R25. Administrative Services, Finance.
R25-2. Finance Adjudicative Proceedings.
R25-2-1. Informal Proceedings.

(1) All matters over which the division has jurisdiction and which are subject to Section 63-46b-4 will be informal in nature for purposes of adjudication. The division director or his designee will preside over any proceeding.

(2) Procedures Governing Informal Adjudicatory Proceedings.

(a) No response need be filed to the notice of division action or request for division action.

(b) The division shall hold a hearing only if a hearing is required by statute, or is permitted by statute and a request for hearing is made within ten days after receipt of the notice of division action or request for division action.

(c) Only the parties named in the notice of division action or request for division action will be permitted to testify, present evidence, and comment on the issues.

(d) A hearing will be held only after timely notice of the hearing has been given.

(e) No discovery, either compulsory or voluntary will be permitted except that all parties to the action shall have access to information contained in the division's files and investigatory information and materials not restricted by law.

(f) No person, as defined in the Utah Administrative Procedures Act, Subsection 63-46b-2(1)(g), may intervene in a division action unless federal statute or rule requires the division to permit intervention.

(g) Any hearing held under this rule is open to all parties.

(h) Within thirty days after the close of any hearing held under this rule, or after the failure of a party to request a hearing, the division director shall issue a written decision stating the decision, the reasons for the decision, notice of right of judicial review, and the time limits for filing an appeal to the appropriate district court.

(i) The division director's decision shall be based on the facts in the division file and if a hearing is held, the facts based on evidence presented at the hearing.

(j) The division shall notify the parties of the division order by promptly mailing a copy thereof to each at the address indicated in the file.

(k) Whether a hearing is held or not, an order issued under the provisions of this rule shall be the final order of the division and may be appealed to the appropriate district court.

(3) Appeals regarding administrative offsets must be made in writing and within 30 days of the date of receipt of a letter of notification of an administrative offset and directed to the Division of Finance, 2110 State Office Building, Salt Lake City, Utah 84114.

(4) All other appeals must be made in writing and directed to the Division of Finance, 2110 State Office Building, Salt Lake City, Utah 84114.

KEY: government hearings, finance
1992 63-46b
Notice of Continuation October 17, 2001

R58. Agriculture and Food, Animal Industry.
R58-2. Diseases, Inspections and Quarantines.
R58-2-1. Authority.

Promulgated Under the Authority of Sections 4-31-15 and 4-31-17 and Subsection 4-2-2(1)(c)(ii).

R58-2-2. Reportable and Quarantinable Animal Diseases.

A. Reporting of Diseases. It shall be the responsibility of veterinary diagnostic laboratories, veterinary practitioners, livestock inspectors, and livestock owners to report immediately by phone or written statement to the Department of Agriculture and Food any of the diseases listed on the Utah Department of Agriculture and Food Reportable Disease list, available at the Utah Department of Agriculture and Food, Division of Animal Health, PO Box 146500, 350 North Redwood Road, Salt Lake City, UT 84114-6500.

1. All swine moving within the State of Utah shall be identifiable to determine the farm of origin as per 9 CFR,1,71.19, January 1, 1997, edition which is hereby adopted and is incorporated by reference within this rule.

B. Quarantines. The Department of Agriculture and Food or its agent may issue quarantines on:

1. Any animal infected with diseases listed on the reportable disease list or any infectious or dangerous entity which is determined to be a threat to other animals or humans.

2. Any animal which it believes may jeopardize the health of other animals, or humans.

3. Any area within the State of Utah to prevent the spread of infectious or contagious diseases.

a. Quarantines shall be deemed issued to owners or caretakers of animals affected with or exposed to infectious, contagious, or communicable diseases by serving an official notice of quarantine to the owner or caretaker in person, by phone, by public meetings, or by registered mail to his last known address.

b. On and after the effective date of quarantine no animals shall be moved or allowed to be moved from or onto the quarantined premises without the owner or caretaker of the quarantined livestock having first obtained a written permit from the Utah Department of Agriculture and Food or its authorized agent to move the animals.

c. Quarantines shall be released upon compliance with Section 4-31-17; as well as with 9 CFR 1.1.b, January 1, 1997, edition; and the Utah Health Code Sections 26-6, 19-4 and 19-5.

KEY: quarantines

August 15, 1997	**4-31-15**
Notice of Continuation October 30, 2001	**4-31-17**
	4-2-2(1)(c)(ii)

R58. Agriculture and Food, Animal Industry.
R58-4. Use of Animal Drugs and Biologicals in the State of Utah.
R58-4-1. Authority.

Promulgated under authority of Section 4-5-17 and 9 CFR 101, 102 and 103, January 3, 1997 edition.

R58-4-2. Manufacturing, Induction Specifications.

A. No person, firm, corporation, or other company shall manufacture in this state or transport or introduce into the state, in any manner, any virus or bacterial product carrying infective agents of infectious, contagious, or communicable diseases of domestic animals or poultry without first being licensed by Biologics Division of United States Department of Agriculture and Food-Animal Plant Health Inspection Service (USDA-APHIS) and obtaining a written permit from the Commissioner of Agriculture and Food.

R58-4-3. Registration Requirements.

Veterinary practitioners, or other persons, firms, corporations, or manufacturers, except those licensed within the State of Utah, engaged in the distribution or manufacture of animal biologics, including diagnostic tests, carrying infective agents, or inactivated agents, for the prevention, treatment or control of contagious, infectious or communicable disease of livestock shall register their names and receive written authority from the Commissioner of Agriculture and Food.

KEY: disease control
August 15, 1997 4-5-2
Notice of Continuation November 1, 2001 4-5-17

R58. Agriculture and Food, Animal Industry.
R58-14. Holding Live Raccoons or Coyotes in Captivity.
R58-14-1. Authority.

A. Promulgated under authority of Subsection 4-2-2(1)(j) and Section 4-23-11.

B. Scope: It is the intent of this rule to protect the health and safety of individuals by prohibiting the holding of a raccoon or coyote in captivity except as provided by this rule.

R58-14-2. Definitions.

For the purpose of this rule the following definitions apply:

A. Division means the Division of Wildlife Resources.

B. Person means an individual, association, partnership, government agency, or corporation, or any agent of the foregoing.

C. Possession means actual and constructive possession.

D. Raccoon means a depredating animal.

E. Coyote means a predatory animal.

F. Animal means raccoon or coyote.

G. Captivity means possession.

H. Unpermitted animal means a raccoon or coyote possessed by a person without a valid permit issued by the Department of Agriculture and Food for each individual animal.

R58-14-3. General.

The Division of Wildlife Resources, with the cooperation of the Department of Agriculture and Food and the Department of Health shall enforce this rule.

A. The Agricultural and Wildlife Damage Prevention Board, by authority granted under 4-23, declares it unlawful to import, distribute, relocate or possess live raccoons or coyotes except as provided by this rule.

B. Upon filing an application for registration with the Department of Agriculture and Food, upon forms provided by the department, a permit may be issued by the department authorizing the applicant to hold in live captivity raccoons or coyotes for research, educational, zoos, circuses, or other purposes authorized by the Department of Agriculture and Food.

C. A separate permit must be obtained from the department for each individual raccoon and coyote possessed, and the permit is valid only for the individual raccoon or coyote for which the permit was originally issued.

D. A person issued a permit to possess a live raccoon or coyote may not lend, sell, lease, assign, give, or otherwise transfer the permit, or any rights granted by the permit, to an other person.

E. A person may not use or attempt to use the permit of an other person.

F. Nuisance raccoons and coyotes may not be relocated following capture, but may be captured and euthanized or otherwise destroyed on location where capture is unfeasible.

G. Unpermitted animals may be seized immediately by the Division of Wildlife Resources, the Department of Health, the Department of Agriculture and Food, animal control officers, or peace officers where the person possessing the animal cannot produce, for each raccoon or coyote a valid permit issued for that particular animal.

(1) At the time the citation is issued, the aggrieved party may sign and indicate on the citation intent to seek administrative review. Within fourteen days aggrieved party must make a written request to the Department of Agriculture and Food, pursuant to 4-1-3.5, to schedule an informal adjudicative proceeding to review the seizure of any unpermitted animal.

(2) Unpermitted animals seized by the Division of Wildlife Resources, the Department of Health, the Department of Agriculture and Food, an animal control officer, or a peace officer may be held and boarded by the state where the possessor verifies in writing at the time of seizure his or her intention to seek administrative review of the seizure under R58-14-3 G(1), and further agrees to compensate the state for all reasonable costs associated with boarding the subject animal during the pendency of the review process. In instances where the final adjudicative order finds possession of the subject animal lawful under these rules, all boarding expenses paid to the state under this section will be refunded.

(3) Unpermitted animals seized by the Division of Wildlife Resources, the Department of Health, or the Department of Agriculture and Food may be euthanized if the possessor does not verify at the time of seizure his or her intention to seek administrative reviews of the seizure under R58-14-3(1), or refuses to reimburse the state for the costs associated with boarding the animal.

(4) Unpermitted animals held or boarded by the state pursuant to R58-14-3 G(2) may be euthanized where the party fails to timely file a request provided under 4-1-3.5, or where remedies have been exhausted and the final order finds possession of the animal in violation of statute or this rule.

H. Any raccoon or coyote that bites or scratches a person or domestic animal shall be handled in accordance with R386-702-5.

R58-14-4. Penalty.

Any violation of this rule is a Class B Misdemeanor.

KEY: administrative procedure, enforcement
July 18, 2000 4-2-2(1)(j)
Notice of Continuation October 24, 2001 4-23-11

R65. Agriculture and Food, Marketing and Conservation.
R65-7. Horse Racing.
R65-7-1. Authority.

Promulgated under authority of Section 4-38-4.

R65-7-2. Definitions.

The following definitions shall apply in these rules unless otherwise indicated.

1. "Act" means the Utah Horse Regulation Act.

2. "Added money" means all monies added to the fees paid by the horsemen into the purse for a race.

3. "Age" of a horse is reckoned as beginning on the first day of January in the year in which the horse is foaled.

4. "Also Eligible" pertains to (a) a number of eligible horses, properly entered, which were not drawn for inclusion in a race, but which become eligible according to preference or lot if an entry is scratched prior to scratch time deadline; (b) the next preferred nonqualifier for the finals or consolation from a set of elimination trials which will become eligible in the event a finalist is scratched by the stewards for a rule violation or is otherwise eligible if written race conditions permit.

5. "Arrears" means money past due for entrance fees, jockey fees, or nomination or supplemental fees in nomination races, and therefore in default incidental to these Rules or the conditions of a race.

6. "Authorized Agent" means a person appointed by a written instrument, signed and acknowledged before a notary public by the owner in whose behalf the Agent will act. Said instrument must be on file with the Commission and its authorized representatives.

7. "Bleeder" means a horse which during or following exercise or the race is observed to be shedding blood from one or both nostrils, or the mouth, or hemorrhaging in the lumen of the respiratory tract.

8. "Breeder" of a horse is the owner or lessee of its dam at the time of breeding.

9. "Closing" means the time published by the organization after which nominations or entries will not be accepted for a race.

10. "Commission" means the Utah Horse Racing Commission.

11. "Commissioner" means a member of the Commission.

12. "Conditions of a race" are the qualifications which determine a horse's eligibility to enter.

13. "Day" is a period of 24 hours beginning at midnight.

14. "Race day" is a day during which horse races are conducted.

15. "Declaration" means the act of withdrawing an entered horse from a race before the closing of overnight entries.

16. "Drug (Medication)" means a substance foreign to the normal physiology of the horse.

17. "Enclosure" means all areas of the property of an organization licensee to which admission can be obtained only by payment of an admission fee or upon presentation of proper credentials and all parking areas designed to serve the facility which are owned or leased by the organization licensee.

18. "Entry" means a horse made eligible to run in a race.

19. "Family" means a husband, wife and any dependent children.

20. "Field" means all horses competing in a race.

21. "Financial Interest" means an interest that could result in directly or indirectly receiving a pecuniary gain or sustaining a pecuniary loss as a result of ownership or interest in a business entity, or as a result of salary, gratuity, or other compensation or remuneration from any person.

22. "Foreign Substances" are all substances, except those which exist naturally in the untreated horse at normal physiological concentration, and shall include but not be limited to all narcotics, stimulants, or depressants.

23. "Foul" means an action by any horse or jockey that hinders or interferes with another horse or jockey during the running of a race.

24. "Horse" means an equine of any breed and includes a stallion, gelding, mare, colt, filly, spayed mare or ridgeling.

25. "Horse Racing" means any type of horse racing, including Arabian, Appaloosa, Paint, Pinto, Quarter Horse, and Thoroughbred horse racing.

26. Horse Racing Types:

A. "Appaloosa Horse Racing" means the form of horse racing in which each participating horse is an Appaloosa horse registered with the Appaloosa Horse Club or any successor organization and mounted by a jockey.

B. "Arabian Horse Racing" means the form of horse racing in which each participating horse is an Arabian horse registered with the Arabian Horse Club Registry of America and approved by the Arabian Horse Racing Association of America or any successor organization, mounted by a jockey, and engaged in races on the flat over a distance of not less than one-quarter mile or more than four miles.

C. "Paint Horse Racing" means the form of horse racing in which each participating horse is a Paint horse registered with the American Paint Horse Association or any successor organization and mounted by a jockey.

D. "Pinto Horse Racing" means the form of horse racing in which each participating horse is a Pinto horse registered with the Pinto Horse Association of America, Inc., or any successor organization and mounted by a jockey.

E. "Quarter Horse Racing" means the form of horse racing where each participating horse is a Quarter Horse registered with the American Quarter Horse Association or any successor organization, mounted by a jockey, and engaged in a race over a distance of less than one-half mile.

F. "Thoroughbred Horse Racing" means the form of horse racing in which each participating horse is a Thoroughbred horse registered with the Jockey Club or any successor organization, mounted by a Jockey, and engaged in races on the flat.

27. "Inquiry" means the stewards immediate investigation into the running of a race which may result in the disqualification of one or more horses.

28. "Jockey" means the rider licensed to race.

29. "Jockey Agent" means a licensed authorized representative of a jockey.

30. "Lessee" means a licensed owner whose interest in a horse is by virtue of a completed Commission-approved lease form attached to the registration certificate and on file with the Commission.

31. "Lessor" means the owner of the horse that is leased.

32. "Maiden" means a horse that has never won a race recognized by the official race records of the particular horse's breed registry. A maiden which has been disqualified after finishing first is still a maiden.

33. "Minor" means any individual under 18 years of age.

34. "Nominator" means the person who nominated the horse as a possible contender in a race.

35. "Objection" means:

A. A written complaint made to the Stewards concerning a horse entered in a race and filed not later than two hours prior to the scheduled post time for the first race on the day which the questioned horse is entered;

B. A verbal claim of foul in a race lodged by the horse's jockey, trainer, owner, or the owners licensed Authorized Agent before the race is declared official.

36. "Occupation License" means a requirement for any person acting in any capacity within the enclosure during the race meeting.

37. "Occupation Licensee" means a person who has obtained an occupation license.

38. "Utah Bred Horse" means a horse that is sired by a stallion standing in Utah.

39. "Organization License" means a requirement of any person desiring to conduct a race meeting within the state of Utah.

40. "Organization Licensee" means any person receiving an organization license. Owner is any person who holds, in whole or in part, any rights title or interest in a horse, or any lessee of a horse who has been duly issued a currently valid owner's license as a person responsible for such horse.

41. "Person" means any individual, corporation, partnership, syndicate, another association or entity.

42. "Post Position" means the position in the starting gate assigned to the horse for the race.

43. "Post Time" means the advertised time for the arrival of the horses at the start of the race.

44. "Protest" means a written complaint, signed by the protester, against any horse which has started in a race and shall be made to the Stewards within 48 hours after the running of the race, except as noted in Subsection R65-7-10(8).

45. "Race Meeting" means the entire period of time not to exceed 20 calendar days separating any race days for which an organization license has been granted to a person by the Commission to hold horse racing.

46. "Allowance" means a race in which eligibility and/or the weight to be carried are based upon the horse's past performance over a specified time.

47. "Handicap" means a race in which the weights to be carried by the entered horses are assigned according to the Racing Secretary's evaluation of each horse's potential for the purpose of equalizing their respective chances of winning.

48. "Invitational" means a race in which the competing horses are selected by inviting their owners to enter specific horses.

49. "Match" means a race contest between two horses with prior consent by the Commission under conditions agreed to by the owners.

50. "Nomination" means a race in which the subscription to a payment schedule nominates and sustains the eligibility of a particular horse. Nominations must close at least 72 hours before the first post time of the day the race is originally scheduled to be run.

51. "Progeny" means a race restricted to the offspring of a specific stallion or stallions.

52. "Purse Race (Overnight)" means any race in which entries close less than 72 hours prior to its running.

53. "Schooling Race" means a preparatory race for entry qualification in official races which conform to requirements adopted by the Commission.

54. "Stakes" means a race which is eligible for stakes or "black-type" recognition by the particular breed registry.

55. "Trials" means a set of races in which eligible horses compete to determine the finalists for a purse in a nominated race.

56. "Restricted Area" means any area within the enclosure where access is limited to licensees whose occupation requires access. Those areas which are restricted shall include but not be limited to, the barn area, paddock, test barn, Stewards Tower, race course, or any other area designated restricted by the organization licensee and/or the Commission. Signs giving notice of restricted access shall be prominently displayed at all entry points.

57. "Rules" means the rules herein prescribed and any amendments or additions.

58. "Scratch" means the act of withdrawing an entered horse from a race after the closing of overnight entries.

59. "Scratch Time" means the deadline set by the organization licensee for the withdrawing of entered horses.

60. "Starter" means the horse whose stall door of the starting gate opens in front of such horse at the time the starter (the Official) dispatches the horses.

61. "Subscription" means the act of nominating a horse to a nomination race.

62. "Week" means a period of seven days beginning at 12:01 a.m., Monday during which races are conducted.

R65-7-3. Commission Powers and Jurisdiction.

1. Description and Powers. The Utah Horse Racing Commission is an administrative body created by Section 4-38-3. The Commission consists of five members which are appointed by the governor, confirmed by the senate, and whose powers and duties are prescribed by the legislature. The Commission appoints an executive director who is the administrative head of the agency, and the Commission determines the duties of the executive director. The Commission shall have supervision of all race meetings held in the State of Utah, and all occupation and organization licensees in the State and all persons on the property of an organization licensee.

2. Jurisdiction. Without limitations by specific mention hereof, the stated purposes of the Rules and Regulations hereby promulgated are as follows:

A. To encourage agriculture and breeding of horses in this State; and

B. To maintain race meetings held in the State of the highest quality and free of any horse racing practices which are corrupt, incompetent, dishonest or unprincipled; and

C. To maintain the appearance as well as the fact of

complete honesty and integrity of horse racing in this State; and

D. To generate public revenues.

3. Controlling Authority. The law, the rules, and the orders of the Commission supersede the conditions of a race meeting and govern Thoroughbred, Quarter Horse, Appaloosa, Arabian, Paint and Pinto racing, except in the event it can have no application to a specific type of racing. In the latter case, the Stewards may enforce rules or conditions of The Jockey Club for Thoroughbred racing, the American Quarter Horse Association for Quarter Horse racing; the Appaloosa Horse Club for Appaloosa racing; the Arabian Horse Racing Association of America for Arabian racing; the American Paint Horse Association for Paint racing; and the Pinto Horse Association of America, Inc., for Pinto racing; if such rules or conditions are not inconsistent with the Laws of the State of Utah and the Rules of the Commission.

4. Punishment By The Commission. Violation of the Act and rules promulgated by the Commission, whether or not a penalty is fixed therein, is punishable in the discretion of the Commission by denial, revocation or suspension of any license; by fine; by exclusion from all racing enclosures under the jurisdiction of the Commission; or by any combination of these penalties. Fines imposed by the Commission shall not exceed $10,000 against individuals for each violation, any Rules or regulations promulgated by the Commission, or any Order of the Commission; or for any other action which, in the discretion of the Commission, is a detriment or impediment to horse racing, according to Subsection 4-38-9(2).

5. Extension For Compliance. If a licensee fails to perform an act or obtain required action from the Commission within the time prescribed therefore by these Rules, the Commission, at some subsequent time, may allow the performance of such act or may take the necessary action with the same effect as if the same were performed within the prescribed time.

6. Notice To Licensee. Whenever notice is required to be given by the Commission or the Stewards, such notice shall be given in writing by personal delivery to the person to be notified or by mailing, Certified Mail, Return Receipt Requested, such notice to the last known address furnished to the Commission; or may be given as is provided for service of process in a civil proceeding in the State of Utah and pursuant to the Administrative Procedures Act.

7. Location For Information Or Filing With Commission. When information is requested or a notice in any matter is required to be filed with the Commission, such notice shall be delivered to an authorized representative of the Commission at an office of the Commission on or before the filing deadline. Offices of the Commission are currently located at: State of Utah, Department of Agriculture and Food, 350 North Redwood Road, Salt Lake City, UT 84116.

8. Public Inspection Of Documents. All forms adopted by the Commission together with all Rules and other written statements of policy or interpretation; and all final orders, decisions, and opinions, formulated, adopted or used by the Commission in the discharge of its functions are available for public inspection at the above office.

9. Forms And Instruction. The following forms and instructions for their use have been adopted by the Commission:

Apprentice Jockey Certificate
Authorized Agent Agreement
Fingerprint Card
Identifier's Daily Report
Lease Agreement
Occupation Licensee Application(s)
Occupation License Renewal Application(s)
Open Claim Certificate
Organization's Daily Report
Organization Licensee Application
Petition for Declaratory Ruling
Petition for Promulgation, Amendment or Repeal of Rule
Petition in and before the Utah Horse Commission
Postmortem Examination Report
Stable Name, Corporation, Partnership or Syndicate Registration Form
Stewards' Daily Report
Stewards' Hearing Notice
Stewards' Hearing Reports
Subpoena (Steward and Commission)
Test Barn Diuretic Approval Form

10. Forms for substituting petitions for promulgating or repealing of rules, and for requests for declaratory ruling are available at the Utah State Department of Agriculture and Food.

R65-7-4. Racing Organization.

1. Allocation Of Racing Dates. The Commission shall allocate racing dates for the conduct of horse race meetings within this State for such time periods and at such racing locations as the Commission determines will best serve the interests of the people of the State of Utah in accordance with the Utah Horse Act. Upon a finding by the Commission that the allocation of racing dates for any year is completed, the racing dates so allocated shall be subject to reconsideration or amendment only for conditions unforeseen at the time of allocation.

2. Application For License And Days To Conduct A Horse Race Meeting. Every person who intends to conduct a horse race meeting shall file such application with the Commission no later than August 1 of the preceding calendar year. Any prospective applicant for license and days to conduct a horse race meeting failing to timely file the application for license may be disqualified and its application for license refused summarily by the Commission.

3. Commission May Demand Information. The Commission may require any racing organization or prospective racing organization to furnish the Commission with a detailed proposal and disclosures as to its proposed racing program, purse, program, financial projections, racing officials, principals or shareholders, plants, premises, facility, finances, lease arrangements, agreements, contracts, and such other information as the Commission may require to determine the eligibility and qualification of the organization to conduct a race meeting; all in addition to that required in the application form set forth in Subsection R65-7-4(4) and as required by Section 4-38-4.

4. Application For Organization License. Any person desiring to conduct a horse race meeting where the public is charged an admission fee shall apply to the Commission for an organization license. The application shall be made on a form

prescribed and furnished by the Commission. The application shall contain the following information:

A. The dates on which and location where the applicant intends to conduct the race meeting.

B. The name and mailing address of the person making the application.

1. If the applicant is a corporation, a certified copy of the Articles of Incorporation and Bylaws; the names and mailing addresses of all stockholders who own at least 3% of the total stock issued by the corporation, officers, and directors; and the number of shares of stock owned by each.

2. If the applicant is a partnership, a copy of the partnership agreement, and the names and mailing addresses of all general and limited partners with a statement of their respective interest in the partnership.

C. Description of photographic equipment, video equipment, and copies of any proposed lease or purchase contract or service agreement in connection therewith.

D. Copies of any agreements with concessionaires or lessees, together with schedules of rates charged for performance of any service or for sale of any article within the enclosure, whether directly or through the concessionaire.

E. Schedule of admission price(s) to be charged.

F. Applicants must submit balance sheets and profit and loss statements for each of the three fiscal years immediately preceding the application, or for the period of organization if less than three years. If the applicant has not completed a full fiscal year since its organization, or if it acquires or is to acquire the majority of its assets from a predecessor within the current fiscal year, the financial information shall be given for the current fiscal year. All financial information shall be accompanied by an unqualified opinion of a Certified Public Accountant; or if the opinion is given with qualifications, the reasons for the qualifications must be stated.

G. A schedule of stall rent, entry fees, or any other charges to be made to the horsemen or public not mentioned above.

H. Any other information the Commission may require. For applicants requesting to conduct non pari-mutuel racing, the licensee fee shall not be less than $25.00.

A separate application upon a form prescribed and furnished by the Commission shall be filed for each race meeting which such person proposes to conduct. The application, if made by a person, shall be signed and verified under oath by the person; and if made by more than one person or by a partnership, shall be signed and verified under oath by at least two of the persons or members of the partnership; and if made by an association, a corporation, or any other entity, shall be signed by the President, attested to by the Secretary under the seal of such association or corporation, if it has a seal, and verified under oath by one of the signing officers.

No person shall own any silent or undisclosed interest in any entity requesting an organization license. No organization license shall be issued to any applicant that fails to comply with provisions of this Rule. No incomplete license application shall be considered by the Commission.

I. In considering the granting or denying of all organization's application for a license to conduct horse racing with the non pari-mutuel system of wagering, the following criteria, standards, and guides should be considered by the Commission:

1. Public Interest
a. Safety
b. Morals
c. Security
d. Municipal Comments
e. Revenues: State and Local
2. Track Location
a. Traffic Flow
b. Support Services (i.e., hotels, restaurants, etc.)
c. Labor Supply
d. Public Services (i.e., police, fire, etc.)
e. Proximity to Competition
3. Number of Tracks Running or Making Application
a. Size
b. Type of Racing
c. Days
4. Adequacy of Track Facilities
5. Experience in Racing of Applicant and Management
a. Length
b. Type
c. Success/Failure
6. Financial Qualifications of Applicant, Applicant's Partners, Officers, Associates, and Shareholders (To Include Contract Services)
a. Financial History
(1) Records
(2) Net Worth
7. Qualifications of Applicant, Applicant's Partners, Officers, Associates, and Shareholders (To Include Contract Services)
(1) Arrest Record
(2) Conviction Record
(3) Litigation Record (Civil/Criminal)
(4) Law Enforcement Intelligence
8. Official Attitude of Local Government Involved
9. Anticipated Effect Upon Breeding and Horse Industry in Utah
10. Effect on Saturation of Non pari-Mutuel Market
11. Anticipated Effect upon State's Economy
a. General Economy
(1) Tourism
(2) Employment
(3) Support Industries
b. Government Revenue
(1) Tax (Direct/Indirect)
(2) Income (Direct/Indirect)
12. Attitude of Local Community Involved
13. The Written Attitude of Horse Industry Associations
14. Experience and Credibility of Consultants, Advisors, and Professionals
a. Feasibility
b. Credibility and Integrity of Feasibility Study
15. Financial and Economic Integrity of Financial Plan
(1) Equity
a. Source
b. Amount
c. Position
d. Type

(2) Debt
a. Source
b. Amount
c. Terms
d. Repayment
(3) Equity to Debt Ratio
a. Integrity of Financing Plan
(1) Identity of Participants
(2) Role of Participants
(3) History of Participants
(4) Law Enforcement Intelligence
16. Apparent or Non-Apparent Hope of Financial Success

5. List Of Shareholders. Each organization shall, if a corporation or partnership, maintain a current list of shareholders and the number of shares held by each; and such list shall be available for inspection upon demand by the Commission or its representatives. The organization shall immediately inform the Commission of any change of corporate officers or directors, general or managing partners, or of any change in shareholders; provided, however, that if the organization is a publicly-held entity, it shall disclose the names and addresses of shareholders who own 3% of the outstanding shares of the organization. The organization shall immediately notify the Commission of all stock options, tender offers, and any anticipated stock offerings. The Commission may refuse to issue a license to, or suspend the license of, any organization which fails to disclose the real name of any shareholders.

6. Denial Of License. The Commission may deny a license to conduct a horse racing meeting when in its judgment it determines the proposed meeting is not in the public interest, or fails to serve the purposes of the Utah Horse Act, or fails to meet any requirements of Utah State law or the Commission's rules. The Commission shall refuse to issue a license to any applicant who fails to provide the Commission with evidence of its ability to meet its estimated financial obligations for the conduct of the meeting.

7. Duty Of Licensed Organization. Each organization shall observe and enforce the rules of the Commission. The license is granted on the condition that the organization, its officials, its employees and its concessionaires shall obey all decisions and orders of the Commission. The organization shall not allow any wagering within the enclosure of the racing facility which might be construed as being in violation of the Laws of the State of Utah.

8. Conditions Of A Race Meeting. The organization may impose conditions for its race meeting as it may deem necessary; provided, however, that such conditions may not conflict with any requirements of Utah State Law or the Rules, Regulations and Orders of the Commission. Such conditions shall be published in the Condition Book or otherwise made available to all licensees participating in its race meeting. A copy of the conditions and nomination race book shall be published no later than 45 days prior to the commencement of the race meeting. A proof of such conditions and nomination race book shall be filed with the Commission no later than 45 days prior to printing. The conditions and nomination race book is subject to the approval of the Commission. The organization may impose requirements, qualifications, requisites, and track rules for its race meeting as it may deem necessary; provided such requirements, qualifications, and track rules do not conflict with Utah State Law or the Rules, Regulations, and Orders of the Commission. Such information shall be published in the Condition Book, posted on the organization's bulletin boards, or otherwise made available to all licensees participating at its race meeting.

All requirements, qualifications, requisites or track rules imposed by the organization require prior review and approval by the Commission, which reserves the right of final decision in all matters pertaining to the conditions of a race meeting.

9. Right Of Commission To Information. The organization may be asked to furnish the Commission, on forms approved by the Commission, a daily itemized report of the receipts of attendance, parking, concessions, commissions, and any other requested information. The organization shall also provide a corrected official program, completed race results charts approved by the Commission, and any other information the Commission may require. Such daily reports shall be filed with the Commission within 72 hours of the race day.

10. Duty To Compile Official Program. The organization shall compile an official program for each racing day which shall contain the names of the horses which are to run in each race together with their respective post positions, post time for first race, age, color, sex, breeding, jockey, trainer, owners or stable name, racing colors, weight carried, conditions of the race, the order in which each race shall be run, the distance to be run, the value of each race, a list of Racing Officials and track management personnel, and any other information the Commission may require. The Commission may direct the organization to publish in the program any other information and notices to the public as it deems necessary.

11. Duty To Maintain Racing Records. The organization shall maintain a complete record of all races of all authorized race meetings of the same type of racing being conducted by the organization, and such records shall be maintained and retained for a period of five years. This requirement may be met by race records of Triangle Publications, the American Quarter Horse Association, the Appaloosa Horse Club, the American Paint Horse Association, other breed registry associations' racing records department, or other racing publications approved by the Commission.

12. Horsemen's Bookkeeper. The organization shall employ a Horsemen's Bookkeeper who shall maintain records as the organization and Commission shall direct. The records shall include the name, address, social security or federal identification number, and the state or country of residence of each horse owner, trainer, or jockey participating at the race meeting who has funds due or on deposit in the horseman's account. The Horsemen's Bookkeeper shall keep the riding accounts of the jockeys and shall disburse the received fees to the proper claimants. It shall be the duty of the Horsemen's Bookkeeper to receive and disburse the purses of each race and all stakes, entrance money, jockey fees, and other monies that properly come into his possession, and make disbursements within 48 hours of receipt of notification from the testing laboratory that drug tests have cleared unless an appeal or protest has been filed with the Stewards or the Commission. The Horsemen's Bookkeeper may accept monies due belonging to other organizations or recognized meetings, provided prompt

return is made to the organization to which the money is due; except upon written request, the Horsemen's Bookkeeper shall, within 30 days after the meeting, disburse all monies to the persons entitled to receive the same. The Horsemen's Bookkeeper shall maintain a file of all required statements of partnerships, syndicates, corporations; assignments of interest; lease agreements; and registrations of authorized agents. All records and monies of the Horsemen's Bookkeeper shall be kept separate and apart from any other of the organization and are subject to inspection by the Commission at any time.

13. Accounting Practices And Responsibility. The organization and its managing officers shall ensure that all purse monies, disbursements, and appropriate nomination race monies are available to make timely distribution in accordance with the Act, the Rules and Regulations of the Commission, the organization rules, and race conditions. Copies of all nomination payment race contracts, agreements, and conditions shall be submitted to the Commission and related reporting requirements fulfilled as specified by the Commission. Subject to approval of the Commission, the organization shall maintain on a current basis a bookkeeping and accounting program under the guidance of a Certified Public Accountant. The Commission may require periodic audits to determine that the organization has funds available to meet those distributions for the purposes required by the Act, the Rules and Regulations of the Commission, the conditions and nomination race program of the race meeting, and the obligations incurred in the daily operation of the race meeting. Annually, the organization shall file a copy of all tax returns, a balance sheet, and a profit and loss statement.

14. Electronic Photo Finish Device. All organizations shall install and maintain in good service an electronic photo finish device for photographing the finishes of all races and recording the time of each horse in hundredths of a second, when applicable, to assist the placing judges and the Stewards in determining the finishing positions and time of the horses. Prior to first use, the electronic photo finish device must be approved by the Commission; and a calibration report must be filed with the Commission by January 1 of each year. A photograph of each finish shall be promptly posted for public view in at least one conspicuous place in the public enclosure.

15. Videotape Recording Of Races. All organizations shall install and operate a system to provide a videotape recording of each race so that such recording clearly shows the position and action of the horses and jockeys at close enough range to be easily discernible. A video monitor shall be located in the Stewards' Tower to assist in reviewing the running of the races. Prior to first use, the videotape recording system and location and placement of its equipment must be approved by the Commission. Every race other than a race run solely on a straight course may be recorded by use of at least two cameras to provide panoramic and head-on views of the race. Races run solely on the straight course shall be recorded by the use of at least one camera to provide a head-on view. Except with prior approval of the Commission, all organizations shall maintain an auxiliary videotape recording camera and player in case of breakdown and/or malfunction of a primary videotape recording camera or player.

16. Identification Of Photo Finish Photographs And Videotape Recordings. All photo finish photographs and videotape recordings required by these Rules shall be identified by indicating thereon, the date, number of the race, and the name of the racetrack at which the race is held.

17. Altering Official Photographs Or Recordings. No person shall cut, mutilate, alter or change any photo finish photograph or videotape recording for the purpose of deceit or fraud of any type.

18. Preservation Of Official Photographs And Recordings. All organizations shall preserve all photographic negatives and videotape recordings of all races for at least 180 days after the close of their meeting. Upon request of the Commission, the organization shall furnish the Commission with a clear, positive print of any photograph of any race, or a kinescope print or copy of the videotape recording of any race.

19. Viewing Room Required. The organization shall maintain a viewing room for the purpose of screening the videotape recording of the races for viewing by Racing Officials, jockeys, trainers, owners, and other interested persons authorized by the Stewards.

20. Office Space For The Commission. The organization shall provide within the enclosure adequate office space for use by the Commission and its authorized representatives, and shall provide such necessary office furniture and utilities as may be required for the conduct of the Commission's business and the collection of the public revenues at such organization's meetings.

21. Duty To Receive Complaints. The organization shall maintain a place where written complaints or claims of violations (objections) of racetrack rules, regulations, and conditions; Commission Rules and Regulations; or Utah State Laws may be filed. A copy of any written complaint or claim filed with the organization shall be filed by the organization with the Commission or Commission representatives within 24 hours of receipt of the complaint or claim.

22. Bulletin Boards Required. The organization shall erect and maintain a glass enclosed bulletin board close to the Racing Secretary's Office in a place where access is granted to all licensees, upon which all official notices of the Commission shall be posted. The organization shall also erect and maintain a glass enclosed bulletin board in the grandstand area where access is granted to all race day patrons, upon which all official notices of the Commission shall be posted.

23. Communication Systems Required. The organization shall install and maintain in good service a telephonic communication system between the Stewards' stand, racing office, jockey room, paddock, testing barn, starting gate, video camera locations, and other designated places. The organization shall also install and maintain in good service a public address communication system for the purpose of announcing the racing program, the running of the races, and any public service notices, as well as maintaining communications with the barn area for the purpose of paddock calls and the paging of horsemen.

24. Ambulance Service. Subject to the approval of the Commission, the organization shall provide the services of an approved medical ambulance and its properly qualified attendants at all times during the running of the race program at its meeting and, except with prior permission of the

Commission, during the hours the organization permits the use of its race course for training purposes. The organization shall also provide the service of a horse ambulance during the same hours. A means of communication shall be provided by the organization between a staffed observation point (Stewards' Tower and Clocker's Stand) for the race course and the place where the required ambulances and their attendants are posted for prompt response in the event of accident to any person or horse. In the event an emergency necessitates the departure of a required ambulance, the race course shall be closed until an approved ambulance is again available within the enclosure.

25. Safety Of Race Course And Premises. The organization shall take cognizance of any complaint regarding the safety or uniformity of its race course or premises, and shall maintain in safe condition the race course and all rails and other equipment required for the conduct of its races.

26. Starting Point Markers And Distance Poles. Permanent markers must be located at each starting point to be utilized in the organization's racing program. The starting point markers and distance poles must be of a size and in a position where they can be seen clearly from the stewards' stand. The starting point markers and distance poles shall be marked with the appropriate distance and be the following colors:

TABLE

1/16 poles . . .	black and white horizontal stripes
1/8 poles . . .	green and white horizontal stripes
1/4 poles . . .	red and white horizontal stripes
220 yards . . .	green and white horizontal stripes
250 yards . . .	blue
300 yards . . .	yellow
330 yards . . .	black and white horizontal stripes
350 yards . . .	red
400 yards . . .	black
440 yards . . .	red and white horizontal stripes
550 yards . . .	black and white horizontal stripes
660 yards . . .	green and white horizontal stripes
770 yards . . .	black and white horizontal stripes
870 yards . . .	blue and white horizontal stripes

27. Grade And Distance Survey. A survey by a licensed surveyor of the race course, including all starting chutes, indicating the grade and measurement of distances to be run must be filed with the Commission prior to the first race meeting.

28. Physical Requirements For Non pari-Mutuel Racing Facility. In order for an organization to be granted a license to conduct non pari-mutuel racing, the facility shall meet the following physical requirements:

A. A regulation track shall be a straightaway course of 440 yards in length. The straightaway shall connect with an oval not less than one-half mile in circumference; except that the width may vary according to the number of horses started in a field, but a minimum of twenty feet shall be allowed for the first two horses with an additional five feet for each added starter.

B. The inner and outer rails shall extend the entire length of the straightaway and around the connecting oval; it shall be at least thirty inches and not more than forty-two inches in height. A racetrack not approved by the Commission prior to January 1, 1993, shall otherwise have inner and outer rails of at least thirty-eight inches (38") and not more than forty-two inches in height. It shall be constructed of metal not less than two inches in diameter, wood not less than two inches in thickness and six inches in width, or other construction material approved by the Commission. Whatever construction material is used must provide for the safety of both horse and rider. It must be painted white and maintained at all times.

C. Stabling facilities should be adequate for the number of horses to be on hand for the meet. In no case will a track with less than 200 stalls be acceptable, without Utah Horse Commission approval.

D. Stands for Stewards and Timers shall be located exactly on the finish line and provide a commanding and uninterrupted view of the entire racing strip.

E. The paddock shall be spacious enough to provide adequate safety. The jockey's room shall be in or adjacent to the paddock enclosure and shall be equipped with separate but equal complete sanitation facilities including showers for both male and female riders. This area must be fenced to keep out unauthorized persons and provide maximum security and safety. The fence shall be at least four feet high of chain link, v-mesh or similar construction.

F. A Test Barn with a minimum of two stalls shall be provided for purpose of collecting urine specimens. The Test Barn and a walking ring large enough to accommodate several horses cooling out at the same time shall be completely enclosed by a fence at least eight feet high of chain link, v-mesh or similar construction. There shall be only one entrance into the Test Barn enclosure which shall remain locked or guarded at all times. Provisions shall be made in this area for an office to accommodate the needs of the Official Veterinarian and from which he can observe the stalls and the entrance into the Test Barn enclosure. The organization shall provide facilities for the immediate cooling and freezing of all urine specimens, and shall make provisions for the specimens to be shipped to the laboratory packed in dry ice.

G. A grandstand or bleachers shall be provided for the spectators and shall provide for the comfort and safety of the spectators. Facilities must include rest rooms and a public water supply.

29. Organization As The Insurer Of The Race Meeting. Approval of a race meeting by the Commission does not establish said Commission as the insurer or guarantor of the safety or physical condition of the organization's facilities or purse of any race. The organization does thereby agree to indemnify, save and hold harmless the Utah Horse Commission from any liability, if any, arising from unsafe conditions of track facilities or grandstand and default in payment of purses. The organization shall provide the Commission with a certificate of adequate liability insurance.

R65-7-5. Occupation Licensing and Registration.

1. Occupation Licenses. No person required to be licensed shall participate in a race meeting without their holding a valid license authorizing that participation. Licenses shall be obtained prior to the time such persons engage in their vocations upon such racetrack grounds at any time during the calendar year for which the organization license has been issued.

A. A person whose occupation requires acting in any capacity within any area of an enclosure shall pay the required fee and procure the appropriate license or licenses.

B. A person acting in any of the following capacities shall

pay the required fee and procure the appropriate license or licenses: (A list of all required fees shall be available at the Utah Department of Agriculture and Food.)

1. Owner/Trainer Combination
2. Owner
3. Trainer
4. Assistant Trainer
5. Jockey
6. Veterinarian
7. Jockey Room Attendant
8. Paddock Attendant
9. Pony Rider
10. Concessionaire
11. Valet
12. Groom

C. A person whose license-identification badge is lost or destroyed shall procure a replacement license-identification badge and shall pay the required fee.

D. The date of payment of all required fees as recorded by the Commission shall be the effective date of issuance of a continuous occupation license or registration shall expire on December 31 of the year in which it is issued. A license renewal shall be on an annual basis beginning January 1.

E. All license applicants may be required to provide two complete sets of fingerprints on forms provided by or acceptable to the Commission and pay the required fee for processing the fingerprint cards through State and Federal Law Enforcement Agencies. If the fingerprints are of a quality not acceptable for processing, the licensee may be required to be refingerprinted.

F. All applicants for occupation licenses must be a minimum of 16 years of age. However, this shall not preclude dependent children under the age of 16 from working for their parents or guardian if said parents or guardian are licensed as a trainer or assistant trainer and permission has been obtained from the organization licensee. A trainer or his authorized representative signing a Test Barn Sample Tag must be licensed and a minimum of 18 years of age.

2. Employment Of Unlicensed Person. No organization, owner, trainer or other licensee acting as an employer within the enclosure at an authorized race meeting shall employ or harbor within the enclosure any person required to be licensed by the Commission until such organization, owner, trainer, or other employer determines that such person required to be licensed has been issued a valid license by the Commission. No organization shall permit any owner, trainer, or jockey to own, train, or ride on its premises during a recognized race meeting unless such owner, trainer, or jockey has received a license to do so from the Commission. The organization or prospective employer may demand for inspection the license of any person participating or attempting to participate at its meeting, and the organization may demand for inspection the documents relating to any horse on its grounds.

3. Notice Of Termination. Any organization, owner, trainer, or other licensee acting as an employer within the enclosure at an authorized race meeting shall be responsible for the immediate notification to the Commission and the organization conducting the race meeting of a termination of employment of a licensee. The employer shall make every effort to obtain the license badge from the employee and deliver the license badge to the Commission.

4. Application For License. An applicant for license shall apply in writing on the application forms furnished by the Commission.

5. License Identification Badge Requirements. The license identification badge may consist of the following information concerning the licensee:

A. Full Name
B. Permanent Address
C. License Capacity
D. Date of Issue
E. Passport-Type Color Photograph
F. Social Security Number
G. Date of Birth

All license identification badges may be color coded as to capacity of occupation and eligibility for access to restricted areas. All license holders, except jockeys riding in a race, must wear a current identification badge while present in restricted areas of the enclosure or as otherwise specified in Subsection R65-7-5(1).

6. Honoring Official Credentials. Credentials issued by the Commission may be honored for admission at all gates and entrances and to all places within the enclosure. Automobiles with vehicle decals issued by the Commission to its members and employees shall be permitted ingress and egress at any point. Credentials issued by the National Association of State Racing Commissioners to its members, past members, and staff shall be honored by the organization for admission into the public enclosure when presented therefore by such persons.

7. License Subject To Conditions And Agreements.

A. Every license is subject to the conditions and agreements contained in the application therefore and to the Statutes and Rules.

B. Every license issued to a licensee by the Commission remains the property of the Commission.

C. Possession of a license does not, as such, confer any right upon the holder thereof to employment at or participation in a race.

D. The Commission may restrict, limit, place conditions on, or endorse for additional occupational classes, any license, R65-7-5(9).

8. Changes In Application Information. Each licensee or applicant for license shall file with the Commission his permanent and his current mailing address and shall report in writing to the Commission any and all changes in application information.

9. Grounds For Denial, Refusal, Suspension Or Revocation Of License. The Commission, in addition to any other valid ground or reason, may deny, refuse to issue, suspend or revoke an occupation license for any person:

A. Who has been convicted of a felony of this State, any other state, or the United States of America; or

B. Who has been convicted of violating any law regarding gambling or controlled dangerous substance of this State, any other state, or of the United States of America; or

C. Who is unqualified to perform the duties required of the applicant; or

D. Who fails to disclose or states falsely any information required in the application; or

E. Who has been found guilty of a violation of any provision of the Utah Horse Act or of the Rules and Regulations of the Commission; or

F. Whose license for any racing occupation or activity requiring a license has been or is currently suspended, revoked, refused or denied for just cause in any other competent racing jurisdiction; or

G. Who has been or is currently excluded from any racing enclosure by a competent racing jurisdiction.

10. Examinations. The Commission may require the applicant for any license to demonstrate his knowledge, qualifications, and proficiency for the license applied for by such examination as the Commission may direct.

11. Refusal Without Prejudice. A refusal to issue a license (as distinguished from a denial of a license) to an applicant by the Commission at any race meeting is without prejudice; and the applicant so refused may reapply for a license at any subsequent or other race meeting, or he may appeal such refusal to the Commission for hearing upon his qualifications and fitness for the license.

12. Hearing After Denial Of License. Any person who has had his license denied may petition the Commission to reopen the case and reconsider its decision upon a sufficient showing that there is now available evidence which could not, with the exercise of reasonable diligence, have been previously presented to the Commission. Any such petition must be filed with the Commission no later than 30 days after the effective date of the Commission's decision in the matter. Any person who has been denied a license by the Commission may not refile a similar application for license until one year from the effective date of the decision to deny the license.

13. Financial Responsibility Of Applicants. Applicants for license as horse owner or trainer must submit satisfactory evidence of their financial ability to care for and maintain the horses owned and/or trained by them when such evidence is requested by the Commission.

14. Physical Examination. The Commission or the Stewards may require that any jockey be examined at any time, and the Commission or the Stewards may refuse to allow any jockey to ride until he has successfully passed such examination.

15. Qualifications For Jockey. No person under 16 years of age shall be granted a jockey's license. A person who has never ridden in a race at a recognized meeting shall not be granted a license as jockey unless he has satisfactorily worked a horse from the starting gate in company, before the Stewards or their representatives. Upon the recommendation of the Stewards, the Commission may issue a jockey's license granting permission to such person for the purpose of riding in not more than four races to establish the qualifications and ability of such person for the license. Subsequently, the Stewards may recommend the granting of a jockey's license.

16. Jockey Agent. A jockey agent is the authorized representative of a jockey if he is registered with the Stewards and licensed by the Commission as the Jockey's representative. No jockey agent shall represent more than two jockeys at the same time.

17. Workers' Compensation Act Compliance. No person may be licensed as a trainer, owner, or in any other capacity in which such person acts as the employer of any other licensee at any authorized race meeting, unless his liability for Workers' Compensation has been secured in accordance with the Workers' Compensation Act of the State of Utah and until evidence of such security for liability is provided the Commission. Should any such required security for liability for Workers' Compensation be canceled or terminated, any license held by such person shall be automatically suspended and shall be grounds for revocation of the license. If a license applicant certifies that he has no employees that would subject him to liability for Workers' Compensation, he may be licensed, but only for the period he has no employees.

18. Program Trainer Prohibited. No licensed trainer, for the purpose of avoiding his responsibilities or insurance requirements as set forth in these Rules, shall place any horse in the care or attendance of any other trainer.

19. Qualifications For License As Horse Owner. No person may be licensed as a horse owner who is not the owner of record of a properly registered race horse which he intends to race in Utah and which is in the care of a licensed trainer, or who does not have an interest in such race horse as a part owner or lessee, or who is not the responsible managing owner of a corporation, syndicate or partnership which is the legal owner of such horse.

20. Horse Ownership By Lease. Horses may be raced under lease provided a completed Utah Horse Commission, breed registry, approved pari-mutuel or other lease form acceptable to the Commission, is attached to the Registration Certificate and on file with the Commission. The lessor(s) and lessee must be licensed as horse owners. No lessor shall execute a lease for the purpose of avoiding insurance requirements.

21. Statements Of Corporation, Partnership, Syndicate Or Other Association Or Entity. All organizational documents of a corporation, partnership, syndicate or other association or entity, and the relative proportion of ownership interest, the terms of sales with contingencies, arrangements, or leases, shall be filed with the Horsemen's Bookkeeper of the organization and with the Commission. The above-said documents shall declare to whom winnings are payable, in whose names the horses shall be run, and the name of the licensed person who assumes all responsibilities as the owner. The part owner of any horse shall not assign his share or any part of it without the written consent of the other partners, and such consent shall be filed with the Horsemen's Bookkeeper and the Commission. A person or persons conducting racing operations as a corporation, partnership, syndicate or other association or entity shall register the information required by Rules in this Article and pay the required fee(s) for the appropriate entity.

22. Stable Name Registration. A person or persons electing to conduct racing operations by use of a stable name shall register the stable name and shall pay the required fee.

A. The applicant must disclose the identity or identities of all persons comprising the stable name.

B. Changes in identities must be reported immediately to and approval obtained from the Commission.

C. No person shall register more than one stable name at the same time nor use his real name for racing purposes so long as he has a registered stable name.

D. Any person who has registered under a stable name

may cancel the stable name after he has given written notice to the Commission.

E. A stable name may be changed by registering a new stable name and by paying the required Fee.

F. No person shall register a stable name which has been registered by any other person with any organization conducting a recognized race meeting.

G. A stable name shall be clearly distinguishable from that of another registered stable name.

H. The stable name, and the name of the owner or managing owner, shall be published in the official program. If the stable name consists of more than one person, the official program will list the name of the managing owner along with the phrase "et al."

I. If a partnership, corporation, syndicate, or other association or entity is involved in the identity comprising a stable name, the rules covering a partnership, corporation, syndicate or other association or entity must be complied with and the usual fees paid therefore in addition to the fees for the registration of a stable name.

23. Ownership Licensing Required. The ownership licensing procedures required by the Commission must be completed prior to the horse starting in a race and shall include all registrations, statements and payment of fees.

24. Knowledge Of Rules. Every licensee, in order to maintain their qualifications for any license held by them, shall be familiar with and knowledgeable of the rules, including all amendments. Every licensee is presumed to know the rules.

25. Certain Prohibited Licenses. Commission-licensed jockeys, veterinarians, organizations' security personnel, vendors, and such other licensees designated by the stewards with approval of the Commission, shall not hold any other license. The Commission may refuse to issue a license to a person whose spouse holds a license and which, in the opinion of the Commission, would create a conflict of interest.

R65-7-6. Racing Officials and Commission Racing Personnel.

1. Racing Officials. The racing officials of a race meeting, unless otherwise ordered by the Commission, are as follows: the stewards, the associate judges, the placing judges, the paddock judge, the patrol judges, the starter, the identifier/tattooer, and the racing secretary. No racing official may serve in that capacity during any race meeting at which is entered a horse owned by them or by a member of their family or in which they have any financial interest. Being the lessee or lessor of a horse shall be construed as having a financial interest.

2. Responsibility To The Commission. The racing officials shall be strictly responsible to the Commission for the performance of their respective duties, and they shall promptly report to the Commission or its stewards any violation of the rules of the Commission coming to their attention or of which they have knowledge. Any racing official who fails to exercise due diligence in the performance of his duties shall be relieved of his duties by the stewards and the matter referred to the Commission.

3. Racing Officials Subject To Approval. Every racing official is subject to prior approval by the Commission before being eligible to act as a racing official at the meeting. At the time of making application for an organization license, the organization shall nominate the racing officials other than the racing officials appointed by the Commission; and after issuance of license to the organization, there shall be no substitution of any racing official except with approval of the stewards or the Commission.

4. Racing Officials Appointed By The Commission. The Commission shall appoint the following racing officials for a race meeting: The board of three stewards and the identifier/tattooer. The Commission may appoint from the approved stewards list one steward to serve as state steward.

5. Racing Personnel Employed By The Commission. The Commission shall employ the services of the licensing person for a race meeting.

6. General Authority Of Stewards. The stewards have general authority and supervision over all licensees and other persons attendant on horses, and also over the enclosures of any recognized meeting. Stewards have the power to interpret the Rules and to decide all questions not specifically covered by them. The stewards shall have the power to determine all questions arising with reference to entries, eligibility and racing; and all entries, declarations and scratches shall be under the supervision of the stewards. The stewards shall be strictly responsible to the Commission for the conduct of the race meeting in every particular.

7. Vacancy Among Racing Officials. Where a vacancy occurs among the racing officials, the stewards shall fill the vacancy immediately. Such appointment is effective until the vacancy is filled in accordance with the rules.

8. Jurisdiction Of Stewards To Suspend Or Fine. The stewards' jurisdiction in any matter commences 72 hours before entries are taken for the first day of racing at the meeting and extends until 30 days after the close of such meeting. In the event a dispute or controversy arises during a race meeting which is not settled within the stewards' thirty-day jurisdiction, then the authority of the stewards may be extended by authority of the Commission for the period necessary to resolve the matter, or until the matter is referred or appealed to the Commission. The stewards may suspend for not more than one year per violation the license of anyone whom they have the authority to supervise; or they may impose a fine not to exceed $2,500 per violation; or they may exclude from all enclosures in this state; or they may suspend and fine and/or exclude. All such suspensions, fines, or exclusions shall be reported immediately to the Commission. The Stewards may suspend a horse from participating in races if the horse has been involved in violation(s) of the rules promulgated by the Commission or the provisions of the Utah Horse Act under the following circumstances:

A. A horse is a confirmed bleeder as determined by the official veterinarian, and the official veterinarian recommends to the stewards that the horse be suspended from participation.

B. A horse is involved with:

i. Any violation of medication laws and rules;

ii. Any suspension or revocation of an occupation license by the stewards or the Commission or any racing jurisdiction recognized by the Commission; or

iii. Any violation of prohibited devices, laws, and rules.

9. Referral To The Commission. The stewards may refer

with or without recommendation any matter within their jurisdiction to the Commission.

10. Payment Of Fines. All fines imposed by the stewards or Commission shall be due and payable to the Commission within 72 hours after imposition, except when the imposition of such fine is ordered stayed by the stewards, the Commission, or a court having jurisdiction. However, when a fine and suspension is imposed by the stewards or Commission, the fine shall be due and payable at the time the suspension expires. Nonpayment of the fine when due and payable may result in immediate suspension pending payment of the fine.

11. Stewards' Reports And Records. The stewards shall maintain a record which shall contain a detailed, written account of all questions, disputes, protests, complaints, and objections brought to the attention of the stewards. The stewards shall prepare a daily report concerning their race day activities which shall include fouls and disqualifications, disciplinary hearings, fines and suspensions, conduct of races, interruptions and delays, and condition of racing facility. The stewards shall submit the signed original of their report and record to the Executive Director of the Commission within 72 hours of the race day.

12. Power To Order Examination Of Horse. The stewards shall have the power to have tested, or cause to be examined by a qualified person, any horse entered in a race, which has run in a race, or which is stabled within the enclosure; and may order the examination of any ownership papers, certificates, documents of eligibility, contracts or leases pertaining to any horse.

13. Calling Off Race. When, in the opinion of the stewards, a race(s) cannot be conducted in accordance with the rules of the Commission, they shall cancel and call off such race(s). In the event of mechanical failure or interference during the running of a race which affects the horses in such race, the Stewards may declare the race a "no contest." A race shall be declared "no contest" if no horse covers the course.

14. Substitution Of Jockey Or Trainer.

A. In the event a jockey who is named to ride a mount in a race is unable to fulfill his engagement and is excused by the stewards, the trainer of the horse may select a substitute jockey; or, if no substitute jockey is available, the stewards may scratch the horse from the race. However, the responsibility to provide a jockey for an entered horse remains with the trainer; and the scratching of said horse by the stewards shall not be grounds for the refund of any nomination, sustaining, penalty payments, or entry fees.

B. In the absence of the trainer of the horse, the stewards may place the horse in the temporary care of another trainer of their selection; however, such horse may not be entered or compete in a race without the approval of the owner and the substitute trainer. The substitute trainer must sign the entry card.

15. Stewards' List. The stewards may maintain a stewards' list of those horses which, in their opinion, are ineligible to be entered in any race because of poor or inconsistent performance due to the inability to maintain a straight course, or any other reason considered a hazard to the safety of the participants. Such horse shall be refused entry until it has demonstrated to the stewards or their representatives that it can race safely and can be removed from the stewards' list.

16. Duties Of The Starter. The starter shall have complete jurisdiction over the starting gate, the starting of horses, and the authority to give orders not in conflict with the rules as may be required to ensure all participants an equal opportunity to a fair start. The starter shall appoint his assistants; however, he shall not permit his assistants to handle or take charge of any horse in the starting gate without his expressed permission. In the event that organization starter assistants are unavailable to head a horse, the responsibility to provide qualified individuals to head and/or tail a horse in the starting gate shall rest with the trainer. The starter may establish qualification for and maintain a list of such qualified individuals approved by the stewards. No assistant starter or any individual handling a horse at the starting gate shall in any way impede, whether intentionally or otherwise, the start of the race; nor may an assistant starter or other individual, except the jockey handling the horse at the starting gate, apply a whip or other device in an attempt to load any horse in the starting gate. No one other than the jockey shall slap, boot, or otherwise attempt to dispatch a horse from the starting gate.

17. Starter's List. The starter may maintain a starter's list of all horses which, in his opinion, are ineligible to be entered in any race because of poor or inconsistent performance in the starting gate. Such horse shall be refused entry until it has demonstrated to the starter or his representatives that it has been satisfactorily schooled in the gates and can be removed from the starter's list. Such schooling shall be under the direct supervision of the starter or his representatives.

18. Duties Of The Paddock Judge. The paddock judge shall supervise the assembling of the horses scheduled to race, the saddling of horses in the paddock, the saddling equipment and changes thereof, the mounting of the jockeys, and their departure for the post. The paddock judge shall provide a report on saddling equipment to the Stewards at their request.

19. Duties Of Patrol Judges. The patrol judges, when utilized, shall be subject to the orders of the stewards and shall report to the stewards all facts occurring under their observation during the running of a race.

20. Duties Of Placing Judges And Timers. The placing judges, timers, and/or stewards shall occupy the judges' stand at the time the horses pass the finish line; and their duties shall be to hand time, place the horses in the correct order of finish, and report the results. In case of a dead heat or a disagreement as to the correct order of finish, the decision of the stewards shall be final. In placing the horses at the finish, the position of the horses' noses only shall be considered the most forward point of progress.

21. Duties Of The Clerk Of Scales. The clerk of scales is responsible for the presence of all jockeys in the jockey's room at the appointed time and to verify that all jockeys have a current Utah jockey's license. The clerk of scales shall verify the correct weight of each jockey at the time of weighing out and when weighing in, and shall report any discrepancies to the stewards immediately. In addition, he or she shall be responsible for the security of the jockey's room and the conduct of the jockeys and their attendants. He or she shall promptly report to the stewards any infraction of the Rules with respect to weight, weighing, riding equipment, or conduct. He or she shall

be responsible for accounting of all data required on the scale sheet and submit that data to the horsemen's bookkeeper at the end of each race day.

22. Duties Of The Racing Secretary. The racing secretary shall write and publish conditions of all races and distribute them to horsemen as far in advance of the closing of entries as possible. He or she shall be responsible for the safekeeping of registration certificates and the return of same to the trainers on request or at the conclusion of the race meeting. He or she shall record winning races on the form supplied by the breed registry, which shall remain attached to or part of the registration certificate. The racing secretary shall be responsible for the taking of entries, checking eligibility, closing of entries, selecting the races to be drawn, conducting the draw, posting the overnight sheet, compiling the official program, and discharging such other duties of their office as required by the rules or as directed by the Stewards.

23. Duties Of Associate Judge. An associate judge may perform any of the duties which are performed by any racing official at a meeting, provided such duties are assigned or delegated to them by the Commission or by the stewards presiding at that meeting.

24. Duties Of The Official Veterinarian. The official veterinarian must be a graduate veterinarian and licensed to practice in the State of Utah. He or she shall recommend to the stewards any horse that is deemed unsafe to be raced, or a horse that it would be inhumane to allow to race. He or she shall supervise the taking of all specimens for testing according to procedures approved by the Commission. He or she shall provide proper safeguards in the handling of all laboratory specimens to prevent tampering, confusion, or contamination. All specimens collected shall be sent in locked and sealed cases to the laboratory. He or she shall have the authority and jurisdiction to supervise the practicing licensed veterinarians within the enclosure. The official veterinarian shall report to the Commission the names of all horses humanely destroyed or which otherwise expire at the meeting, and the reasons therefore. The official veterinarian may place horses on a veterinarian's list, and may remove from the list those horses which, in their opinion, can satisfactorily compete in a race.

25. Veterinarian's List. The official veterinarian may maintain a list of all horses who, in their opinion, are incapable of safely performing in a race and are, therefore, ineligible to be entered or started in a race. Such horse may be removed from the Veterinarian's List when, in the opinion of the official veterinarian, the horse has satisfactorily recovered the capability of performing in a race. The reasons for placing a horse on the veterinarian's list shall include the shedding of blood from one or both nostrils following exercise or the performance in a race and the running of a temperature unnatural to the horse.

26. Duties Of The Identifier. The identifier shall identify all horses starting in a race. The identifier shall inspect documents of ownership, eligibility, registration, or breeding as may be necessary to ensure proper identification of each horse eligible to compete at a race meeting provide assistance to the stewards in that regard. The identifier shall immediately report to the paddock judge and the stewards any horse which is not properly identified or any irregularities reflected in the official identification records. The identifier shall report to the stewards and to the Commission on general racing practices observed, and perform such other duties as the Commission may require. The identifier shall report to the racing secretary before the close of the race day business.

R65-7-7. Entries and Declarations.

1. Control Over Entries And Declarations. All entries and declarations are under the supervision of the Stewards or their designee; and they, without notice, may refuse the entries any person or the transfer of entries.

2. Racing Secretary To Establish Conditions. The racing secretary may establish the conditions for any race, the allowances or handicaps to be established for specific races, the procedures for the acceptance of entries and declarations, and such other conditions as are necessary to provide and conduct the organization's race meeting. The racing secretary is responsible for the receipt of entries and declarations for all races. The racing secretary, employees of their department, or racing officials shall not disclose any pertinent information concerning entries which have been submitted until all entries are closed. After an entry to a race for which conditions have been published has been accepted by the racing secretary or their delegate, no condition of such race shall be changed, amended or altered, nor shall any new condition for such race be imposed.

3. Entries. No horse shall be entered in more than one race on the same day. No person shall enter or attempt to enter a horse for a race unless such entry is a bona fide entry made with the intention that such horse is to compete in the race for which entry is made except, if racing conditions permit, for entry back in finals or consolations involving physically disabled or dead qualifiers for purse payment purposes. Entries shall be in writing on the entry card provided by the organization and must be signed by the trainer or assistant trainer of the horse. Entries made by telephone are valid properly confirmed by the track when signing the entry card. No horse shall be allowed to start unless the entry card has been signed by the trainer or his assistant trainer.

4. Determining Eligibility. Determination of a horse's eligibility, penalty or penalties and the right to allowance or allowances for all races shall be from the date of the horse's last race unless the conditions specify otherwise. The trainer is responsible for the eligibility of his horse and to properly enter his horse in condition. In the event the records of the Racing Secretary or the appropriate breed registry do not reflect the horse's most recent starts, the trainer or owner shall accurately provide such information. If a horse is not eligible under the first condition of any race, he cannot be eligible under subsequent conditions. If the conditions specify nonwinners of a certain amount, it means that the horse has not won a race in which the winner's share was the specified amount or more. If the conditions specify nonearners of a stated amount, it means that the horse has not earned that stated amount in any total number of races regardless of the horse's placing.

5. Entries Survive With Transfer. All entries and rights of entry are valid and survive when a horse is sold with his engagements duly transferred. If a partnership agreement is properly filed with the Horsemen's Bookkeeper, subscriptions, entries and rights of entry survive in the remaining partners.

Unless written notice to the contrary is filed with the stewards, the entries, rights of entry, and engagements remain with the horse and are transferred therewith to the new owner. No entry or right of entry shall become void on the death of the nominator unless the conditions of the race state otherwise.

6. Horses Ineligible To Start In A Race. In addition to any other valid ground or reason, a horse is ineligible to start any race if:

A. Such horse is not registered by The Jockey Club if a Thoroughbred; the American Quarter Horse Association if a Quarter Horse; the Appaloosa Horse Club if an Appaloosa; the Arabian Horse Club Registry of America if an Arabian; the American Paint Horse Association if a Paint; the Pinto Horse Association of America, Inc., if a Pinto; or any successors to any of the foregoing or other registry recognized by the Commission.

B. The Certificate of Foal Registration, eligibility papers, or other registration issued by the official registry for such horse is not on file with the racing secretary one hour prior to post time for the race in which the horse is scheduled to race.

C. Such horse has been entered or raced at any recognized race meeting under any name or designation other than the name or designation duly assigned by and registered with the official registry.

D. The Win Certificate, Certificate of Foal Registration, eligibility papers or other registration issued by the official registry has been materially altered, erased, removed, or forged.

E. Such horse is ineligible to enter said race, is not duly entered for such race, or remains ineligible to time of starting.

F. The trainer of such horse has not completed the prescribed licensing procedures required by the Commission before entry and the ownership of such horse has not completed the prescribed licensing procedures prior to the horse starting or the horse is in the care of an unlicensed trainer.

G. Such horse is owned in whole or in part or trained by any person who is suspended or ineligible for a license or ineligible to participate under the rules of any Turf Governing Authority or Stud Book Registry.

H. Such horse is a suspended horse.

I. Such horse is on the stewards' list, starter's list, or the veterinarian's list.

J. Except with permission of the stewards and identifier, the identification markings of the horse do not agree with identification as set forth on the registration certificate to the extent that a correction is required from the appropriate breed registry.

K. Except with the permission of the stewards, a horse has not been lip tattooed by a Commission approved tattooer.

L. The entry of a horse is not in the name of his true owner.

M. The horse has drawn into the field or has started in a race on the same day.

N. Its age as determined by an examination of its teeth by the official veterinarian does not correspond to the age shown on its registration certificate, such determination by tooth examination to be made in accordance with the current "Official Guide for Determining the Age of the Horse" as adopted by the American Association of Equine Practitioners.

7. Horses Ineligible To Enter Or Start. Any horse ineligible to be entered for a race or ineligible to start in any race which is entered or competes in such race, may be scratched or disqualified; and the stewards may discipline any person responsible.

8. Registration Certificate To Reflect Correct Ownership. Every certificate of registration, eligibility certificate or lease agreement filed with the organization and its racing secretary to establish the eligibility of a horse to be entered for any race shall accurately reflect the correct and true ownership of such horse, and the name of the owner which is printed on the official program for such horse shall conform to the ownership as declared on the certificate of registration or eligibility certificate. A stable name may be registered for such owner or ownership with the Commission. In the event ownership is by syndicate, corporation, partnership or other association or entity, the name of the owner which is printed on the official program for such shall be the responsible managing owner, officer, or partner who assumes all responsibilities as the owner.

9. Alteration Or Forgery Of Certificate Of Registration. No person shall alter or forge any win sheet, certificate of registration, certificate of eligibility, or any other document of ownership or registration, no willfully forge or alter the signature of any person required on any such document or entry card.

10. Declarations And Scratches. Any trainer or assistant trainer of a horse which has been entered in a race who does not wish such horse to participate in the draw must declare his horse from the race prior to the close of entries. Any trainer or assistant trainer of a horse which has been drawn into or is also eligible for a race who does not wish such horse to start in the race, must scratch his horse from the race prior to the designated scratch time. The declaration or scratch of a horse from a race is irrevocable.

11. Deadline For Arrival Of Entered Horses. All horses scheduled to compete in a race must be present within the enclosure no later than 30 minutes prior to their scheduled race without stewards' approval. Horses not within the enclosure by their deadline may be scratched and the trainer subject to fine and/or suspension.

12. Refund Of Fees. If a horse is declared or scratched from a race, the owner of such horse shall not be entitled to a refund of any nomination, sustaining and penalty payments, entry fees, or organization charges paid or remaining due at the time of the declaration or scratch. In the event any race is not run, declared off, or canceled for any reason, the owners of such horses that remain eligible at the time the race is declared off or canceled shall be entitled to a complete refund of all the above payments and fees less monies specified in written race conditions for advertising and promotion.

13. Release Of Certificates. Any certificate of registration or document of ownership filed with the racing secretary to establish eligibility to enter a race shall be released only to the trainer of record of the horse. However, the trainer may authorize in a form provided by the racing secretary the release of the certificate to the owner named on the certificate or his authorized agent. Any disputes concerning the rights to the registration certificates shall be decided by the stewards.

14. Nomination Races. Prior to the closing of nominations, the organization shall file with the Commission a

copy of the nomination blank and all advertisements for races to be run during a race meeting. For all races which nominations close no earlier than 72 hours before post time, the organization shall furnish the Commission and the owners of horses previously made eligible by compliance with the conditions of such race, with a list of all horses nominated and which remain eligible. The list shall be distributed within 15 days after the due date of each payment and shall include the horse's name, the owner's name and the total amount of payments and gross purse to date, including any added monies, applicable interest, supplementary payments, and deduction for advertising and administrative expenses. The organization shall deposit all monies for a nomination race in an escrow account according to procedures approved by the Commission.

15. Limitations On Field And Number Of Races. No race with less than five horses entered, or three horses ultimately participating, shall be run, with the exception of a trial or the finals for a nomination race. No more than 20 races may be run on a race day, except with permission of the Commission. A race day may be canceled if less than 75 horses have been entered on the day's program, with the exception of days on which trials or finals for a nomination race are scheduled.

16. Agreement Upon Entry. No entry shall be accepted in any race except upon the condition that all disputes, claims, and objections arising out of the racing or with respect to the interpretation of Commission and track rules or conditions of any race shall be decided by the Board of Stewards at the race meet; or, upon appeal, decided by the Commission.

17. Selection Of Entered Horses. The manner of selecting post positions of horses shall be determined by the stewards. The selection shall be by lot and shall be made by one of the stewards or their designee and a horseman, in public, at the close of entries. If the number of entries to any race is in excess of the number of horses which may, because of track limitations, be permitted to start in any one race, the race may be split; or four horses not drawing into the field may be placed on an also eligible list.

18. Preferred List Of Horses. The racing secretary may maintain a list of entered horses eliminated from starting by a surplus of entries, and these horses shall constitute a preferred list and have preference. The manner in which the preferred list shall be maintained and all rules governing such list shall be the responsibility of the Racing Secretary. Such rules must be submitted to the Commission 30 days prior to the commencement of the meet and are subject to approval by the Commission.

R65-7-8. Veterinarian Practices, Medication and Testing Procedures.

1. Veterinary Practices - Treatment Restricted. Within the time period of 24 hours prior to the post time for the first race of the week until four hours after the last race of the week, no person other than Utah licensed veterinarians or animal technicians under direct supervision of a licensed veterinarian who have obtained a license from the Commission shall administer to any horse within the enclosure any veterinary treatment or any medicine, medication, or other substance recognized as a medication, except for recognized feed supplements or oral tonics or substances approved by the Official Veterinarian.

2. Veterinarians Under Supervision Of Official Veterinarian. Veterinarians licensed by the Commission and practicing at an authorized meeting are under the supervision of the Official Veterinarian and the Stewards. The Official Veterinarian shall recommend to the Stewards or the Commission the discipline to be imposed upon a veterinarian who violates the Rules, and he or she may sit with the Stewards in any hearing before the Stewards concerning such discipline or violation.

3. Veterinarian Report. Every veterinarian who treats any horse within the enclosure for any contagious or communicable disease shall immediately report to the official veterinarian in writing on a form approved by the Commission. The form shall include the name and location of the horse treated, the name of the trainer, the time of treatment, the probable diagnosis, and the medication administered. Each practicing veterinarian shall be responsible for maintaining treatment records on all horses to which they administer treatment during a given race meeting. These records shall be available to the Commission upon subpoena when required. Any such record and any report of treatment as described above is confidential; and its content shall not be disclosed except in a proceeding before the stewards or the Commission, or in the exercise of the Commission's jurisdiction.

4. Drugs Or Medication. Except as authorized by the provisions of this Article, no drug or medication shall be administered to any horse prior to or during any race. Presence of any drug or its metabolites or analog, or any substance foreign to the natural horse found in the testing sample of a horse participating in a Commission-sanctioned race shall result in disqualification by the Stewards. When a horse is disqualified because of an infraction of this Rule, the owner or owners of such horse shall not participate in any portion of the purse or stakes; and any trophy or other award shall be returned. (See Drugs and Medications Exceptions, Section R67-7-13.)

5. Racing Soundness Examination. Each horse entered to race may be subject to a veterinary examination by the official veterinarian or his authorized representative for racing soundness and health on race day.

6. Positive Lab Reports. A finding by a licensed laboratory that a test sample taken from a horse contains a drug or its metabolites or analog, or any substance foreign to the natural horse shall be prima facie evidence that such has been administered to the horse either internally or externally in violation of these rules. It is presumed that the sample of urine, saliva, blood or other acceptable specimen tested by the approved laboratory to which it is sent is taken from the horse in question; its integrity is preserved; that all procedures of same collection and preservation, transfer to the laboratory, and analyses of the sample are correct and accurate; and that the report received from the laboratory pertains to the sample taken from the horse in question and correctly reflects the condition of the horse during the race in which he was entered, with the burden on the trainer, assistant trainer or other responsible party to prove otherwise at any hearing in regard to the matter conducted by the stewards or the Commission.

7. Intent Of Medication Rules. It shall be the intent of these rules to protect the integrity of horse racing, to guard the

health of the horse, and to safeguard the interests of the public and the racing participants through the prohibition or control of all drugs, medication, and substances foreign to the natural horse.

8. Power To Have Tested. As a safeguard against the use of drugs, medication, and substances foreign to the natural horse, a urine or other acceptable sample shall be taken under the direction of the official veterinarian from the winner of every race and from such other horses as the stewards or the Commission may designate.

9. Pre-Race Testing. The stewards may require any horse entered to race to submit to a blood or other pre-race test, and no horse is eligible to start in a race until the owner or trainer complies with the required testing procedure.

10. Equipment For Official Testing. Organizations shall provide the equipment, necessary supplies and services prescribed by the Commission and the official veterinarian for the taking of or administration of blood, urine, saliva or other tests.

11. Taking Of Samples. Blood, urine, saliva or other samples shall be taken under the direction of the official veterinarian or persons appointed or assigned by the official veterinarian for taking samples. All samples shall be taken in a detention area approved by the Commission, unless the Official Veterinarian approves otherwise. Each horse shall be cooled out for a minimum of 30 minutes after entry into the test barn before a sample is to be taken. The taking of any test samples shall be witnessed, confirmed or acknowledged by the trainer of the horse being tested or his authorized representative or employee, and may be witnessed by the owner, trainer, or other licensed person designated by them. Samples shall be sent to racing laboratories approved and designated by the Commission, in such manner as the Commission or its designee may direct. All required samples shall be in the custody of the official veterinarian, his/her assistants or other persons approved by the official veterinarian from the time they are taken until they are delivered for shipment to the testing laboratory. No person shall tamper with, adulterate, add to, break the seal of, remove or otherwise attempt to so alter or violate any sample required to be taken by this Article, except for the addition of preservatives or substances necessarily added by the Commission-approved laboratory for preservation of the sample or in the process of analysis.

The Commission has the authority to direct the approved laboratory to retain and preserve samples for future analysis.

The fact that purse money has been distributed prior to the issuance of a laboratory report shall not be deemed a finding that no chemical substance has been administered in violation of these Rules to the horse earning such purse money.

12. Laboratories Approved By The Commission. Only laboratories approved by the Commission may be used in obtaining analysis reports on urine, or other specimens, taken from the winners or other designated horses of each race meeting. The Commission and the Board of Stewards shall receive reports directly from the laboratory.

13. Split Samples. As determined by the official veterinarian, when sample quantity permits, each test sample shall be divided into two portions so that one portion shall be used for the initial testing for unknown substances. If the Trainer or owner so requests in writing to the stewards within 48 hours of notice of positive lab report on the test sample of his horse, the second sample shall be sent for further testing to a drug testing laboratory designated and approved by the commission. Nothing in this rule shall prevent the commission or executive director from ordering first use of both sample portions for testing purposes. The results of said split sampling may not prevent the disqualification of the horse as per R65-7-8-4 and 65-7-8-6. All costs for transportation and testing of the second sample portion shall be the responsibility of the requesting person. The official veterinarian shall have overall supervision and responsibility for the freezing, storage and safeguarding of the second sample portion.

14. Facilitating The Taking Of Urine Samples. When a horse has been in the test barn more than 1-1/2 hours, a diuretic may be administered by the Official Veterinarian for the purpose of facilitating the collection of a urine sample with permission of the stewards and the trainer or the trainer's authorized test barn representative. The cost of administration of the diuretic is the responsibility of the trainer. Prior to the administration of a diuretic, a blood sample may be taken from the horse.

15. Postmortem Examination. Every horse which dies or suffers a breakdown on the racetrack in training or in competition within any enclosure licensed by the Commission and is destroyed, may undergo, at a time and place acceptable to the official veterinarian, a postmortem examination to the extent reasonably necessary to determine the injury or sickness which resulted in euthanasia or natural death. Any other horse which expires within any enclosure may be required by the official veterinarian to undergo a postmortem examination.

A. The postmortem examination required under this rule will be conducted by a licensed veterinarian employed by the owner or his trainer in consultation with the official veterinarian, who may be present at such postmortem examination.

B. Test samples may be obtained from the carcass upon which the postmortem examination is conducted and shall be sent to a laboratory approved by the Commission for testing for foreign substances or their metabolites and natural substances at abnormal levels. When practical, samples shall be procured prior to euthanasia.

C. The owner of the deceased horse shall make payment of any charges due the veterinarian employed by him to conduct the postmortem examination.

D. A record of such postmortem shall be filed with the official veterinarian by the owner's veterinarian within 72 hours of the death and shall be submitted on a form supplied by the Commission.

E. Each owner and trainer accepts the responsibility for the postmortem examination provided herein as a requisite for maintaining the occupation license issued by the Commission.

R65-7-9. Running the Race.

1. Jockeys To Report. Every jockey engaged to ride in a race shall report to the jockey room at least one hour before post time of the first race and shall weigh out at the appointed time unless excused by the stewards. After reporting, a jockey shall not leave the jockey room until all of their riding engagements

have been fulfilled and/or unless excused by the stewards.

2. Entrance To Jockey Room Prohibited. Except with permission of the stewards or the Commission, no person shall be permitted entrance into the jockey room from one hour before post time for the first race until after the last race other than jockeys, their attendants, racing officials and security officers on duty, and organization employees performing required duties.

3. Weighing Out. All jockeys taking part in a race must be weighed out by the Clerk of Scales no more than one hour preceding the time designated for the race. Any overweight in excess of one pound shall be declared by the jockey to the Clerk of Scales, who shall report such overweight and any change in jockeys to the Stewards for immediate public announcement. A jockey's weight includes the riding costume, racing saddle and pad; but shall not include the jockey's safety helmet, whip, the horse's bridle or other regularly approved racing tack. A jockey must be neat in appearance and must wear a conventional riding costume.

4. Unruly Horses In The Paddock. If a horse is so unruly in the saddling paddock that the identifier cannot read the tattoo number and properly identify the horse; or if the trainer or their assistant is uncooperative in the effort to identify the horse, then the horse may be scratched by order of the stewards.

5. Use Of Equipment. No bridle shall weigh more than two pounds, nor shall any whip weigh more than one pound or be more than 31 inches in length. No whip shall be used unless it shall have affixed to the end thereof a leather "popper." All whips are subject to inspection and approval by the stewards. Blinkers are not to be placed on the horse until after the horse has been identified by the official identifier, except with permission of the stewards.

6. Prohibited Use Of Equipment. Jockeys are prohibited from whipping a horse excessively, brutally, or upon the head, except when necessary to control the horse. No mechanical or electrical devices or appliances other then the ordinary whip shall be possessed by any individual or used on any horse at any time a race meeting, whether in a race or otherwise.

7. Responsibility For Weight. The jockey, trainer and owner shall be responsible for the weight carried by the horse after the jockey has been weighed out for the race by the clerk of scales. The trainer or owner may substitute a jockey when the engaged jockey reports an overweight in excess of two pounds.

8. Safety Equipment Required. All persons, when mounted on a race horse within the enclosure or riding in a race, shall wear a properly fastened safety helmet and flak jacket. The Commission or the stewards may require any other person to wear such helmet and jacket when mounted on a horse within the enclosure. All safety helmets and flak jackets so required are subject to approval of the stewards or Commission.

9. Display Of Colors And Post Position Numbers. In a race, each horse shall carry a conspicuous saddle cloth number and a head number, and the jockey shall wear colors and a numbered helmet cover corresponding to the number of the horse which are furnished by the organization licensee.

10. Deposit Of Jockey Fee. The minimum jockey mount fee for a losing mount in the race must be on deposit with the horsemen's bookkeeper, prior to the time for weighing out, and failure to have such minimum fee on deposit is cause for disciplinary action and cause for the stewards to scratch the horse for which such fee is to be deposited. The organization assumes the obligation to pay the jockey fee when earned by the engaged jockey. The jockey fee shall be considered earned when the jockey is weighed out by the clerk of scales, unless, in the opinion of the stewards, such jockey capable of riding elect to take themselves off the mount without proper cause.

11. Requirements For Horse, Trainer, And Jockey. Every horse must be in the paddock at the time appointed by the stewards before post time for their race. Every horse must be saddled in the paddock stall designated by the paddock judge unless special permission is granted by the stewards to saddle elsewhere. Each trainer or their assistant trainer having the care and custody of such horse shall be present in the paddock to supervise the saddling of the horse and shall give such instructions as may be necessary to assure the best performance of the horse. Every jockey participating in a race shall give their best effort in order to facilitate the best performance of their horse.

12. Failure To Fulfill Jockey Engagements. No jockey engaged for a certain race or for a specified time may fail or refuse to abide by his or her agreement unless excused by the stewards.

13. Control And Parade Of Horses On The Track. The horses are under the control of the starter from the time they enter the track until dispatched at the start of the race. All horses with jockey mounted shall parade and warm up carrying their weight and wearing their equipment from the paddock to the starting gate, as well as to the finish line. Any horse failing to do so may be scratched by the stewards. After passing the stands at least once, the horses may break formation and warm up until directed to proceed to the starting gate. In the event a jockey is injured during the parade to post or at the starting gate and must be replaced, the horse shall be returned to the paddock and resaddled with the replacement jockey's equipment. Such horse must carry the replacement jockey to the starting gate.

14. Start Of The Race. When the horses have reached the starting gate, they shall be placed in their starting gate stalls in the order stipulated by the starter. Except in cases of emergency, every horse shall be started by the starter from a starting gate approved by the Commission. The starter shall see that the horses are placed in their proper positions without unnecessary delay. Causes for any delay in the start shall immediately be reported to the stewards. If, when the starter dispatches the field, the doors at the front of the starting gate stall should not open properly due to a mechanical failure of malfunction of the starting gate, the stewards may declare such horse to be a nonstarter. Should a horse which is not previously scratched not be in the starting gate stall thereby causing such horse to be left when the field is dispatched by the starter, such horse shall be declared a nonstarter by the stewards.

15. Leaving The Race Course. Should a horse leave the course while moving from the paddock to starting gate, he shall return to the course at the nearest practical point to that at which he left the course, and shall complete his parade to the starting gate from the point at which he left the course. However, should such horse leave the course to the extent that he is out of the direct line of sight of the stewards, or if such horse cannot be returned to the course within a reasonable amount of time,

the stewards shall scratch the horse. Any horse which leaves the course or loses its jockey during the running of a race shall be disqualified and may be placed last, or the horse may be unplaced.

16. Riding Rules. In a straightaway race, every horse must maintain position as nearly as possible in the lane in which he starts. If a horse is ridden, drifts, or swerves out of their lane in such a manner that he interferes with or impedes another horse, it is a foul. Every jockey shall be responsible for making his best effort to control and guide his mount in such a way as not to cause a foul. The stewards shall take cognizance of riding which results in a foul, irrespective of whether an objection is lodged; and if in the opinion of the stewards a foul is committed as a result of a jockey not making his best effort to control and guide their mount to avoid a foul, whether intentionally or through carelessness or incompetence, such jockey may be penalized at the discretion of the stewards.

17. Stewards To Determine Fouls And Extent Of Disqualification. The stewards shall determine the extent of interference in cases of fouls or riding infractions. They may disqualify the offending horse and place it behind such other horses as in their judgment it interfered with, or they may place it last. The stewards may determine that a horse shall be unplaced.

18. Careless Riding. A jockey shall not ride carelessly or willfully so as to permit his or her mount to interfere with or impede any other horse in the race. A jockey shall not willfully strike at another horse or jockey so as to impede, interfere with, or injure the other horse or jockey. If a jockey rides in a manner contrary to this rule, the horse may be disqualified and/or the jockey may be fined and/or suspended, or otherwise disciplined.

19. Ramifications Of A Disqualification. When a horse is disqualified by the stewards, every horse in the race owned wholly or in part by the same owner, or trained by the same trainer, may be disqualified. When a horse is disqualified for interference in a time trial race, it shall receive the time of the horse it is placed behind plus 0.01 of a second penalty, or more exact measurement if photo finish equipment permits, and shall be eligible to qualify for the finals or consolations of the race on the basis of the assigned time.

20. Dead Heat. When a race results in a dead heat, the heat shall not be run off. The purse distribution due the horses involved in the dead heat shall be divided equally between them. All prizes or trophies for which a duplicate is not awardable shall be drawn for by lot.

21. Returning To The Finish After The Race. After the race, the jockey shall return their horse to the finish and before dismounting, salute the stewards. No person shall assist a jockey in removing from their horse the equipment that is to be included in the jockey's weight except by permission of the stewards. No person shall throw any covering over any horse at the place of dismounting until the jockey has removed the equipment that is to be included in his weight.

22. Objection - Inquiry Concerning Interference. Before the race has been declared official, a jockey, trainer or their assistant trainer, owner or their authorized agent of the horse, who has reasonable grounds to believe that their horse was interfered with or impeded or otherwise hindered during the running of a race, or that any riding rule was violated by any jockey or horse during the running of the race, may immediately make a claim of interference or foul with the stewards or their delegate. The stewards shall thereupon hold an inquiry into the running of the race; however, the stewards may upon their own motion conduct an inquiry into the running of a race. Any claim of foul, objection, and/or inquiry shall be immediately announced to the public.

23. Official Order Of Finish. When satisfied that the order of finish is correct, that all jockeys unless excused have been properly weighed in, and that the race has been properly run in accordance with the rules of the Commission, the Stewards shall declare that the order of finish is official; and it shall be announced to the public, confirmed, and the official order of finish posted for the race.

24. Time Trial Qualifiers. When two or more time trial contestants have the same qualifying time, to a degree of .01 of a second, or more exact measurement if photo finish equipment permits, for fewer positions in the finals or consolation necessary for all contestants, then a draw by lot will be conducted in accordance with Subsection R65-7-7(17). However, no contestant may draw into a finals or consolation instead of a contestant which out finished such contestant. When scheduled races are trial heats for futurities or stakes races electronically timed from the starting gates, no organization licensee shall move the starting gates or allow the starting gates to be moved until all trial heats are complete, except in an emergency as determined by the stewards.

R65-7-10. Objections and Protests; Hearing and Appeals.

1. Stewards To Make Inquiry Or Investigation. The stewards shall make diligent inquiry or investigation into any complaint, objection or protest made either upon their own motion, by any Racing Official, or by any other person empowered by this Article to make such complaint, protest or objection.

2. Objections. Objections to the participation of a horse entered an any race shall be made to the stewards in writing and signed by the objector. Except for claim of foul or interference, an objection to a horse entered in a race shall be made not later than two hours prior to the scheduled post time for the first race on the day which the questioned horse is entered. Any such objection shall set forth the specific reason or grounds for the objection in such detail so as to establish probable cause for the objection. The stewards upon their own motion may consider an objection until such time as the horse becomes a starter. An objection concerning claim of foul in a race may be lodged verbally to the stewards before the race results are declared official.

3. Grounds For Objections. An objection to a horse which is entered in a race shall be made on the following grounds or reasons:

A. A misstatement, error or omission in the entry under which a horse is to run.

B. That the horse which is entered to run is not the horse it is represented to be at the time of entry, or that the age is erroneously given.

C. That the horse is not qualified to enter under the conditions specified for the race, or that the allowances are improperly claimed or not entitled the horse, or that the weight

to be carried is incorrect under the conditions of the race.

D. That the horse is owned in whole or in part, or leased by a person ineligible to participate in racing or otherwise ineligible to run a race as provided in these Rules.

E. That reasonable grounds exist whereby a horse was interfered with or impeded or otherwise hindered by another horse or jockey during the running of a race.

4. Horse Subject To Objection. The stewards may scratch from the race any horse which is the subject of an objection if they have reasonable cause to believe that the objection is valid.

5. Protests. A protest against any horse which has started in a race shall be made to the stewards in writing, signed by the protestor, within 48 hours of the race, except as noted in Subsection R65-7-10(8). Any such protest shall set forth the specific reason or reasons for the protest in such detail as to establish probable cause for protest. The stewards upon their own motion may consider a protest at any time.

6. Grounds For Protest. A protest may be made upon the following grounds:

A. Any ground for objection set forth in R65-1-10(3).

B. That the order of finish as officially determined by the stewards was incorrect due to oversight or errors in the numbers designated to the horses which started in the race.

C. That a jockey, trainer or owner of a horse which started in the race was ineligible to participate in racing as provided in these rules.

D. That the weight carried by a horse was improper by reason of fraud or willful misconduct.

E. That an unfair advantage was gained in violation of the rules.

7. Persons Empowered To File Objection Or Protest. A jockey, trainer, owner or authorized agent of the horse which is entered or is a starter in a race is empowered to file an objection or protest against any other horse in such race upon the grounds set forth in this Article for objections and protests.

8. No Limitation On Time To File When Fraud Alleged. Notwithstanding any other provision in this Article, the time limitation on the filing of protests shall not apply in any case in which fraud or willful misconduct is alleged, provided that the stewards are satisfied that the allegations are bona fide and susceptible to verification.

9. Frivolous Or Inaccurate Objection Or Protest. No person shall knowingly file a frivolous, inaccurate, false, or untruthful objection or protest; nor shall any person present his objection or protest to the stewards in a disrespectful or undignified manner.

10. Horse To Be Disqualified On Valid Protest. If a protest against a horse which has run in a race is declared valid, that horse may be disqualified. A horse so disqualified which was a starter in the said race, may be placed last in the order of finish or may be unplaced. The stewards or the Commission may order any purse, award or prize for any race withheld from distribution pending the determination of the protest(s). In the event any purse, award or prize has been distributed to a person on behalf of a horse which by protest or other reason is disqualified or determined not to be entitled to such purse, award or prize, the stewards or the Commission may order such purse, award or prize returned and redistributed to the rightful person. Any person who fails to comply with an order to return any purse, award or prize previously distributed shall be suspended until its return.

11. Notification Of And Representation At Hearing. Adequate notice of hearing shall be given to every summoned person in accordance with the procedures set forth in Subsection R65-7-3(6). Every person alleged to have committed a rule violation or who is called to testify before the stewards is entitled at the persons expense to have counsel present evidence and witnesses on his behalf and to cross-examine other witnesses at the hearing.

12. Testimony And Evidence At Hearing. Every person called to a hearing before the stewards for a rule violation shall be allowed to present testimony, produce witnesses, cross-examine witnesses, and present documentary evidence in accordance with the rules of privilege recognized by law.

13. Duty Of Disclosure. It is the duty and obligation of every licensee to make full disclosure at a hearing before the Commission or before the stewards of any knowledge he or she possesses of a violation of any racing law or of the rules of the Commission. No person may refuse to testify at any hearing on any relevant matter except in the proper exercise of a legal privilege, nor shall any person testify falsely.

14. Failure To Appear. Any licensee or summoned person who fails to appear before the stewards or the Commission after they have been ordered personally or in writing to do so, may be suspended pending appearance before the stewards or the Commission. Nonappearance of a summoned person after adequate notice may be construed as a waiver of right to be present at a hearing.

15. Record Of Hearing. All hearings before the stewards or Commission shall be recorded. That portion at a hearing constituting deliberations in executive session need not be recorded. A written transcript or a copy of the tape recording shall be made available to any person alleged to have committed a violation of the Act or the rules upon written request and payment of appropriate reimbursement cost(s) for transcription or reproduction.

16. Vote On Steward's Decision. A majority vote shall decide any question to which the authority of the stewards extends. If a vote is not unanimous, the dissent steward shall provide a written record to the Commission of the reasons for such dissent within 72 hours of the vote.

17. Rulings By The Stewards. Any ruling or order issued by the stewards shall specify the full name of the licensee or person subject to the ruling or order; most recent address on file with the Commission; date of birth; social security number; statement of the offense charged including any rule number; date of ruling; fine and/or suspension imposed or other action taken; changes in the order of finish and purse distribution in a race, when appropriate; and any other information deemed necessary by the stewards or the Commission. Any member of a Board of Stewards may, after consultation with and by mutual agreement of the other stewards, issue an Order or Notice signed by one steward on behalf of the Board of Stewards. Subsequently, an Order containing all three stewards' signatures shall be made part of the official record.

18. Summary Suspension Of Occupation Licensee. If the stewards or the Commission find that the public health, safety, or welfare require emergency action and incorporates such

finding to that effect in any Order, summary suspension may be ordered pending proceedings for revocation or other action, which proceedings shall be promptly initiated and held as provided in Subsection R65-7-10(19).

19. Duration Of Suspension Or Revocation. Unless execution of an order of suspension or revocation is stayed by the Commission or a court of competent jurisdiction, a person's occupation license, suspended or revoked, shall remain suspended or revoked until the final determination has been made pursuant to the provisions of Section R65-7-5.

20. Grounds For Appeal From Decision Of The Stewards. Any decision of the stewards, except decisions regarding disqualifications for interference during the running of a race, may be appealed to the Commission; and such decision may be overruled if it is found by a preponderance of evidence that:

A. The stewards mistakenly interpreted the law; or

B. The Appellant produces new evidence of a convincing nature which, if found to be true, would require the overruling of the decision; or

C. The best interests of racing and the State may be better served.

21. Appeal From Decision Of The Stewards. The Commission shall review hearings of any case referred to the Commission by the stewards or appealed to the Commission from the decisions of the stewards except as otherwise provided in this Article. Upon every appealable decision of the stewards, the person subject to the decision or Order shall be made aware of his right to an appeal before the Commission and the necessary procedures thereof. Appeals shall be made no later than 72 hours or the third calendar day from the date of the rendering of the decision of the stewards unless the Commission for good cause extends the time for filing not to exceed 30 days from said rendering date. The appeal shall be in writing, signed by the appellant; shall contain his full name, present mailing address, and present phone number; and shall set forth the facts and any new evidence the appellant believes to be grounds for an appeal before the Commission. Action on such a hearing request must commence by the Commission within 30 days of the filing of the appeal. An appeal shall not affect a decision of the stewards until the appeal has been sustained or dismissed or a stay order issued.

22. Appointment Of Hearing Examiners. When directed by the Commission, any qualified person(s) may sit as a hearing examiner(s) for the taking of evidence in any matter pending before the Commission. Any such hearing examiner shall report to the Commission Findings of Fact and Conclusions of Law, and the Commission shall determine the matter as if such evidence had been presented to the full Commission.

23. Hearings On Agreement. Persons aggrieved as of the result of a stewards' ruling in a preliminary or trial race may request a hearing before the executive director of the Commission to review same. If all interested parties waive the right to receive ten day notice of hearing, such a hearing may be heard on a day certain within seven days after the preliminary or trial race in question. All such appeals shall be heard on days set by the executive director of the Commission or anyone acting in his stead.

24. Temporary Stay Order. The Executive Director may, upon consultation with the direction of a minimum of three Commissioners, issue or deny a temporary stay order to stay execution of any ruling, order or decision of the stewards except stewards' decisions regarding disqualifications for interference during the running of a race. Any application for a temporary stay shall be in writing, signed by the appellant; shall contain his full name, present mailing address, and present phone number; shall set forth the facts and any evidence to justify the issuance of the stay; and shall be filed with the Office of the Commission as specified in Subsection R65-7-3(7). The granting of a temporary stay order shall carry no presumption that the stayed decision of the stewards is or may be invalid, and a temporary stay order may be dissolved at any time by further order of the executive director upon consultation with and the direction of a minimum of three Commissioners.

25. Appearance At Hearing Upon Appeal. The Commission shall notify the Appellant and the stewards of the date, time and location of its hearing in the matter upon appeal. The burden shall be on the appellant to provide the facts necessary to sustain the appeal.

26. Complaints Against Officials. Any complaint against a racing official other than a steward shall be made to the stewards in writing and signed by the complainant. All such complaints shall be reported to the Commission by the stewards, together with a report of the action taken or the recommendation of the stewards. Complaints against any stewards shall be made in writing to the executive director of the Commission and signed by the complainant.

27. Rulings On Admissibility And Evidence. In all hearings, the chairperson, chief steward or such other person as may be designated, shall make rulings on admissibility and introduction of evidence. Such a ruling shall prevail; except when a Commission member or a steward requests a poll of the panel, and the ruling overturned by majority vote.

R65-7-11. General Conduct.

1. Conditions Of Meeting Binding Upon Licensees. The Commission, recognizing the necessity for an organization to comply with the requirements of its license and to fulfill its obligation to the public and the State of Utah with the best possible uninterrupted services in the comparatively short licensed period, herein provides that all organizations, officials, horsemen, owners, trainers, jockeys, grooms, farriers, organization employees, and all licensees who have accepted directly or indirectly, with reasonable advance notice, the conditions defined by these rules under which said organization engages and plans to conduct such race meeting, shall be bound thereby.

2. Trainer Responsibility. The trainer is presumed to know the "Rules of Racing" and is responsible for the condition, soundness, and eligibility of the horses he enters in a race. Should the chemical analysis, urine or otherwise, taken from a horse under his supervision show the presence of any drug or medication of any kind or substance, whether drug or otherwise, regardless of the time it may have been administered, it shall be taken as prima facie evidence that the same was administered by or with the knowledge of the trainer or person or persons under his supervision having care or custody of such horse. At the discretion of the stewards or Commission, the trainer and all other persons shown to have had care or custody of such horse

may be fined or suspended or both. Under the provisions of this rule, the trainer is also responsible for any puncture mark on any horse he enters in a race, found by the stewards upon recommendation of the official veterinarian to evidence injection by syringe. If the trainer cannot be present on race day, he shall designate an assistant trainer. Such designation shall be made prior to time of entry, unless otherwise approved by the stewards. Failure to fully disclose the actual trainer of a horse participating in an approved race shall be grounds to disqualify the horse, and subject the actual trainer to possible disciplinary action by the stewards or the Commission. Designation of an assistant trainer shall not relieve the trainer's absolute responsibility for the conditions and eligibility of the horse, but shall place the assistant trainer under such absolute responsibility also. Willful failure on the part of the trainer to be present at, or refusal to allow the taking of any specimen, or any act or threat to prevent or otherwise interfere therewith shall be cause for disqualification of the horse involved; and the matter shall be referred to the stewards for further action.

3. Altering Sex Of Horse. Any alteration to the sex of a horse from the sex as recorded on the Certificate of Foal Registration or other official registration Certificate of such horse shall be immediately reported by the trainer to the racing secretary and the official horse identifier if such horse is registered to race at any race meeting.

4. Official Workouts And Schooling Races. No trainer shall permit a horse in his charge to be taken on to the track for training or a workout except during hours designated by the organization. A trainer desiring to engage a horse in a workout or schooling race shall, prior to such workout or race, identify the horse by registered name and tattoo number when requested to do so by the stewards or their authorized representative.

5. Intoxication. No licensee, employee of the organization or its concessionaires, shall be under the influence of intoxicating liquor, the combined influence of intoxicating liquor and any controlled dangerous substance, or under the influence of any narcotic or other drug while within the enclosure. No person shall in any manner or at any time disturb the peace or make themselves obnoxious on the enclosure of an organization.

6. Firearms. No person shall possess any firearm within the enclosure unless he is a fully qualified peace officer as defined in the laws of the State of Utah.

7. Financial Responsibility. No licensee shall willfully and deliberately fail or refuse to pay any monies when due for any service, supplies or fees connected with his operations as a licensee; nor shall he falsely deny any such amount due or the validity of the complaint thereof with the purpose of hindering or delaying or defrauding the person to whom such indebtedness is due. A commission authorized license may be suspended pending settlement of the financial obligation. Any financial responsibility complaint against a licensee shall be in writing, signed by the complainant, and accompanied by documentation of the services, supplies or fees alleged to be due, or by a judgment from a court.

8. Checks. No licensee shall write, issue, make or present a bad check in payment for any license fee, fine, nomination or entry fee or other fees, or for any service or supplies. The fact that such check is returned to the payee by the bank as refused is a ground for suspension pending satisfactory redemption of the returned check.

9. Gratuity To Starter Or Assistant Starter. No person shall offer or give money or other gratuity to any starter or assistant starter, nor shall any starter or assistant starter receive money or other compensation, gratuity or reward, in connection with the running of any race or races except compensation received from an organization for official duties.

10. Possession Of Contraband. No person other than a veterinarian or an animal technician licensed by the Commission shall have in his possession within the enclosure during sanctioned meetings any prohibited substance, or any hypodermic syringe or hypodermic needle or similar instrument which may be used for injection except as provided in Subsection R65-7-8(1). No person shall have in his or her possession within the enclosure during any recognized meeting any device other than the ordinary whip which can be used for the purpose of stimulating or depressing the horse or affecting its speed at any time. The stewards may permit the possession of drugs or appliances by a licensee for personal medical needs under such conditions as the stewards may impose.

11. Bribes. No person shall give, or offer or promise to give, or attempt to give or offer any money, bribe or thing of value to any owner, trainer, jockey, agent, or any other person participating in the conduct of a race meeting in any capacity, with the intention, understanding or agreement that such owner, trainer, jockey, agent or other person shall not use his best efforts to win a race or so conduct himself in such race that any other participant in such race shall be assisted or enabled to win such race; nor shall any trainer, jockey, owner, agent or other person participating at any race meeting accept, offer to accept, or agree to accept any money, bribe or thing of value with the intention, understanding or agreement that he will not use his best efforts to win a race or to so conduct himself that any other horse or horses entered in such race shall thereby be assisted or enabled to win such race.

12. Trainer's Duty To Ensure Licensed Participation. No trainer shall have in his custody within the enclosure of any race meeting any horse owned in whole or in part by any person who is not licensed as a horse owner by the Commission unless such owner has filed an application for license as a horse owner with the Commission and the same is pending before the Commission; nor shall any trainer have in his employ within the enclosure any groom, stable employee, stable agent, or other person required to be licensed, unless such person has a valid license. All changes of commissioned licensed personnel shall be reported immediately to the Commission.

13. Conduct Detrimental To Horse Racing. No licensee shall engage in any conduct prohibited by law and by the rules of the Commission, nor shall any licensee engage in any conduct which by its nature is unsportsmanlike or detrimental to the best interest of horse racing.

14. Denial Of Access To Private Property. Nothing contained in these rules shall be deemed, expressly or implicitly, to prevent an organization from exercising the right to deny access to or to remove any person from the organization's premises or property for just cause.

15. Tricks/Schemes. No person shall falsify, conceal, or cover up by trick, scheme, or device a material fact; or make any

false, fictitious, or fraudulent statements or representations; or make or use any false writing or document knowing the same to contain any false, fictitious, or fraudulent statement or entry regarding the prior racing record, pedigree, identity, or ownership of a registered animal in any matter related to the breeding, buying selling, or racing of such animal.

16. Prearranging The Outcome Of A Race. No licensed or unlicensed person may attempt or conspire to prearrange the outcome of a race.

R65-7-12. Fire Prevention and Security.

1. Security Control. Every organization conducting a race meeting shall maintain security controls over its premises, and such security controls are subject to the approval of the Commission.

2. Identification Required. No person shall be admitted to a restricted area within the enclosure without a license, visitor's pass, or other identification issued by the Commission or the organization on his person. Whenever deemed advisable, the stewards or the organization may require the visible display of the identification as a badge. No person shall use the license or credential issued to another, nor shall any person give or loan his license or credential to any other person.

3. Organization Credentials. The racing organization shall establish a system or method of issuing credentials or passes to restrict access to its restricted areas or to ensure that all participants at its meeting are licensed as required by this Article; provided, however, that no such system or methods may exclude any investigator or employee of the Commission or any peace officer when on duty; nor shall any person be excluded solely on the basis of sex, color, creed, or national origin or ancestry.

4. Organization To Prevent Unauthorized Access To Restricted Areas. Unless granted exemption by the Commission, every organization shall prevent access to and shall remove or cause to be removed from its restricted areas any person who is unlicensed, or who has not been issued a visitor's pass or other identifying credential, or whose presence in such restricted area is unauthorized. Nothing herein shall be construed to exclude members of the Commission and any staff members of the Commission in the conduct of official duties.

5. Examination Of Personal Effects. The Commission, its authorized officers or agents may enter the stables, rooms, or other places within the premises of a recognized meeting to inspect and examine the personal effects and property of any licensee or other person in or about or permitted access to any restricted area; and each licensee in accepting his license, and each person entering such restricted area does thereby consent thereto.

6. Obedience To Security Officers And Public Safety Officers. No licensee shall willfully ignore or refuse to obey any order issued by the stewards; the Commission; or any security officer of the organization; or any public officer of any police, fire or law enforcement agency when such order is issued or given in the performance of duty for the purpose of controlling any hazardous situation or occurrence. No person shall interfere with public safety officers, security officers or any racing official in the performance of their duties.

R65-7-13. Drugs and Medication Exceptions and Illegal Practices.

1. Horses Tested. The winner of every race and such other horses as the stewards or commission veterinarian may designate shall be escorted by the veterinarian assistant after the race to the testing enclosure for examination by the authorized representative of the Commission and the taking of specimens shall be by the commission veterinarian or his assistant.

2. Trainer Present at Testing. The trainer, or his authorized representative, must be present in the testing enclosure when a urine or other specimen is taken from a horse, the sample tag attached to the specimen shall be signed by the trainer or his representative, as witness of taking of the specimen. Willful failure to be present at or a refusal to allow the taking of the specimen, or any act or threat to impede or prevent or otherwise interfere therewith, shall subject the person or persons doing so to immediate suspension and fine by the stewards and the matter shall be referred to the Commission for such further penalty as may be determined.

3. Specimens Delivered to Laboratory. All specimens taken by or under the direction of the commission veterinarian, or other authorized representative of the Commission, shall be delivered to the laboratory approved by the Commission for official analysis. Each specimen shall be marked by number and date and may also bear such information as may be essential to its proper analysis; but the identity of the horse from the specimen was taken or the identity of its owner, trainer, jockey or stable shall not be revealed to the laboratory. The container of specimen shall be sealed as soon as the specimen is placed therein and shall bear the name of the Commission.

4. Medication. The commission veterinarian, the Commission or any member of the Board of Stewards may take samples of any medicines or other materials suspected of containing improper medication, drugs or chemicals which would affect the racing conditions of a horse in a race and which may be found in stables or elsewhere on race track grounds or in the possession of such tracks or any person connected with racing and the same shall be delivered to the laboratory designated by the Commission.

5. The Only Non-Steroidal Anti-Inflammatory Drug Permitted. Phenylbutazone shall be administered to the horse no later than 24 hours prior to the time the horse is scheduled to race.

6. Phenylbutazone Levels Permitted and Penalty. No urine sample taken from a horse shall exceed 165 micrograms of phenylbutazone or its metabolites per milliliter of urine or shall not exceed 5 micrograms per milliliter of blood plasma. On a first violation period at phenylbutazone concentrations above 5 ug/ml but below 10 ug/ml plasma or serum: a minimum fine of $250.00; at concentrations above 10 ug/ml plasma: a fine of up to $500.00.

On a second violation within a 12 month period at phenylbutazone concentrations above 5 ug/ml but below 10 ug/ml plasma or serum: a minimum fine of $500.00; at concentrations above 10 ug/ml plasma: a fine of up to $1,000.00.

On a third or subsequent violation within a 12-month period: a fine of $1,000.00, a suspension of 30 days, and loss of purse.

7. Administered under Direction of Commission Licensed Veterinarian. Phenylbutazone must be administered under the direction of a commission licensed veterinarian.

8. List Provided. Horses which are on phenylbutazone shall not be indicated on the daily racing programs or any other publications except that a list of horses on phenylbutazone will be posted at a location designated by the Commission.

9. Lasix Treatment. Any horse which exhibits symptoms of Epistaxis and/or respiratory tract hemorrhage is eligible for placement on the bleeder list and for treatment on race days with the approved medication to prevent or limit bleeding during racing.

10. Bleeders Listing. To be placed on the bleeders list, a horse must be found to have, during or immediately following a race or workout, shed free blood from one or both nostrils or bled internally in the respiratory tract. A Commission licensed veterinarian, following his or her personal examination of a horse, or after consulting with the horses' private veterinarian, shall be allowed to certify a horse as a bleeder. A universal bleeders certificate is required.

11. License Required. In any and all cases, private veterinarians must be licensed with the Utah Horse Racing Commission as a veterinarian in order to administer Lasix.

12. Horse Removed From Bleeders List. A Commission licensed veterinarian may remove a horse from the bleeders list, provided a request is made in writing and it is the recommendation of the veterinarian of the horse, or after an examination by the veterinarian, it is determined that the horse is not a bleeder or is no longer eligible for the bleeders list.

13. Treatment Procedure. Horses on the bleeders list must be treated at least four hours prior to post time with the bleeder medication furosemide, (i.e. Lasix). No other treatment is permitted for bleeder treatment. Bleeder medication must be administered by a Commission licensed veterinarian, such dosage not to exceed 250 mg. The bleeder medication is administered by the trainers veterinarian, and must be witnessed by the trainer or his designee upon their request. Administration of the bleeder medication must be reported in writing on a form designated by the Commission, to the track management no later than two hours prior to the scheduled post time of the last live race of the program.

14. Lasix Levels Permitted and Penalty. Any horse whose post race blood tests contains a level in excess of 80 nanograms of furosemide per milliliter of plasma will be said to be positive for Lasix overage and in violation of Utah Horse Racing Rules and Regulations. Any horse whose post-race urine creatinine is less than 40 milligrams creatinine per 100 milliliters of urine, and the ratio of urine furosemide to urine creatinine does not exceed 0.15, with urine furosemide being measured in micrograms per milliliter of urine will be said to be positive for Lasix overage and in violation of Utah Horse Racing rules.

A. A finding of a chemist of furosemide (Lasix) exceeding the allowable test levels given above shall be considered prima facia evidence that the medication was administered to the horse and carried in the body of the horse while participating in the race.

B. In these cases, a fine and/or suspension will be levied to such horse trainer under the trainer responsibility rule and the horse will be disqualified from the race.

15. Horses Designated. The horses' trainer or designated agent is responsible to enter horses correctly indicating the prescribed medication for the horse. Horses approved for Lasix medication will be designated on the overnight and the daily program with a Lasix or "L".

16. Bleeder Disqualification. Any horse that bleeds a second time in Utah shall not be able to race for a period of 30 days from the date of the second bleeding offense. Any horse that bleeds for a third time shall be suspended from racing for a period of one year from the date of the third offense. Any horse bleeding for the fourth time will be given a lifetime suspension from racing.

17. Disqualification of Owner or Trainer. A horse owner or trainer found to have committed illegal practices under this chapter or found to have administered any non-approved medication substances in violation of the rules in this chapter, shall be deemed disqualified and denied, or shall promptly return, any portion of the purse or sweepstakes or trophy awarded in the affected race, and shall be distributed as in the case of a disqualification. If the affected race is a qualifying race for a subsequent race and if a horse shall be so disqualified, the eligibility of the other horses which ran in the affected race, and which have started in the subsequent race before announcement of such disqualification shall not in any way be affected.

18. Hypodermic Instruments Prohibited. Except by specific written permission of the presiding steward, no person within the grounds of the racing association where the horses are lodged or kept shall have possession of, upon the premises which he occupies or has the right to occupy or in any of his personal property or effects, any hypodermic instrument, hypodermic syringes or hypodermic needle which may be used for injection into any horse of any medication prohibited by this rule. Every racing association is required to use all reasonable efforts to prevent the violation of this rule.

19. Search Provisions. Every racing association, the Commission or the stewards shall have the right to enter, search and inspect the buildings, stables, rooms and other places where horses which are eligible to race are kept, or where property and effects of the licensee are kept within the grounds of the association. Any licensee accepting a license shall be deemed to have consented to such search and to the seizure of any non-approved or prohibited materials, chemicals, drugs or devices and anything apparently intended to be used in connection therewith.

20. Daily Medication Reports. All practicing veterinarians must submit daily to the commission veterinarian a medication report form furnished by the Commission containing the following:

A. Name, age, sex and breed of the horse.

B. The permitted drug used (Bute or Lasix).

C. The time administered.

D. The route of the administration.

E. The report must be dated and signed by the veterinarian so administering the medication. Any such report is confidential and its contents shall not be disclosed except in a proceeding before the stewards or the Commission or in the exercise of the Commission's jurisdiction.

21. Prima Facia Evidence. If the stewards find that any

non-approved medication, for which the purpose of definition shall include any drug, chemical, narcotic, anesthetic, or analgesic has been administered to a horse in such a manner that it is present in a pre-race or post-race test sample, such presence shall constitute prima facia evidence that the horse has been illegally medicated.

22. Trainer Responsibility. Under all circumstances, the horse of record trainer shall be responsible for the horse he trains.

KEY: horses
March 18, 1997 4-38-4
Notice of Continuation October 19, 2001

R70. Agriculture and Food, Regulatory Services.
R70-410. Grading and Inspection of Shell Eggs with Standard Grade and Weight Classes.
R70-410-1. Authority.

A. Promulgated under authority of Section 4-4-2.

B. Adopt by reference: The Utah Department of Agriculture and Food hereby adopts and incorporates by reference the applicable provisions of the regulations issued by the United States Department of Agriculture for grading and inspection of shell eggs and the Standards, 7 CFR Part 56, October 1, 1998 edition, including AMS 56, April 6 1995; 21 CFR, 1 through 200, April 1, 2001; 9 CFR 590, January 1, 2000; and 7 CFR 59, January 1, 1997 edition.

R70-410-2. Handling and Disposition of Restricted Eggs.

Restricted eggs shall be disposed of by one of the following methods at point and time of segregation:

A. Checks and dirties must be shipped to an official egg breaking plant for further processing to egg products. Dirties may be shipped to a shell egg plant for cleaning. Checks and dirties may not be sold to restaurants, bakeries and food manufacturers, not to consumers, unless such sales are specifically exempted by Section 15 of the Federal Egg Products Inspection Act and not prohibited by State Law.

B. Leakers, loss and inedible eggs must be destroyed for human food purposes at the grading station or point of segregation by one of the methods listed below:

1. Discarded and intermingled with refuse such as shells, papers, trash, etc.

2. Processed into an industrial product or animal food at the grading station.

3. Denatured or decharacterized with an approved denaturant. (Such product shipped under government supervision and received under government supervision at a plant making industrial products or animal food need not be denatured or decharacterized prior to shipment.)

4. Leakers, loss and inedible eggs may be shipped in shell form provided they are properly labeled and denatured by adding FD and C color to the shell or by applying a substance that will penetrate the shell and decharacterize the egg meat.

C. Incubator rejects (eggs which have been subjected to incubation) may not be moved in shell form and must be crushed and denatured or decharacterized at point and time of removal from incubation.

D. Blood type loss which has not diffused into the albumen may be moved to an official egg products plant in shell form without adding FD and C color to the shell provided they are properly labeled and moved directly to the egg products plant.

E. Containers used for eggs not intended for human consumption must be labeled with the word "inedible" on the outside of the container.

F. Other methods of disposition may be used only when approved by the Commissioner.

R70-410-3. Packaging.

A. It is unlawful for anyone to pack eggs into a master container which does not bear all required labeling, including responsible party, or to transport or sell eggs in such container.

B. Any person who, without prior authorization, acquires possession of a master container which bears a brand belonging to someone else shall, at his own expense, return such container to the registered owner within 30 days.

KEY: food inspection
November 1, 2001 4-4-2
Notice of Continuation September 12, 2001

R70. Agriculture and Food, Regulatory Services.
R70-920. Packaging and Labeling of Commodities.
R70-920-1. Authority.

Promulgated under authority of Section 4-9-2.

R70-920-2. Adopted by Reference.

The Uniform Packaging and Labeling Regulation, published in the National Institute of Standards and Technology (NIST) Handbook 130, 1997 edition (issued November 1996), is hereby adopted by the department, and incorporated by reference within this rule.

KEY: inspections
July 2, 1997 **4-9-2**
Notice of Continuation October 24, 2001

R70. Agriculture and Food, Regulatory Services.
R70-930. Method of Sale of Commodities.
R70-930-1. Authority.

Promulgated under authority of Section 4-9-2.

R70-930-2. Adopted by Reference.

Except as modified by the department, the Uniform Regulation for the Method of Sale of Commodities as published in the National Institute of Standards and Technology (NIST) Handbook 130, 1997 edition, is hereby adopted by the department, and incorporated by reference within this rule.

R70-930-3. Modifications.

1. Berries and small fruits - if sold by volume, shall have the following capacities:

(a) Metric Capacities - 250 milliliters, 500 milliliters, or 1 liter.

(b) Inch-Pound Capacities - 1/2 dry pint, having a capacity of 16.8 cubic inches and containing not less than six ounces; 1 dry pint, having a capacity of 33.6 cubic inches and containing not less than twelve ounces; 1 dry quart having a capacity of 67.2 cubic inches and containing not less than twenty-four ounces; except that weights used in the sale of red currants shall be 21 ounces for quarts, 10.5 ounces for pints and 5.3 ounces for half pints.

2. Fireplace and stove wood - Quantity.

Wood, of any type, for use as fuel shall be advertised, offered for sale and sold only by net weight or by measure, using the term "cord" and fractional parts of a cord, or the cubic meter.

KEY: inspections
July 2, 1997 **4-9-2**
Notice of Continuation October 24, 2001

R70. Agriculture and Food, Regulatory Services.
R70-940. Standards and Testing of Motor Fuel.
R70-940-1. Authority and Scope.

A. Promulgated under Authority of Section 4-33-4 and Subsection 4-2-2(1)(j).

B. Scope: This rule establishes the requirements for the blending and sale of motor fuel in the state of Utah.

R70-940-2. Standards.

Motor fuels are to meet the following standards:

A. "Octane." (R+M)/2. ASTM D-4814 (ASTM - American Standard of Testing Materials).

B. "Vapor Pressure." ASTM D-323 on Reid Vapor Pressure and ASTM's Information Document on Oxygenated Fuels, Section 4.2.1.

C. "Distillation." ASTM D-86 and ASTM revised D-4814 relative to alcohol blends (along with ASTM's Information Document on Oxygenated Fuels).

D. "Water Tolerance." ASTM D-4814.

E. "Phase Separation." Must be homogenous, no phase separation.

F. "Corrosivity." ASTM D-4814.

G. "Benzene." ASTM D-3606.

H. "Flash Point." ASTM D-93 or D-56.

I. "Gravity." ASTM D-1298.

J. "Sulfur." (X-ray method) ASTM D-2622, 1266, 1552, 2622 or 4294.

K. "Aromatics." ASTM D-1319.

L. "Leads." ASTM D-3237.

M. "Cloud point." ASTM D-2500.

N. "Conductivity." ASTM D-2624.

O. "Cetane" ASTM D-976 or 4737.

P. "Cosolvents." Methanol or ethanol based fuels shall include such cosolvents as are required to increase the water tolerance of the finished gasoline blend to the level specified in R70-940-2-D above.

Q. "Method of Operation." Equipment shall be operated only in the manner that is obviously indicated by its construction or that is indicated by instructions on the equipment.

R. "Maintenance of Equipment." All equipment in service and all mechanisms and devices attached thereto or used in connection therewith shall continuously be maintained in proper operating condition throughout the period of such service.

S. "Product Storage Identification." The fill connection for any petroleum product storage tank or vessel supplying retail motor fuel devices shall be permanently, plainly, and visibly marked as to product contained. When the fill connection device is marked by means of color code, the color key shall be conspicuously displayed at the place of business.

R70-940-3. Labels.

All motor fuel kept, offered or exposed for sale or sold containing at least one percent by volume methanol or ethanol or ethers must be labeled in a prominent, conspicuous manner," "% METHANOL", "% ETHANOL", or "% ETHERS".

A. Letters on the label must be at least 1 1/2 inches high and in contrasting colors.

B. Labels must be located on the face of each dispenser near the area designating the grade of the product.

R70-940-4. Preparation.

All storage tanks and equipment must be purged and cleansed before using methanol, ethanol or ether blend motor fuels.

R70-940-5. Water Content.

All storage tanks must be kept free from water content.

R70-940-6. Bill of Lading.

Bulk sales of all motor fuels shall be accompanied by a delivery ticket containing the following information:

A. Name and address of the vendor and purchaser.

B. Date delivered.

C. Quantity delivered and the quantity upon which the price is based.

D. Identification of the product sold, including grade and indicating the percent of methanol, ethanol or ethers in the blend.

E. The above information must be available at each retail outlet and furnished to the inspector upon request.

R70-940-7. Blending.

A. Blending of motor fuels will be done only at refineries or at qualified blending stations that have the proper equipment to accurately measure the products to be blended, to provide adequate safety standards. The finished blend must meet the requirements of octane, vapor pressure, distillation, and other standards as outlined by ASTM.

A separate fixed tank or a method approved by the Utah State Department of Agriculture and Food shall be used for blending the "methanol or ethanol-based fuel" into the gasoline.

KEY: inspections
August 14, 1995 4-33-4
Notice of Continuation October 24, 2001

R105. Attorney General, Administration.

R105-1. Attorney General's Selection of Outside Counsel, Expert Witnesses and Other Litigation Support Services.

R105-1-1. Authority and Purpose.

A. This rule is adopted to allow the Attorney General to obtain the services of outside counsel, expert witnesses or providers of litigation support services for agencies of the State without having to go through the Division of Purchasing in recognition of the overlapping jurisdiction in this area under the Utah Constitution and applicable statutes and the unique needs of the Attorney General in obtaining these professional services.

B. This rule is adopted pursuant to authority granted by the Chief Procurement Officer of the Division of Purchasing of the Department of Administrative Services under Utah Code Ann. Sec. 63-56-10 (1986), and pursuant to Utah Code Ann. Sec. 67-5-5 (1986), and the Utah Procurement Code (Chapter 56 of Title 63, Utah Code Ann. (1986)) and the applicable subsections thereof, viz., Sec. 63-56-1, -2, -4, -5, -16, -17, -18, -19., -20.5, -21, -22, -23, -24, -25, -26, -27, -28., -29, -30, -32, -33, -34, -40, -41, -45, -46, -47, -48, -49, and -50 (1986 and Supp. 1987).

R105-1-2. Definitions.

A. "Agency" means any department, division, agency, commission, board, council, committee, authority, institution, or other entity within the State government of Utah (see Utah Code Ann. Sec. 67-5-3 (1986)).

B. "Attorney General" means the Attorney General of the State of Utah, or the Attorney General's designee.

C. "Emergency" means a determination by the Attorney General in writing that due to the need for timeliness or confidentiality or both, the health, safety or welfare of the State, any State agency, or any citizen of the State could be significantly affected, threatened or endangered were the Attorney General to proceed to retain outside counsel, expert witnesses or providers of litigation support services under section R105-1-6 of this rule.

D. "Expert witness" means a person whose knowledge, skill, experience, training or education in a scientific, technical or other specialized area would enable the person to give testimony under Rule 702 of the Utah Rules of Evidence (Utah Code Ann. (1986)).

E. "In writing" means handwriting, typing or printing upon paper, dated and signed by the Attorney General or the Attorney General's designee. Unless otherwise indicated, a determination "in writing" is to be placed in the file, and together with the other documents in the file is not open for public inspection under section R105-1-14 of this rule.

F. "Litigation Support Services" means services the Attorney General determines are needed for the performance of the responsibilities and duties imposed upon the office of the Attorney General by the Constitution and laws of this State.

G. "Outside counsel" means an attorney or attorneys who are not, or a law firm whose attorneys are not, employed by the Attorney General's office pursuant to Utah Code Ann. Sec. 67-5-7 et seq. (1986), which the Attorney General appoints, pursuant to Utah Code Ann. Sec. 67-5-5 (1986), to represent, or provide legal advice or counsel to, an agency of the State. "Outside counsel" may or may not be designated as "Special Assistant Attorney General", as the Attorney General determines.

H. "Person" means any business, individual, union, committee, club, other organization, or group of individuals, not including a state agency or a local public procurement unit.

I. "Small purchase" means a determination by the Attorney General in writing that the fee expected to be charged by outside counsel, expert witnesses or providers of litigation support services for a project will be $10,000.00 or less.

J. "Sole source" means a determination by the Attorney General in writing, after a reasonable attempt to locate potential providers of the needed services, that there is only one person qualified and available on a particular project to serve as outside counsel or an expert witness or to provide litigation support services.

K. "State" means the State of Utah.

R105-1-3. Scope.

A. This rule applies to the procurement and appointment by the Attorney General of outside legal counsel, expert witnesses and providers of litigation support services.

B. The rule takes into account the special nature of the purposes for which outside counsel, expert witnesses and providers of litigation support services will often be retained, i.e., litigation, enforcement proceedings or investigations. Legal strategy often requires that a potential plaintiff or defendant not be given any notice of anticipated litigation, or that a party is considering calling expert witnesses; and enforcement proceedings and actions leading to enforcement proceedings are often delicate, with agencies and defendants concerned that in order to prevent undue harm to reputations, the public should not be made aware of any proceedings until preliminary actions have been completed. To enable the Attorney General to have the flexibility needed to provide outside counsel, expert witnesses or providers of litigation support services in instances where obtaining those services through a publicized solicitation could interfere with legal strategies or could disclose information prematurely, the rule specifically authorizes the Attorney General to determine, pursuant to Utah Code Ann. Sec. 63-56-24 (1986), that an emergency exists that would pose a threat to the public health, welfare or safety were the Attorney General publicly to disclose, through a request for proposals, information which would otherwise be necessary for a person to submit a proposal or were the Attorney General to delay procuring those services because of the time constraints imposed by the usual procurement procedures for those services. The rule does provide that even in those "emergency" situations, however, the Attorney General will make the selection with as much competition as practicable under the circumstances.

C. The rule also provides that the Attorney General will select outside counsel, expert witnesses and providers of litigation support services pursuant to competitive sealed proposals, rather than competitive sealed bids, whenever the Attorney General does not make those selections through the small purchase, sole source, or emergency provisions of this rule.

R105-1-4. Determination of Small Purchase, Sole Source, Emergency, or Waiver of Request for Proposals.

A. If the Attorney General determines it is necessary to retain outside counsel, expert witnesses or providers of litigation

support services, the Attorney General may first determine whether the retention of outside counsel, expert witnesses or providers of litigation support services can be made under provisions of this rule for:

1. Small purchases pursuant to section R105-1-7.

2. Sole source providers pursuant to section R105-1-10.

3. Emergencies pursuant to section R105-1-9.

4. Waiver for request for proposals pursuant to section R105-1-10.

B. After the determination under subsection R105-1-4A of this rule has been made, the Attorney General shall proceed to select outside counsel, expert witnesses or providers of litigation support services pursuant to the applicable provisions of this rule.

R105-1-5. Use of Competitive Sealed Proposals in Lieu of Competitive Sealed Bids.

Projects for which outside counsel, expert witnesses, or providers of litigation support services are obtained are usually unique, and the person submitting the lowest proposed fee might not be the best person to provide the needed service for that particular project. As a result, it is not practicable or advantageous to the State or its agencies for the Attorney General to obtain the services of outside counsel, expert witnesses, or providers of litigation support services through competitive sealed bids. Thus, whenever the Attorney General selects outside counsel, expert witnesses, or providers of litigation support services under this rule, the Attorney General will request and receive competitive sealed proposals, rather than competitive sealed bids.

R105-1-6. Selection of Outside Counsel, Expert Witnesses and Providers of Litigation Support Services Other than through Small Purchase, Sole Source, or Emergency, or Waiver of Request for Proposals Provisions.

A. If the Attorney General determines the retention of outside counsel, expert witnesses or providers of litigation support services may not be made under sections R105-1-7, R105-1-8, R105-1-9, or Rule R105-1-10 of this rule, the Attorney General shall proceed under this section.

B. The Attorney General shall prepare a request for proposals ("RFP"), to serve as outside counsel, expert witnesses or providers of litigation support services. The RFP shall contain, at a minimum, the following information:

1. If the RFP is for outside counsel, the name of the agency, if any, for which outside counsel is sought.

2. The nature of the project.

3. The anticipated number of hours that will be required, the beginning date, and the date the project is expected to be completed. If unknown or irrelevant, the RFP shall so state.

4. The number of attorneys, law firms, expert witnesses or providers of litigation support services that will be retained.

5. Whether there is a preference or requirement as to how services are to be billed, e.g., payment will be made from a maximum amount against which fees can be billed on an hourly basis, or through a lump sum for the entire project, or through a contingent fee arrangement, or through a set hourly fee.

6. Whether proposals will be accepted from law firms, associations of attorneys or law firms, or associations of expert witnesses or providers of litigation support services.

7. The criteria under which the proposals will be evaluated. The RFP will state the criteria in the order of importance in which the proposals will be evaluated, and the RFP will explicitly state that the criteria are listed in the order in which the proposals will be evaluated.

8. Examples of criteria include, but are not limited to:

a. Experience of the applicant attorney, law firm, or expert witness or provider of litigation support services on the type of project for which the RFP is issued.

b. If the RFP is for outside counsel, and the applicant is a law firm, each attorney in the firm that will be assigned to the project, and the experience on the type of project for which the RFP is issued of each attorney in the firm that will be assigned to the project.

c. Whether the applicant attorney, law firm, or expert witness or provider of litigation support services may associate himself or herself with other attorneys, law firms, expert witnesses, providers of litigation support services, or whether the Attorney General will require association. If the Attorney General requires association, a specification of who the attorney, law firm, expert witness, or provider of litigation support services will be what experience each has in projects of the type for which the RFP was issued, what each will contribute to the project, and the percentage of the project that will be performed by each.

d. Any potential conflicts in providing the services on the project or projects for which the RFP is issued.

e. The fee to be charged, and how it will be determined, e.g., hourly rate, hourly rate with minimum fee, hourly rate with maximum fee, lump sum payment. If the attorney, law firm, expert witness, or provider of litigation support services intends to associate with other attorneys, law firms, expert witnesses, or provider of litigation support services, the proposal should state whether the fees and costs quoted include those of the associated attorney, law firm, expert witness or provider of litigation support services, and, regardless of whether the proposal does or does not include their fees and costs, what their fees and costs would be expected to be for the project.

9. The date by which proposals must be received, and the date on which a decision can be expected to be announced.

10. The attorney, law firm, expert witness or provider of litigation support services whose proposal is determined to be most advantageous to the State, as determined by the Attorney General, and who accepts appointment by the Attorney General for the project, will be required to enter into a written agreement with the Attorney General's office within a reasonable time after the attorney, law firm, expert witness or provider of litigation support services has been notified that the Attorney General desires to retain their his or her services and the attorney, law firm, expert witness or provider of litigation support services has accepted.

11. The Attorney General reserves the right to reject late-filed or nonconforming proposals or any and all proposals.

12. The Attorney General shall notify all persons submitting proposals of the attorney, law firm, expert witness or provider of litigation support services selected, but after the date by which a decision can be expected, any person may call the Attorney General's office to learn who has been retained for the

project.

13. All information in all proposals, including the winning proposal, is and will remain closed from public inspection under section R105-1-14 of this rule.

C. The RFP shall be printed in the "Legal Notices" section of a newspaper of general circulation in the State at least two weeks before the proposals are due.

1. In the alternative, the Attorney General may, in his or her discretion, have printed in the "Legal Notices" section of a newspaper of general circulation at least three weeks before proposals are due a summary of the RFP, containing sufficient information to convey the nature of the project to a reader, and stating that a copy of the RFP will be sent upon request made to the Attorney General's office, and shall list the Attorney General's office address and phone number.

2. The times in subsection R105-1-6C of this rule may be shortened if the Attorney General determines in writing that the interests of the State will best be served by shortening the times.

D. The Attorney General will maintain a record of all attorneys, law firms, expert witnesses and providers of litigation support services who wish to receive copies of RFPs for outside counsel, expert witnesses or providers of litigation support services. To be placed on the list, the attorney, law firm, expert witness or provider of litigation support services shall submit to the Attorney General's office a written request, stating the name of the attorney, law firm, expert witness or provider of litigation support services and the area or areas in which the attorney or law firm would be qualified to serve as outside counsel, the expert witness would be qualified to serve as an expert witness, and provider of litigation support services would be qualified to provide those services. The Attorney General shall place the names of the attorney, law firm, expert witness or provider of litigation support services on the appropriate list. Whenever the Attorney General determines to issue an RFP for services in an area for which an attorney, law firm, expert witness or provider of litigation support services has previously submitted requests that their names be included on the list retained by the Attorney General's office for service, the Attorney General shall send, via first class mail, postage prepaid, a copy of the RFP to those persons.

R105-1-7. Small Purchases.

A. If the Attorney General determines, using the best information available, that the total of the fees for outside counsel, expert witnesses or providers of litigation support services for a project will be $10,000.00 or less, exclusive of costs, the Attorney General shall make a finding in writing to that effect.

B. Upon making the finding in writing required by subsection A of this rule, the Attorney General may appoint the attorney or law firm as outside counsel or the person as expert witness or provider of litigation support services without proceeding under section R105-1-6 of this rule.

C. The Attorney General shall appoint the attorney or law firm as outside counsel, or expert witness or provider of litigation support services, under this section, whose services, in the Attorney General's determination, would be most advantageous to the State and its agencies, and shall make a finding in writing to that effect.

D. Should the Attorney General, subsequent to appointing outside counsel, expert witnesses or providers of litigation support services under this section, determine or be informed that the actual fees that will be required for the project will exceed $10,000.00, exclusive of costs, before the outside counsel, expert witnesses or providers of litigation support services have rendered any services on the project, the Attorney General shall terminate the appointment under this section and shall proceed to select outside counsel, expert witnesses or providers of litigation support services pursuant to sections R105-1-6, R105-1-8, R105-1-9, or R105-1-10 of this rule as the Attorney General may determine under section R105-1-4 of this rule.

E. A project shall not be artificially divided so as to constitute more than one small purchase.

F. In appointing outside counsel, expert witnesses or providers of litigation support services under this section, the Attorney General shall also abide by section R105-1-11 of this rule, except that in matters involving $500.00 or less, the Attorney General may make purchases without complying with R105-1-6 or R105-1-11.

R105-1-8. Sole Source.

A. If the Attorney General determines after reasonable efforts to locate providers for a project, that there is only one attorney or law firm that could provide services as outside counsel, or only one person that could provide services as an expert witness or could provide other litigation support services, the Attorney General shall make a finding in writing to that effect.

B. Upon making the written finding required by subsection A of this rule, the Attorney General may appoint the attorney or law firm as outside counsel or the person as expert witness or provider of litigation support services without proceeding under section R105-1-6 of this rule.

C. In selecting and designating outside counsel, expert witnesses or providers of litigation support services under this section R105-1-8, the Attorney General shall negotiate the best terms possible for the State.

R105-1-9. Emergencies.

A. The Attorney General may appoint outside counsel, expert witnesses or providers of litigation support services without complying with section R105-1-6 of this rule if the Attorney General first determines, and makes a finding, in writing, based upon the best information available, that the health, safety or welfare of the State, any State agency, or any citizen of the State could be significantly affected, threatened or endangered, if:

1. The Attorney General were to proceed to retain outside counsel, expert witnesses or providers of litigation support services under the time constraints set forth in section R105-1-6 of this rule; or

2. The Attorney General were to publicly disclose RFP information and by doing so would cause situations such as hindering or impairing legal strategies and tactics, or causing harm to parties or potential parties to proceedings or to third persons, or causing harm to the State or a State agency.

B. In appointing outside counsel, expert witnesses or

providers of litigation support services under this section R105-1-9, the Attorney General shall also abide by section R105-1-11 of this rule.

R105-1-10. Waiver of Request for Proposals.

A. Pursuant to Utah Code Ann. Sec. 63-56-21(1) (Supp. 1986), the Attorney General may waive the requirement of requesting and receiving proposals if the Attorney General makes a finding in writing that it is not practicable or advantageous to the State to obtain outside counsel, expert witnesses or providers of legal services due to the following:

1. There exists an emergency or other need for immediate action by the Attorney General in obtaining those services; or

2. There is a need for confidentiality that could be compromised were the Attorney General to obtain these those services through requests for proposals.

B. In appointing outside counsel, expert witnesses or providers of litigation support services under this section R105-1-10, the Attorney General shall also abide by section R105-1-11 of this rule.

R105-1-11. Competitive Proposals for Small Purchases or Emergencies.

In appointing outside counsel, expert witnesses or providers of litigation support services under sections R105-1-7 or R105-1-9, the Attorney General shall still make appointments on a competitive basis insofar as possible. If practicable, the Attorney General shall at least do the following:

A. Call at least two attorneys, law firms, expert witnesses or providers of litigation support services, as the case may be, who the Attorney General determines are qualified to be appointed as outside counsel, expert witnesses or providers of litigation support services for the project.

B. Disclose information the Attorney General determines necessary for the attorney, law firm, expert witness or provider of litigation support services contacted to ascertain the nature of the services required and whether the attorney, law firm, expert witness or provider of litigation support services might have a conflict, are not qualified or are not available to serve on the project.

C. After determining that the attorney, law firm, expert witness or provider of litigation support services does not have a conflict and is qualified and available to serve on the project, the Attorney General may disclose enough information to allow the attorney, law firm, expert witness or provider of litigation support services to make a good faith estimate as to whether he or she could undertake the project and what the fees and costs would be.

R105-1-12. Proposals May Not Be Dependent on Proposals Submitted by Others.

Proposals received by the Attorney General, whether submitted in response to an RFP under section R105-1-6 of this rule, or whether submitted to the Attorney General under sections R105-1-7, R105-1-8, R105-1-9, or R105-1-10 of this rule, must stand alone and may not be dependent on proposals submitted by others submitting proposals, e.g., a proposal to perform services "for five percent less than the lowest fee received in any other proposal submitted". A proposal reliant upon the proposal submitted by another submitting a proposal will not be considered for appointment by the Attorney General.

R105-1-13. Contracts.

All attorneys, law firms or other persons retained under sections R105-1-6, R105-1-7, R105-1-8, R105-1-9 or R105-1-10 of this rule shall be required to enter into a written contract with the Attorney General and any person or agency the Attorney General may require. The written contract shall contain all terms set forth in:

A. The RFP, except to the extent the Attorney General has explicitly agreed those terms may be modified;

B. The proposal submitted to and accepted by the Attorney General, except to the extent the Attorney General explicitly has agreed those terms may be modified; and

C. Any terms required by law, whether by the constitutions, statutes, or rules or regulations of the United States or the State of Utah.

R105-1-14. Retention and Non-availability of Files.

A. All proposals submitted to the Attorney General under this rule become the property of the State of Utah and the office of the Attorney General.

B. All information in all proposals shall be placed in a file relating to the project for which the proposal was submitted. Each file shall contain:

1. If applicable, a copy of the finding in writing by the Attorney General that outside counsel, expert witnesses or providers of litigation support services may be obtained for the project under sections R105-1-7, R105-1-8, R105-1-9, or R105-1-10 of this rule; otherwise, a copy of the request for proposals and a copy of the affidavit of publication in the newspaper of general circulation.

2. All proposals received, and modifications, in writing, to any proposals if those modifications have been negotiated by the Attorney General.

3. A determination in writing by the Attorney General as to why a proposal was selected as being most advantageous by the State.

C. Information in the file shall not be open for public inspection.

D. After a reasonable period of time, which the Attorney General shall determine a file may be transferred to the State Archives, but the records in the file shall continue to be closed to public inspection.

KEY: attorneys, witnesses, litigation, government purchasing
December 17, 1996 67-5-5
Notice of Continuation October 5, 2001 63-56-1

R151. Commerce, Administration.
R151-33. Utah Athletic Commission Act Rules.
R151-33-101. Title.

These rules are known as the "Utah Professional Athletic Commission Act Rules."

R151-33-102. Definitions.

In addition to the definitions in Title 13, Chapter 33, and Section 102, UCA, the following definitions are adopted for the purpose of these rules:

(1) "Boxing" means the sport of attack and defense using the fist, covered by an approved boxing glove.

(2) "Designated commission member" means a member of the commission designated as the supervisor for a contest and responsible for the conduct of a contest, as assisted by other commission members, division personnel and others, as necessary and requested by the designated commission member.

(3) "Drug" means a controlled substance, as defined in Title 58, Chapter 37, Utah Controlled Substances Act, or alcohol.

(4) "Mandatory count of eight" means a required count of eight that is given by the referee of a contest to a professional contestant who has been knocked down.

(5) "Nominal value" means a retail value of less than $500.00.

(6) "Unprofessional conduct," is as defined in Section 13-33-102 (21)(a-f) of UCA. It is further defined in R151-33-304.

R151-33-201. Authority - Purpose.

These rules are adopted by the Commission under the authority of Section 13-33-201(2), UCA, to enable the Commission to administer Title 13, Chapter 33, UCA.

R151-33-301. Qualifications for Licensure.

(1) In accordance with Section 13-33-301(1) and (2), UCA, a license is required for a person to act as or to represent that the person is a promoter, manager, contestant, second, referee, or judge.

(2) A licensed manager shall not hold a license as a referee or judge.

(3) A promoter shall not be licensed as a referee, judge or professional contestant.

R151-33-302. Renewal Cycle - Procedure.

(1) In accordance with Subsection 13-33-302(1)(a), the renewal date for the two-year renewal cycle applicable to licensees under Title 13, Chapter 33 is established by rule in Section R151-33-302.

(2) Renewal procedures shall be in accordance with Section R151-33-302.

R151-33-303. Immediate License Suspension.

(1) In accordance with Subsection 13-33-303(6), UCA, the designated commission member may issue an order immediately suspending the license of a professional contestant upon a finding that the professional contestant presents an immediate and significant danger to the professional contestant, other professional contestants, or the public.

(2) The suspension shall be at such time and for such period as the division and commission believe is necessary to protect the health, safety, and welfare of the professional contestant, other professional contestants, or the public.

(3) A professional contestant whose license is immediately suspended may, within 30 days, challenge the suspension by submitting a written request for a hearing. The division shall convene the hearing as soon as is reasonably practical but not later than 20 days from the receipt of a written request, unless the division and the party requesting the hearing agree to conduct the hearing at a later date.

(4) The hearing shall be conducted as a formal adjudicative proceeding in accordance with the provisions of the Title 63, Chapter 46b, Utah Administrative Procedures Act, and department or division rules enacted thereunder.

(5) The presiding officers for the proceeding shall be as set forth in Section 58-1-109.

(6) Within a reasonable time after the hearing, the director shall issue an order in accordance with the requirements of Section 63-46b-10. The order of the director shall be considered final agency action with respect to the immediate license suspension and shall be subject to agency review in accordance with Section R151-46b-12.

R151-33-304. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) as a promoter, failing to promptly inform the division or the commission of all matters relating to the contest;

(2) as a promoter, substituting a professional contestant in the 24 hours immediately preceding the scheduled contest without approval of the division;

(3) violating the rules for conduct of contests set forth in R151-33-305 through R151-33-342;

(4) testing positive for drugs or alcohol in a random body fluid screen before or after participation in any contest;

(5) testing HIV positive;

(6) failing or refusing to comply with a valid order of a representative of the division; and

(7) signing a contract between a promoter and a professional contestant that is secret and that contradicts the terms of the contract or contracts which are filed with the division.

R151-33-305. Professional Boxing Weights and Classes.

(1) Boxing weights and classes are established as follows:
(a) Junior Flyweight: not over 108 lbs. or 48.988 kgs.
(b) Flyweight: not over 112 lbs. or 50.802 kgs.
(c) Bantamweight: not over 118 lbs. or 53.524 kgs.
(d) Jr. Featherweight: not over 122 lbs. or 55.338 kgs.
(e) Featherweight: not over 126 lbs. or 57.153 kgs.
(f) Jr. Lightweight: not over 130 lbs. or 58.967 kgs.
(g) Lightweight: not over 135 lbs. or 61.235 kgs.
(h) Jr. Welterweight: not over 140 lbs. or 63.503 kgs.
(i) Welterweight: not over 147 lbs. or 66.678 kgs.
(j) Jr. Middleweight: not over 154 lbs. or 69.853 kgs.
(k) Middleweight: not over 160 lbs. or 72.574 kgs.
(l) Supermiddleweight: not over 168 lbs. or 76.204 kgs.
(m) Lt. Heavyweight: not over 175 lbs. or 79.378 kgs.
(n) Cruiserweight: not over 190 lbs. or 86.18 kgs.
(o) Heavyweight: over 190 lbs. or 86.18 kgs.

(2) A professional contestant shall not fight another professional contestant who is outside of the professional contestant's weight classification unless prior approval is given by the division.

(3) The division shall not allow a contest in which the professional contestants are not fairly matched. In determining if professional contestants are fairly matched, the division shall consider all of the following factors with respect to the professional contestant:

(a) the win-loss record of the professional contestants;

(b) the weight differential;

(c) the caliber of opponents;

(d) each professional contestant's number of fights; and

(e) previous suspensions or disciplinary actions.

R151-33-306. Weighing In.

(1) Not less than six nor more than 24 hours before the start of a contest, the designated commission member shall weigh in each professional contestant in the presence of other professional contestants.

(2) Professional contestants shall be licensed at the time they are weighed in.

(3) Only those professional contestants who have been previously approved for the contest shall be permitted to weigh in.

(4) A professional contestant who has contracted to box in a given weight class shall not be permitted to compete if he or she exceeds that weight class at the weigh-in, unless the contract provides for the opposing professional contestant to agree to the weight differential. If the weigh-in is held the day before the contest and if the opposing professional contestant does not agree or the contract does not provide for a weight exception, the professional contestant may have two hours to attempt to lose not more than three pounds in order to be reweighed.

R151-33-307. Number of Rounds in a Bout.

(1) A contest bout shall consist of not less than four scheduled rounds. Three minutes of boxing shall constitute a round. There shall be a rest period of one minute between the rounds.

(2) A promoter shall contract with a sufficient number of professional contestants to provide a program consisting of at least 30, and not more than 56, scheduled rounds of boxing, unless otherwise approved by the division.

R151-33-308. Ring Dimensions and Construction.

(1) The ring shall be square and be not less than 16 feet nor more than 24 feet on a side measured within the ropes. The ring floor shall extend not less than 18 inches beyond the ropes. There shall be padding over the ring post if the ring posts are nearer than 18 inches to the ring ropes.

(2) The ring floor shall be padded with not less than a 5/8 of an inch base of ensolite or material with similar or superior shock absorbing and deceleration characteristics which is capable of reducing initial impact and which is approved by the division. The padding shall be placed on one inch of celotex building board or the equivalent. The padding shall extend beyond the ring ropes and over the edge of the platform and shall be covered with canvas, duck, or a similar material, but not plastic material, that is tightly stretched and laced securely in place under the apron. The corners of the ring shall be padded.

(3) Ring posts shall be not less than three, nor more than four inches, in diameter extending from the floor to a height of 58 inches above the floor of the ring. The ropes shall be connected to posts with the extension not shorter than 18 inches.

(4) The ring shall be not more than four feet high. Steps shall be provided for the use of professional contestants.

(5) The ring shall not have less than four ropes which can be tightened and which are not less than one inch in diameter. The ropes shall be evenly spaced, securely tied halfway between the ring posts, and wrapped in a soft material.

R151-33-309. Gloves.

(1) A professional contestant's gloves shall be examined before a contest by the referee and the designated commission member. If gloves are found to be broken or unclean or if the padding is found to be misplaced or lumpy, they shall be changed before the contest begins.

(2) A promoter shall be required to have on hand an extra set of gloves which are to be used if a professional contestant's gloves are broken or damaged during the course of a contest.

(3) Gloves for a main event may be put on in the ring after the referee has inspected the bandaged hands of both professional contestants.

(4) During a contest, male professional contestants shall wear gloves weighing not less than eight ounces each. Female professional contestants' gloves may be changed at the discretion of the designated commission member. The model and style of the gloves shall be approved before the contest by the designated commission member.

(5) The laces shall be tied on the outside of the back of the wrist of the gloves and shall be secured. The tips of the laces shall be removed.

R151-33-310. Bandage Specification.

(1) Except as agreed to by the managers of the professional contestants opposing each other in a contest, a professional contestant's bandage for each hand shall consist of soft gauze not more than 20 yards long and not more than two inches wide. The gauze shall be held in place by not more than eight feet of medical tape per hand.

(2) Bandages shall be adjusted in the dressing room under the supervision of a designated commission member.

(3) The use of water or any other substance other than medical tape on the bandages is prohibited.

R151-33-311. Mouthpieces.

A round shall not begin until the professional contestant's protective mouthpiece is in place. If, during a round, the mouthpiece falls out of the professional contestant's mouth, the referee shall, as soon as practicable, stop the bout and escort the professional contestant to his corner. The mouthpiece shall be rinsed out and replaced in the professional contestant's mouth and the contest shall continue. If the referee determines that the mouthpiece was intentionally spat out by the professional contestant, the referee may direct the judges to deduct points from the professional contestant's score for the round.

R151-33-312. Professional Contestant Use or Administration of any Substance.

(1) The use or administration of drugs, stimulants, or non-prescription preparations by or to a professional contestant during a contest is prohibited, except as provided in this rule.

(2) The giving of substances other than water to a professional contestant during the course of the contest is prohibited.

(3) The discretional use of petroleum jelly may be allowed around the eyes; however, the use of petroleum jelly, grease, or any other substance on the arms, legs, and body is prohibited.

(4) The discretional use of coagulants, adrenalin 1/1000, avetine, and thrombin, as approved by the division, may be allowed between rounds to stop the bleeding of minor cuts and lacerations sustained by a professional contestant. The use of monsel solution, silver nitrate, "new skin", flex collodion, or substances having an iron base is prohibited, and the use of such substances by a professional contestant is cause for immediate disqualification.

(5) The ringside physician shall monitor the use and application of any foreign substances administered to a professional contestant before or during a contest and shall confiscate any suspicious foreign substance for possible laboratory analysis, the results of which shall be forwarded to the division.

R151-33-313. Ringside Equipment.

(1) Each promoter shall provide all of the following:

(a) a sufficient number of buckets for use by the professional contestants;

(b) stools for use by the seconds;

(c) rubber gloves for use by the referees, seconds, ringside physicians, and division representatives;

(d) containers for professional contestants to spit in;

(e) a stretcher which is to be kept under the ring near the physician;

(f) a portable resuscitator with oxygen;

(g) an ambulance with attendants on site at all times when professional contestants are boxing. Arrangements shall be made for a replacement ambulance if the first ambulance is required to transport a professional contestant for medical treatment. The location of the ambulance and the arrangements for the substitute ambulance service shall be communicated to the physician;

(h) seats at ringside for the assigned officials. The physician shall be seated near the steps into the ring;

(i) seats at ringside for the designated commission member;

(j) scales for weigh-ins, which the division shall require to be certified;

(k) a gong;

(l) a public address system;

(m) a separate dressing room for each sex, if professional contestants of both sexes are participating;

(n) a separate room for physical examinations;

(o) a separate dressing room shall be provided for officials, unless the physical arrangements of the contest site make an additional dressing room impossible;

(p) adequate security personnel; and

(q) sufficient bout sheets for ring officials and the designated commission member.

(2) A promoter shall only hold contests in premises that conform to the laws, ordinances, and regulations regulating the city, town, or village where the bouts are situated.

(3) Restrooms shall not be used as dressing rooms and for physical examinations and weigh-ins.

R151-33-314. Boxing Officials.

(1) The officials for each contest shall consist of not less than the following:

(a) one referee;

(b) three judges;

(c) one timekeeper; and

(d) one physician licensed in good standing in Utah.

(2) A licensed referee, judge, or timekeeper shall not officiate at a contest that is not conducted under the authority or supervision of the designated commission member.

(3) A referee or judge shall not participate or accept an assignment to officiate when that assignment may tend to impair the referee's or judge's independence of judgement or action in the performance of the referee's or judge's duties.

(4) A judge shall be seated midway between the ring posts of the ring, but not on the same side as another judge, and shall have an unimpaired view of the ring.

(5) A referee shall not be assigned to officiate more than 32 scheduled rounds in one day, except when substituting for another referee who is incapacitated.

(6) A referee shall not wear jewelry that might cause injury to the professional contestants. Glasses, if worn, shall be protective athletic glasses or goggles with plastic lenses and a secure elastic band around the back of the head.

(7) Referees, seconds working in the corners, the designated commission member, and physicians may wear rubber gloves in the performance of their duties.

(8) No official shall be under the influence of alcohol or controlled substances while performing their duties.

R151-33-315. Contact During Contests.

(1) Beginning one minute before the first round begins, only the referee, professional contestants, and the chief second may be in the ring. The referee shall clear the ring of all other individuals.

(2) Once a contest has begun, only referees, professional contestants, seconds, judges, division representatives, physicians, the announcer and the announcer's assistants shall be allowed in the ring.

(3) The referee may order that the ring and technical area be cleared at any time either before, during or after a contest of any individual not authorized to be present in those areas.

(4) The referee, on his own initiative, or at the request of the designated commission member, may stop a bout at any time if individuals refuse to clear the ring and technical area, dispute a decision by an official, or seek to encourage spectators to object to a decision either verbally, physically, or by engaging in disruptive conduct. If the individual involved in disruptive conduct or encouraging disruptive conduct is the manager or second of a professional contestant, the referee may order points deducted from that professional contestant's score or disqualify

the professional contestant. If the conduct occurred after the decision was announced, the division may change the decision, declare no contest, or pursue disciplinary action against any licensed individual involved in the disruptive conduct.

R151-33-316. Referees.

(1) The chief official of a contest shall be the referee. The referee shall decide all questions arising in the ring during a contest which are not specifically addressed in these rules.

(2) The referee shall, before each contest begins, determine the name and location of the physician assigned to officiate at the contest and each professional contestant's chief second.

(3) At the beginning of each contest, the referee shall summon the professional contestants and their chief seconds together for final instructions. After receiving the instructions, the professional contestants shall shake hands and retire to their respective corners. The professional contestants shall not shake hands again until the beginning of the last round.

(4) Where difficulties arise concerning language, the referee shall make sure that the professional contestant understands the final instructions through an interpreter and shall use suitable gestures and signs during the contest.

(5) Except for the professional contestants, the referee, and the physician when summoned by the referee, a person shall not enter the ring, including the apron of the ring, during the progress of a round.

(6) If a professional contestant's manager or second steps into the ring or onto the apron of the ring during a round, the fight shall be halted and the referee may eject the manager or second from the ringside working area. If the manager or second steps into the ring or onto the apron a second time during the contest, the fight may be stopped and the decision awarded to the professional contestant's opponent due to disqualification.

(7) A referee shall inspect a professional contestant's body to determine whether a foreign substance has been applied.

(8) A referee shall not touch a professional contestant except on the failure of one or both professional contestants to obey the break command.

R151-33-317. Stalling or Faking.

(1) A referee shall warn a professional contestant if the referee believes the professional contestant is stalling or faking. If after proper warning, the referee determines the professional contestant is continuing to stall or pull his punches, the referee shall stop the bout at the end of the round.

(2) A referee may consult the judges as to whether or not the professional contestant is stalling or faking and shall abide by a majority decision of the judges.

(3) If it is determined that either or both professional contestants are stalling or faking, or if the professional contestant refuses to fight, the contest shall be terminated and announced as no contest.

(4) A professional contestant who falls down without being struck shall be immediately examined by a physician. After conferring with the physician, the referee may disqualify the professional contestant.

R151-33-318. Injuries and Cuts.

(1) When an injury or cut is produced by a fair blow and because of the severity of the blow the contest cannot continue, the injured professional contestant shall be declared the loser by technical knockout.

(2) If a professional contestant intentionally fouls his opponent and an injury or cut is produced, and due to the severity of the injury the professional contestant cannot continue, the professional contestant who commits the foul shall be declared the loser by disqualification.

(3) If a professional contestant receives an intentional butt or foul and the contest can continue, the referee shall penalize the professional contestant who commits the foul by deducting points based upon the severity of the offense. The referee shall notify the judges that the injury or cut has been produced by an intentional unfair blow so that if in the subsequent rounds the same injury or cut becomes so severe that the contest has to be suspended, the decision will be awarded as follows:

(a) a technical draw if the injured professional contestant is behind on points or even on a majority of scorecards; and

(b) a technical decision to the injured professional contestant if the injured professional contestant is ahead on points on a majority of the scorecards.

(4) If a professional contestant injures himself trying to foul his opponent, the referee shall not take any action in his favor, and the injury shall be considered as produced by a fair blow from his opponent.

(5) If a professional contestant is accidentally butted in a bout and can continue, the referee shall stop the action to inform the judges and acknowledge the butt. If in subsequent rounds, as a result of legal blows, the accidental butt injury worsens, the referee shall stop the bout and declare a technical decision with the winner being the professional contestant who is ahead on points on a majority of the scorecards. If a professional contestant is accidentally butted in a bout and an injury or cut is produced and due to the severity of the injury or cut the professional contestant cannot continue, the referee shall rule as follows:

(a) if the injury occurs in half or less of the scheduled rounds, call the bout a technical draw; or

(b) if the injury occurs after half the scheduled rounds, declare that the winner is the professional contestant who has a lead in points on a majority of the scorecards before the round of injury.

(6) If in the opinion of the referee, a professional contestant has suffered a dangerous cut or injury, or other physical or mental condition, the referee may stop the bout temporarily to summon the physician. If the physician recommends that the contest should not continue, then the referee shall order the contest to be terminated.

(7) A fight shall not be terminated because of a low blow. The referee may give a professional contestant not more than five minutes if the referee believes a foul has been committed. Each professional contestant shall be instructed to return to their respective corner by the referee. The professional contestants may sit on a stool and have their mouthpiece removed. After removing their professional contestant's mouthpiece, the seconds must return to their seats. The seconds may not coach, administer water, or in any other way attend to their professional contestant, except to replace the mouthpiece when the round is

ready to resume.

(8) If a professional contestant is knocked down or given a standing mandatory count of eight or a combination of either occurs three times in one round, the contest shall be stopped and a technical knockout shall be awarded to the opponent. The physician shall immediately enter the ring and examine the losing professional contestant.

(9) A physician shall immediately examine and administer aid to a professional contestant who is knocked out or injured.

(10) When a professional contestant is knocked out or rendered in an incapacitated condition, the referee or second shall not handle the professional contestant, except for the removal of a mouthpiece, unless directed by the physician to do so.

(11) A professional contestant shall not refuse to be examined by a physician.

(12) A professional contestant who has been knocked out shall not leave the site of the contest until one hour has elapsed from the time of the examination or until released by the physician.

(13) A physician shall file a written report with the division on each professional contestant who has been knocked out or injured.

R151-33-319. Knockouts.

(1) A professional contestant who is knocked down shall take a minimum mandatory count for eight.

(2) If a professional contestant is dazed by a blow and, in the referee's opinion, is unable to defend himself, the referee shall give a standing mandatory count of eight or stop the contest. If on the count of eight the professional contestant, in the referee's opinion, is unable to continue, the referee may count him out on his feet or stop the contest on the count of eight.

(3) In the event of a knockdown, the timekeeper shall immediately start the count loud enough to be heard by the referee, who, after waving the opponent to the farthest neutral corner, shall pick up the count from the timekeeper and proceed from there. The referee shall stop the count if the opponent fails to remain in the corner. The count shall be resumed when the opponent has returned to the corner.

(4) The timekeeper shall signal the count to the referee.

(5) If the professional contestant taking the count is still down when the referee calls the count of ten, the referee shall wave both arms to indicate that the professional contestant has been knocked out. The referee shall summon the physician and shall then raise the opponent's hand as the winner. The referee's count is the official count.

(6) If at the end of a round a professional contestant is down and the referee is in the process of counting, the gong indicating the end of the round shall not be sounded. The gong shall only be sounded when the referee gives the command to box indicating the continuation of the bout.

(7) In the final round, the timekeeper's gong shall terminate the fight.

(8) A technical knockout decision shall be awarded to the opponent if a professional contestant is unable or refuses to continue when the gong sounds to begin the next round. The decision shall be awarded in the round started by the gong.

(9) The referee and timekeeper shall resume their count at the point it was suspended if a professional contestant arises before the count of ten is reached and falls down again immediately without being struck.

(10) If both professional contestants go down at the same time, counting will be continued as long as one of them is still down or until the referee or the ringside physician determines that one or both of the professional contestants needs immediate medical attention. If both professional contestants remain down until the count of ten, the bout will be stopped and the decision will be scored as a double knockout.

R151-33-320. Professional Contestant Outside the Ring Ropes.

(1) A professional contestant who has been knocked, wrestled, pushed, or has fallen through the ropes during a contest shall not be helped back into the ring, nor shall he be hindered in any way by anyone when trying to reenter the ring.

(2) When one professional contestant has fallen through the ropes, the other professional contestant shall retire to the farthest neutral corner and stay there until ordered to continue the contest by the referee.

(3) The referee shall determine if the professional contestant has fallen through the ropes as a result of a legal blow or otherwise. In the event the referee determines the professional contestant fell through the ropes as a result of a legal blow, he shall warn the professional contestant that the professional contestant must immediately return to the ring. If the professional contestant fails to immediately return to the ring following the warning by the referee, the referee shall begin the count which shall be loud enough to be heard by the professional contestant.

(4) If the professional contestant enters the ring before the count of ten, the contest shall be resumed.

(5) If the professional contestant fails to enter the ring before the count of ten, the professional contestant shall be considered knocked out.

R151-33-321. Scoring.

(1) Officials who score a contest shall use the 10-point must system.

(2) For the purpose of this rule, the "10-point must system" means the winner of each round received ten points as determined by clean hitting, effective aggressiveness, defense, and ring generalship. The loser of the round shall receive less than ten points. If the round is even, each professional contestant shall receive not less than ten points. No fraction of points may be given.

(3) Officials who score the contest shall mark their cards in ink or in indelible pencil at the end of each round.

(4) Officials who score the contest shall sign their scorecards.

(5) At the conclusion of each contest, the judges shall total the points for each professional contestant and indicate the winner by writing the winner's name at the designated area on the card and circling the same name where it appears on the top of the card.

(6) When a contest is scored on the individual score sheets for each round, the referee shall, at the end of each round,

collect the score sheet for the round from each judge and shall give the score sheets to the designated commission member for computation.

(7) Referees and judges shall be discreet at all times and shall not discuss their decisions with anyone during a contest.

(8) A decision that is rendered at the termination of a boxing contest shall not be changed without a hearing, unless it is determined that the computation of the scorecards of the referee and judges shows a clerical or mathematical error giving the decision to the wrong professional contestant. If such an error is found, the decision may be changed by the division.

(9) The referee shall collect the score sheets from the judges and give them to the designated commission member for review. After the sheets have been reviewed, the referee shall collect them and give them to the announcer, who shall announce the decision to the spectators.

(10) After a contest, the scorecards shall be collected by the designated commission member and shall be maintained by the division.

(11) If a referee becomes incapacitated and is unable to complete the scoring of a boxing contest, a time-out shall be called and the other referee who is assigned to the contest shall assume the duties of the referee.

(12) If a judge becomes incapacitated and is unable to complete the scoring of a contest, a time-out shall be called and an alternate licensed judge shall immediately be assigned to score the contest from the point at which he assumed the duties of a judge. If the incapacity of a judge is not noticed during a round, the referee shall score that round and the substitute judge shall score all subsequent rounds.

R151-33-322. Fouls.

(1) A referee may disqualify or penalize a professional contestant by deducting one or more points from a round for the following fouls:

(a) holding an opponent or deliberately maintaining a clinch;

(b) hitting with the head, shoulder, elbow, wrist, inside or butt of the hand, or the knee.

(c) hitting or gouging with an open glove;

(d) wrestling, spinning or roughing at the ropes;

(e) causing an opponent to fall through the ropes by means other than a legal blow;

(f) gripping at the ropes when avoiding or throwing punches;

(g) intentionally striking at a part of the body that is over the kidneys;

(h) using a rabbit punch or hitting an opponent at the base of the opponent's skull;

(i) hitting on the break or after the gong has sounded;

(j) hitting an opponent who is down or rising after being down;

(k) hitting below the belt line;

(l) holding an opponent with one hand and hitting with the other;

(m) purposely going down without being hit or to avoid a blow;

(n) using abusive language in the ring;

(o) unsportsmanlike conduct on the part of the professional contestant or a second whether before, during, or after a round;

(p) intentionally spitting out a mouthpiece; or

(q) any backhand blow.

R151-33-323. Penalties for Fouling.

(1) A referee who penalizes a professional contestant pursuant to these rules shall notify the judges at the time of the infraction to deduct one or more points from their scorecards.

(2) A professional contestant committing a deliberate foul, in addition to the deduction of one or more points, may be subject to disciplinary action by the division.

(3) A judge shall not deduct points unless instructed to do so by the referee.

(4) The designated commission member shall file a complaint with the division against a professional contestant disqualified on a foul. The division shall withhold the purse until the complaint is resolved.

R151-33-324. Physical Examination.

(1) Not less than eight hours before a contest, each professional contestant shall be given a medical examination by a physician who is appointed by the designated commission member. The examination shall include a detailed medical history and a physical examination of all of the following:

(a) eyes;

(b) teeth;

(c) jaw;

(d) neck;

(e) chest;

(f) ears;

(g) nose;

(h) throat;

(i) skin;

(j) scalp;

(k) head;

(l) abdomen;

(m) cardiopulmonary status;

(n) neurological, musculature, and skeletal systems;

(o) pelvis; and

(p) the presence of controlled substances in the body.

(2) If upon examination a professional contestant is determined to be unfit for competition, the professional contestant shall be prohibited from competing and the division shall be notified.

(3) The physician shall certify, in writing, those professional contestants who are in good physical condition to compete.

(4) Before a bout a female professional contestant shall provide the ringside physician with the results of a pregnancy test performed on the professional contestant within the previous 14 days. If the results of the pregnancy test are positive, the professional contestant shall be prohibited from competing and the division shall be notified.

(5) A contest shall not begin until a physician and an attended ambulance are present. The physician shall not leave until the decision in the final contest has been announced and all injured professional contestants have been attended to.

(6) The physician shall sit near the steps into the ring and the contest shall not begin until the physician is seated. The

physician shall remain at that location for the entire fight.

R151-33-325. Timekeepers.

(1) A timekeeper shall indicate the beginning and end of each round by the gong.

(2) A timekeeper shall possess a whistle and a stopwatch.

(3) Ten seconds before the beginning of each round, the timekeeper shall warn the professional contestants' seconds of the time by blowing a whistle.

(4) If a contest terminates before the scheduled limit of rounds, the timekeeper shall inform the announcer of the exact duration of the contest.

R151-33-326. Announcer.

(1) At the beginning of a contest, the announcer shall announce that the bouts are under the auspices of the division.

(2) The announcer shall announce the names of the referee, judges, and timekeepers when the competitions are about to begin and also changes made in officials as the contest progresses.

(3) The announcer shall announce the names of all professional contestants, their weight, professional record, their city and state of residence, and country of origin if not a citizen.

R151-33-327. Seconds.

(1) A professional contestant shall not have more than four seconds, one of whom shall be designated as the chief second. The chief second shall be responsible for the conduct in the corner during the course of a contest. During the rest period, one second shall be allowed inside the ring, two seconds shall be allowed on the apron and one second shall be allowed on the floor.

(2) A professional contestant's chief second shall not coach the professional contestant during a round, the second shall remain seated during the round.

(3) A second shall not spray or throw water on a professional contestant during a round.

(4) A professional contestant's corner shall not heckle or in any manner annoy the opponent of the professional contestant or the referee or throw any object into the ring.

(5) A second shall not enter the ring until the timekeeper has indicated the end of a round.

(6) A second shall leave the ring at the timekeeper's whistle and shall clear the ring platform of all obstructions at the sound of the gong indicating the beginning of a round. Articles shall not be placed on the ring floor until the round has ended or the contest has terminated.

(7) A referee may eject a second from a ring corner for violations of the provisions of Subsections R151-33-316(6) and R151-33-315(4) of these rules and may have the judges deduct points from a professional contestants's corner.

(8) A second may indicate to the referee that the second's professional contestant cannot continue and that the contest should be stopped. Only verbal notification or hand signals may be used; the throwing of a towel into the ring does not indicate the defeat of the second's professional contestant.

(9) A second shall not administer alcoholic beverages, narcotics, or stimulants to a professional contestant, pour excessive water on the body of a professional contestant, or place ice in the trunks or protective cup of a professional contestant during the progress of a contest.

R151-33-328. Identification - Photo Identification Cards.

(1) Each professional contestant shall provide two pieces of identification to the designated commission member before participation in a fight. One of the pieces of identification shall be a recent photo identification card issued or accepted by the division at the time the professional contestant receives his original license.

(2) The photo identification card shall contain the following information:

(a) the professional contestant's license number;

(b) the professional contestant's name and address;

(c) the professional contestant's social security number;

(d) the personal identification number assigned to the professional contestant by a boxing registry;

(e) a photograph of the professional contestant; and

(f) the professional contestant's height and weight.

(3) The division shall honor similar photo identification cards from other jurisdictions.

(4) Unless otherwise approved by division, a professional contestant will not be allowed to compete if his photo identification card is incomplete or if the professional contestant fails to present the photo identification card to the designated commission member prior to the bout.

R151-33-329. Dress for Professional Contestants.

(1) Professional contestants shall be required to wear the following:

(a) trunks that are belted at the professional contestant's waistline. For the purposes of this subsection, the waistline shall be defined as an imaginary horizontal line drawn through the navel to the top of the hips. Trunks shall not have any buckles or other ornaments on them that might injure a professional contestant or referee;

(b) a foul-proof protector for male professional contestants and a pelvic area protector and breast protector for female professional contestants;

(c) shoes that are made of soft material without spikes, cleats, or heels;

(d) a fitted mouthpiece; and

(e) gloves meeting the requirements specified in Section R156-66-604e.

(2) In addition to the clothing required pursuant to Subsection R156-66-604y(1), a female professional contestant shall wear a body shirt or blouse without buttons, buckles, or ornaments.

(3) A professional contestant's hair shall be cut or secured so as not to interfere with the professional contestant's vision.

(4) A professional contestant shall not wear corrective lenses into the ring.

R151-33-330. Failure to Compete.

(1) A professional contestant's manager shall immediately notify the division if the professional contestant is unable to compete due to illness or injury in a contest for which the professional contestant has contracted to appear. A physician may be selected as approved by the division to examine the

professional contestant.

R151-33-331. Procedure After Knockouts or Sustained Damaging Head Blows.

(1) A professional contestant who has lost by a technical knockout shall not fight again for a period of 30 calendar days or until the professional contestant has submitted to a medical examination. The division may require such physical exams as necessary.

(2) A ringside physician shall examine a professional contestant who has been knocked out in a contest or a professional contestant whose fight has been stopped by the referee because the professional contestant received hard blows to the head that made him defenseless or incapable of continuing immediately after the knockout or stoppage. The ringside physician may order post-fight neurological examinations, which may include computerized axial tomography (CAT) scans or magnetic resonance imaging (MRI) to be performed on the professional contestant immediately after the professional contestant leaves the location of the contest. Post-fight neurological examination results shall be forwarded to the division by the ringside physician as soon as possible.

(3) A report that records the amount of punishment a fighter absorbed shall be submitted to the division by the ringside physician within 24 hours of the end of the fight.

(4) A ringside physician may require any professional contestant, who has sustained a severe injury or knockout in a bout, to be thoroughly examined by a physician within 24 hours of the bout. The physician shall submit his findings to the division. Upon the physician's recommendation, the division may prohibit the professional contestant from boxing until the professional contestant is fully recovered and may extend any such suspension imposed.

(5) All medical reports that are submitted to the division relative to a physical examination or the condition of a professional contestant shall be confidential and shall be open for examination only by the division, the commission and the licensed professional contestant upon the professional contestant's request to examine the records or upon the order of a court of competent jurisdiction.

(6) A professional contestant who has been knocked out or who received excessive hard blows to the head that made him defenseless or incapable of continuing shall not be permitted to take part in competitive or noncompetitive boxing for a period of not less than 60 days. Noncompetitive boxing shall include any contact training in the gymnasium. It shall be the responsibility of the professional contestant's manager and seconds to assure that the professional contestant complies with the provisions of this rule. Violation of this rule shall result in the indefinite suspension of the professional contestant and the professional contestant's manager or second.

(7) Before resuming boxing after any period of rest prescribed in Subsection R151-33-331(4), a professional contestant shall, following a neurological examination, be certified by a physician as fit to take part in competitive boxing. A professional contestant who fails to secure an examination prior to resuming boxing shall be automatically suspended until the results of the examination have been received by the division and the professional contestant is certified by a physician as fit to compete.

(8) A professional contestant who has lost six consecutive fights shall be prohibited from boxing again until the division in collaboration with the commission has reviewed the results of the six fights or the professional contestant has submitted to a medical examination by a physician.

(9) A professional contestant who has had cardiac surgery shall not be issued a license unless he is certified as fit to compete by a cardiovascular surgeon.

(10) A professional contestant who has suffered a detached retina shall be automatically suspended and shall not be reinstated until the professional contestant has submitted to a medical examination by an ophthalmologist and the division has reviewed the results of the examination.

(11) A female professional contestant with breast implants shall also be denied a license.

(12) A professional contestant who is prohibited from boxing in other states or jurisdictions due to medical reasons shall be prohibited from boxing in accordance with these rules. In considering prohibiting a professional contestant from boxing, the professional contestant's entire professional record shall be considered regardless of the state or country in which the professional contestant's fights occurred.

(13) A professional contestant or the professional contestant's manager shall report any change in a professional contestant's medical condition which may affect the professional contestant's ability to fight safely. The division may, at any time, require current medical information on any professional contestant.

R151-33-332. Waiting Period.

(1) The number of days which shall elapse before a professional contestant who has competed anywhere in a bout may participate in another bout shall be as follows:

TABLE

Length of Bout (In scheduled Rounds)	Required Interval (In Days)
4	3
5-9	5
10-12	7
13-15	14

R151-33-333. Managers.

(1) A manager shall not sign a contract for the appearance of a professional contestant if the manager does not have the professional contestant under contract.

R151-33-334. Promoters Responsibility in Arranging Contests - Restrictions.

(1) The promoter shall be held responsible for a contest in which one of the professional contestants is disproportionately outclassed.

(2) All officials shall be identified in the application for licensure as a contest promoter and shall be subject to division approval. Approval shall be based upon appropriate licensure if required and no evidence of a conflict of interest or previous inappropriate conduct as an official.

(3) A promoter shall file with the division an application to hold a contest not less than 30 days before the date of the proposed contest, or not less than seven days for televised

contests, before the date of the proposed contest. The application shall include the date, time and place of the contest and information concerning the on-site emergency facilities, personnel, and transportation.

(4) Prior to the scheduled time of the contest, the promoter shall have available for inspection the completed physical facilities which will be used directly or indirectly for the contest. The facilities will be inspected in the presence of the promoter or his authorized representative by the designated commission member and all deficiencies cited upon inspection shall be corrected before the contest.

(5) Within one hour after completion of the contest, the promoter, in the presence of the designated commission member, shall pay to each professional contestant, referee, judge, and the attending physician all amounts due and payable under the terms and conditions of contract terms or agreements between the promoter and other parties. Such payment shall be made in cash unless otherwise stated in the contract or if such payment will exceed $9,000.

(6) A promoter shall be responsible for verifying the identity, ring record, and suspensions of each professional contestant. A promoter shall be held responsible for the accuracy of the names and records of each of the participating professional contestants in all publicity or promotional material.

(7) A professional contestant shall use his own legal name to sign a contract. However, a professional contestant who is licensed under another name may sign the contract using his licensed name if the professional contestant's legal name appears in the body of the contract as the name under which the professional contestant is legally known.

(8) All contracts shall be between a promoter and a professional contestant. There shall not be a contract between the promoter and a manager. However, a contract may be signed by a professional contestant's manager on behalf of the professional contestant. If a professional contestant does not have a licensed manager, the professional contestant shall sign the contract.

(9) The contract that is filed with the division shall embody all of the agreements between the parties.

(10) The contract between a promoter and a professional contestant shall be for the use of the professional contestant's skills in a contest and shall not require the professional contestant to sell tickets in order to be paid for his services.

(11) The promoter of the contest, at the time of the contest weigh in, shall provide evidence of health insurance pursuant to Public Law 104272, "The Professional Boxing Safety Act of 1996."

R151-33-335. HIV and Drug Tests.

In accordance with Subsection 13-33-405, UCA, the following shall apply to drug testing:

(1) At the request of the division, the designated commission member or the ringside physician, a professional contestant or assigned official shall submit to a test of body fluids to determine the presence of drugs. The promoter shall be responsible for any costs of testing.

(2) A laboratory test that results in a finding of the presence of a drugs or the refusal of a professional contestant or assigned official to submit to the test shall be grounds for a suspension of the professional contestant's or assigned official's license as provided for by the division.

(3) If the test results in a finding of the presence of a drugs or if the professional contestant or assigned official is unable to provide a sample of body fluids for such a test, the division may take one or more of the following actions:

(a) immediately suspend the professional contestant's or assigned official's license in accordance with Section R151-33-303(6);

(b) stop the contest in accordance with Section R151-33-330(6); or

(c) initiate other appropriate licensure action in accordance with the provisions of Subsection 13-33-301.

(4) A professional contestant who is disciplined pursuant to the provisions of these rules and who was the winner of a contest shall be disqualified and the decision of the contest shall be changed to "no contest".

R151-33-336. Stopping a Contest.

In accordance with Subsection 13-33-102(14)(b), UCA, authority for stopping a contest is defined, clarified or established as follows:

(1) The referee may stop a contest to ensure the integrity of a contest or to protect the health, safety, and welfare of a professional contestant or the public for any one or more of the following reasons:

(a) injuries or cuts of a professional contestant, in accordance with R151-73-318, or other physical or mental conditions consistent with the procedures outlined in R151-33-318;

(b) one-sided nature of the contest;

(c) refusal or inability of a professional contestant to reasonably compete; and

(d) refusal or inability of a professional contestant to comply with the rules of the contest.

(2) If a referee stops a contest, the referee shall disqualify the professional contestant, where appropriate, and recommend to the designated commission member that the purse of that professional contestant be withheld pending an impoundment decision in accordance with Section 13-33-504, UCA.

(3) The designated commission member may stop a contest at any stage in the contest when there is a significant question with respect to the contest, the professional contestant, or any other licensee associated with the contest, and determine whether the purse should be impounded pursuant to Section 13-34-504, UCA.

R151-33-337. Tough Man Contests.

Except as provided in Section R151-33-328, the provisions of R151-33, the Utah Professional Athletic Commission Act Rules, including provisions for stopping contests and impounding purses, apply to a tough man contest.

R151-33-338. Limitations on Tough Man Contests.

Limitation on participation in a tough man contest shall include the following:

(1) A tough man contest must begin and end within a period of 48 hours.

(2) All matches in a tough man match must be scheduled

for no more than three rounds of boxing. A round must be one minute in duration.

(3) A tough man contestant shall wear 16 oz. boxing gloves, training headgear, a mouthpiece and a large abdominal groin protector during each match.

(4) A tough man contestant may participate in more than one match in a tough man contest, but a tough man contestant shall not box more than a total of 12 rounds in a tough man contest.

(5) The promoter of the tough man contest shall be required to supply at the time of the weigh in of the tough man contestants, a physical examination on each tough man contestant, conducted by a physician no more than 60 days prior to the tough man contest in a form provided by the division certifying that the tough man contestant is free from any physical or mental condition that indicates the tough man contestant should not engage in activity as a tough man contestant.

(6) The promoter of the tough man contest shall be required to supply at the time of the weight in of the tough man contestants, a HIV test pursuant to Subsections R151-33-339(1), (2), and (3) for each tough man contestant.

(7) Other limitations may be imposed by the Division in collaboration with the Utah Boxing Commission in advance of a tough man contest.

R151-33-339. HIV Testing.

In accordance with 13-33-405, UCA, provisions under which professional contestants shall produce evidence of a clear HIV test as a condition of participation in a contest are established as follows:

(1) All professional contestants and tough man contestants shall provide evidence in the form of a competent laboratory examination certificate verifying that the professional contestant is HIV negative at the time of the weigh-in.

(2) The examination certificate shall certify that the test results were completed within 60 days prior to the contest.

(3) Any professional contestant and tough man contestant whose HIV test is positive shall be prohibited from participating in a contest as a professional contestant or tough man contestant.

R151-33-340. Ultimate Fighting Prohibition.

In accordance with Subsections 13-33-402, UCA, and 13-33-402(2)(b), the license of any licensee who publicizes, promotes, conducts, or engages in an ultimate fighting match is subject to revocation.

R151-33-341. Withholding of a Purse.

The provisions set forth in 13-33-504, UCA, shall govern the conditions under which there shall be a withholding of the purpose, and the procedures to be followed in the event that the purse is withheld.

R151-33-342. Permit, Fee, and Bond Prerequisite to Holding Contest or Promotion.

Before a licensed promoter may hold a contest or single contest as part of a single promotion, his application must be accompanied by a fee determined by the department under 63-38-32. Before the permit is granted, the applicant shall post a surety bond with the commission in an amount equal to the actual purse or $10,000, whichever is greater.

R151-33-401. Martial Arts Contests and Exhibitions.

(1) All full-contact martial arts are forms of unarmed combat.

(2) The provisions pertaining to licenses, fees, dates of programs and disciplinary action in the laws and regulations of unarmed combat apply to contests or exhibitions of such martial arts.

(3) A contest or exhibition of a martial art must be conducted pursuant to the official rules for the particular art. The sponsoring organization or promoter must file a copy of the official rules with the commission before it will approve the holding of the contest or exhibition.

(4) The commission will not allow a martial arts contest or exhibition to be held if the rules submitted to it are inconsistent, in any way, with the Utah Professional Athletic Commission Act (UCA 13-33) or with the rules adopted by the commission for the administration of that act (R151-33).

R151-33-402. Wrestling Contests and Exhibitions.

(1) The provisions pertaining to licenses, fees, dates of programs and disciplinary action in the laws and regulations of unarmed combat apply to contests or exhibitions of wrestling.

(2) A contest or exhibition of wrestling must be conducted pursuant to the official rule of the particular sport. The sponsoring organization or promoter must file a copy of the official rules with the commission before it will approve the holding of the contest or exhibition.

(3) The commission will not allow a wrestling contest or exhibition to be held if the rules submitted to it are inconsistent, in any way, with the Utah Professional Athletic Commission Act (UCA 13-33) or with the rules adopted by the commission for the administration of that act (R151-33).

R151-33-403. Toughman Contests.

(1) The provisions pertaining to licenses, fees, dates of programs and disciplinary action in the laws and regulations of unarmed combat apply to Toughman contests.

(2) Toughman contests must be conducted pursuant to the official rule of the particular sport. The sponsoring organization or promoter must file a copy of the official rules with the commission before it will approve the holding of the Toughman contest.

(3) The commission will not allow a Toughman contest to be held if the rules submitted to it are inconsistent, in any way, with the Utah Professional Athletic Commission Act (UCA 13-33) or with the rules adopted by the commission for the administration of that act (R151-33).

R151-33-404. Ultimate Fighting Contests Prohibited.

(1) In accordance with Subsection 13-33-402(1) and 13-33-402(2)(b), the license of any licensee who publicizes, promotes, conducts, or engages in an ultimate fighting match shall be subject to revocation.

R152. Commerce, Consumer Protection.
R152-11. Utah Consumer Sales Practices Act.
R152-11-1. Purposes, Rules of Construction.

A. These substantive rules are adopted by the Director of the Division of Consumer Protection pursuant to Section 8 of Chapter 188 of the Laws of Utah, 1973 (Utah Consumer Sales Practices Act, Utah Code Annotated Section 13-11-1 et seq., as amended). Without limiting the scope of any section of the Utah Consumer Sales Practices Act or any other rule, these rules shall be liberally construed and applied to promote their purposes and policies. The purpose and policies of these rules are to:

(1) define with reasonable specificity acts and practices which violate Section 4 of the Utah Consumer Sales Practices Act.

(2) protect consumers from suppliers who engage in referral sellings, commit deceptive acts or practices, or commit unconscionable acts or practices.

(3) encourage the development of fair consumer sales practices.

(4) supplement and compliment any other rules promulgated by the State of Utah or any agency or subdivision thereof or any other governmental entity.

B. Definitions.

(1) "Advertisement" means any written, visual, or oral communication made to a consumer by means of newspaper, magazine, circular, billboard, direct mailing, sign, radio, television or otherwise, which identifies or represents the terms of any item of goods, service, franchise, distributorship or intangible which may be transferred in a consumer transaction.

(2) "Consumer Commodity" means any subject of a consumer transaction.

(3) "Fixture" or "Fixtures" means goods or products that are not readily removable from a permanent structure or land itself such as shingling, siding and or windows or other like improvements and which, when they thus become so related to particular real estate that an interest in them arises under real estate law.

(4) "Goods" mean all things which are movable at time of identification to the contract for sale other than the money in which the price is to be paid and things in action.

(5) "Service" means performance of labor or any act for the benefit of another.

(6) "Offer" means any attempt to effect, an offer to enter into a consumer transaction.

(7) "Product" means any goods, services, consumer commodity, or other property, both tangible and intangible (except securities and insurance) which is the subject or object of a consumer transaction.

(8) "Service" means performance of labor or any act for the benefit of another.

(9) All other terms used in these regulations shall carry the same meaning and definition as in the Utah Consumer Sales Practices Act unless otherwise specified, consistent with that Act.

R152-11-2. Exclusions and Limitations in Advertisement.

A. It is a deceptive act or practice for a supplier in connection with a consumer transaction, in the sale or offering for sale of a consumer commodity to make any offer in written or printed advertising or promotional literature without stating clearly and conspicuously in close proximity to the words stating the offer of any material exclusions, reservations, limitations, modifications, or conditions. The following are examples of the types of material exclusions, reservations, limitations, modifications, or conditions of offers which must be clearly stated:

(1) An advertisement for any consumer commodity not disclosing the amount of any additional charge for any of the features displayed or listed in the advertisement would be deceptive.

(2) An advertisement for an article of clothing must state that there is an additional charge for sizes above or below a certain size if such is the case.

(3) An advertisement which offers floor covering with an additional charge for room sizes above or below a certain size must disclose the nature and amount of additional charge.

(4) An advertisement for a consumer commodity sold from more than one outlet under the direct control of the supplier causing the advertisement to be made must state:

(a) Which outlets within the area served by the publication in which the advertisement appears either have or do not have certain features mentioned in the advertisement;

(b) Which outlets within the area served by the publication in which the advertisement appears charge rates higher than the rate mentioned in advertisement. For example:

TABLE

"Rug Shampooer - $15.00 a day at West 3rd Street South Office - all other locations are more."

(c) An advertisement for a consumer commodity sold from outlets not under the direct control of the supplier causing the advertisement to be made does not violate Section 2a(4)(a) or 2a(4)(b) of this rule if it states that the consumer commodity is available only at participating independent dealers.

(5) An advertisement for any consumer commodity requiring installation must reflect the exact price of the commodity and if the price includes installation or if installation is additional.

(6) If the advertised price is available only during certain hours of the day or certain days of the week that fact must be stated along with the hours and days the price is available.

(7) If the advertisement involves or pictures more than one consumer commodity (for example: a sofa, cocktail table and two commodes) and the advertised price applies only if the complete set is purchased, that fact must be stated.

(8) If there is a minimum amount (or maximum amount) that must be purchased for the advertised price to apply, that fact must be stated.

(9) If an advertisement specifies a price for a consumer commodity which includes a trade-in, that fact must be stated. For example: a 6 volt battery for $50.00 plus your old battery.

(10) If there are "additional" items that must be purchased for the advertised price to apply that fact must be so stated.

(11) These examples are intended to be illustrative only and do not limit the scope of any section of the Utah Consumer Sales Practices Act or of this or any other rule or regulation.

B. Offers made orally, such as through radio or television advertising, must include a conspicuously clear and oral statement of any material exclusions, reservations, modifications, or conditions.

C. If an error is made in advertising, either by pricing, wording, picture, or description, it shall be the responsibility of the supplier to retract or correct the error. A retraction is necessary when it cannot be shown that the error was due to the fault of the advertising medium. If it can be documented that the responsibility rests with the advertising medium, a retraction by the supplier is not necessary but the supplier may post a correction in close proximity to the merchandise which was advertised incorrectly.

R152-11-3. Bait Advertising/Unavailability of Goods.

A. Definitions: For the purposes of this rule, the following definitions shall apply:

(1) "Raincheck" means a written document evidencing a consumer's entitlement to purchase advertised items at an advertised price within the time limits set forth in paragraph d. of this rule.

(2) "Salesperson" means the supplier or his agent or employee who interacts personally or directly with a consumer in negotiating or effecting a consumer transaction.

B. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier to offer to sell consumer commodities when the offer is not a bona fide effort to sell the advertised consumer commodities. An offer is not bona fide if:

(1) A supplier uses a statement or illustration in any advertisement which would create in the mind of a reasonable consumer a false impression of the grade, quality, quantity, make, value, model, year, size, color, usability, or origin of the consumer commodities offered or which otherwise misrepresents the consumer commodities in such a manner that, on subsequent disclosure or discovery of the true facts, the consumer is diverted from the advertised consumer commodities to other consumer commodities. An offer is not bona fide, even though the true facts are made known to the consumer before he views the advertised consumer commodities, if the first contact or interview is secured by deception.

(2) A supplier discourages the purchase of the advertised consumer commodities in order to sell other consumer commodities. This does not however, prohibit the good faith recommendation concerning a different consumer commodity as it relates to a consumer's particular or unique needs or problems concerning the consumer commodity. The following are examples of acts or practices which raise a presumption that an offer to sell consumer commodities is not bona fide:

(a) Refusal to show, demonstrate, or sell the consumer commodities advertised in accordance with the terms of the advertisement;

(b) Disparagement by the supplier either by acts or words of the advertised consumer commodities or of the guarantee, credit terms, availability of service, repairs, or parts, or any other respects of the consumer commodities;

(c) The failure of a supplier to have available at all outlets under its direct control, or listed in the advertisement, a sufficient quantity of the advertised consumer commodities at the advertised price to meet reasonably anticipated demands, unless the advertisement clearly and adequately disclosed that there is a limited quantity of advertised consumer commodities available and/or that the consumer commodities are available only at the designated outlets;

(d) The failure to give rainchecks to consumers where the advertisement does not disclose that there is a limited quantity or availability of consumer commodities. Suppliers who clearly and consistently post a raincheck policy for public review shall be exempt from this section;

(e) The showing or demonstrating of defective, unusable, or impractical consumer commodities when such defective, unusable, or impractical nature is not fairly and adequately disclosed in the advertisement;

(f) The use of a sales plan or method of compensation for salesperson designed to prevent or discourage them from selling the advertised consumer commodity. This does not, however, prohibit the usual and reasonable use of commissions as a means of compensation;

(g) The demonstration of an advertised consumer commodity in such a manner that makes the commodity appear inferior.

(3) A supplier, in the event of a sale to the consumer of the offered consumer commodities, attempts to persuade a consumer to repudiate the purchase of the offered commodities and purchase other consumer commodities in their stead, by any means, including but not limited to the following:

(a) Accepting a consideration for the offered consumer commodities and then switching the consumer to other commodities;

(b) Delivering offered consumer commodities which are unusable or impractical for the purposes represented or materially different from the offered consumer commodities. The purchase on the part of some consumers of the offered consumer commodities is not in itself prima facie evidence that the offer is bona fide.

(4) A supplier represents in any advertisement, which would create in the mind of the consumer, a false impression that the offer of goods has been occasioned by a financial or natural catastrophe when such is not true.

(5) A supplier misrepresents the former price, savings, quality or ownership of any goods sold.

R152-11-4. Use of the Word "Free" etc.

A. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier to use the word "free" or other words of similar import or meaning, except when such representation is, in fact, the case and the cost of the "free" consumer commodity is not passed on to the consumer by raising the regular price of the consumer commodity that must be purchased in connection with the "free" offer.

(1) The meaning of "free".

(a) An offer of "free" consumer commodities is based upon a regular price for the merchandise or services which must be purchased by consumers in order to avail themselves of that which is represented to be "free." Such consumer commodities are not free if the supplier will directly and immediately recover, in whole or in part, the costs of the free consumer commodities by marking up the price of the other consumer commodities which must be purchased, by the substitution of inferior

consumer commodities, or otherwise.

(b) For the purpose of this rule, all references to the word "free" shall include within the term all other words of similar import and meaning. Representative of the word or words to which this rule is applicable would be the following: "free"; "buy one, get one free"; "two for one sale"; "50% off the purchase of two"; "gift"; "given without charge"; "bonus" or other words and terms which tend to convey to the consuming public the impression that an item of a consumer commodity is "free".

(2) The meaning of "regular price".

(a) The term "regular price" means the price in the same quantity, quality, and with the same service, at which the seller or advertiser of the consumer commodity has openly and actively sold the consumer commodity in the geographic market or trade area in which he is making a "free" or similar offer in the most recent and regular course of business for a reasonably substantial period of time. For consumer products or services which fluctuate in price, the "regular price" shall be the lowest price at which any substantial sales were made during the aforementioned period of time.

(b) Negotiated sales. If a consumer commodity usually is sold at a price arrived at through bargaining, rather than at a regular price, it is improper to represent that another consumer commodity is being offered "free" with the sale, unless the supplier is able to establish a mean, average price immediately prior to the free offer. The same representation is also improper where there may be a regular price, but where other material factors such as quantity, quality, or size are arrived at through bargaining.

(3) Frequency of offers.

(a) In order to establish a regular price over a reasonably substantial period of time, a single kind of consumer commodity should not be advertised with a "free" offer in a trade area for more than six months in any twelve-month period. At least 30 days should elapse before another such offer is promoted in the same trade area. No more than three such offers should be made in the same area in any twelve-month period.

B. Disclosure of Conditions. A "free" or similar offer is deceptive unless all the terms, conditions, and obligations upon which receipt and retention of the "free" item are contingent are set forth clearly and conspicuously at the outset of the offer so as to leave no reasonable probability that the terms of the offer might be misunderstood.

C. Combination Offer. This rule does not preclude the use of nondeceptive, "combination" offers in which two or more items of consumer commodities such as, but not limited to, toothpaste and a toothbrush, or soap and deodorant, or clothing and alterations are offered for sale as a single unit at a single state price, and, in which no representation is made that the price is being paid for one item and the other is "free." Similarly, suppliers are not precluded from settling a price for an item of consumer commodities which also includes furnishing the consumer with a second, distinct item of consumer commodities at one inclusive price if no presentation is made that the latter is free.

D. Introductory Offers. No "free" offers should be made in connection with the introduction of a new consumer commodity offered for sale at a specified price unless the offerer expects in good faith to discontinue the offer after a limited time and to commence selling the consumer commodity promoted separately, at the same price at which it was promoted with a "free" offer.

R152-11-5. Repairs and Service.

A. It shall be a deceptive act or practice in connection with a consumer transaction involving repairs or services for a supplier to:

(1) Fail to provide a written estimate of repair or inspection costs, in advance when anticipated charges exceed $25, which estimate lists the anticipated repairs, inspection or other services to be performed, the basis upon which the charges to the consumer will be made, and the reasonably expected completion date of such repairs, inspection or other services to be performed, including any charge for re-assembly of any parts disassembled in regards to the providing of such estimate, with authorization for such repairs, inspection or other services to be performed, after such written estimate is given, to be dated and evidenced by the signature of the consumer;

(2) Fail to obtain written authorization from the consumer for additional, unforeseen, but necessary, repairs when those repairs amount to ten percent (10%) or more (excluding tax) of the original estimate, with authorization for such to be dated and evidenced by the signature of the consumer;

(3) Fail to re-assemble any parts disassembled for inspection unless the consumer is so advised, prior to acceptance for inspection by supplier that there will be a charge for re-assembly of the parts or that it is not possible to re-assemble such parts;

(4) Charge for repairs which have not been authorized by the consumer;

(5) In the case of an in-home service call where the consumer had initially contacted the supplier, to fail to disclose before the supplier's repairman goes to the consumer's residence that a service or diagnostic charge will be imposed, even though no repairs may be effected;

(6) Represent that repairs are necessary when such is not the fact;

(7) Represent that repairs must be performed away from the consumer's residence when such is not the fact;

(8) Represent that repairs have been made when such is not the fact;

(9) Represent that the goods being inspected or diagnosed are in a dangerous condition or that the consumer's continued use of them may be harmful to him when such is not the fact;

(10) Intentionally understate or misstate materially the estimated cost of repair services;

(11) Fail to provide the consumer with an itemized list of repairs performed and the reason for such repairs, including:

(a) A list of parts and a statement of whether they are new, used, rebuilt, or after market, and the cost thereof to the consumer; and

(b) The number of hours of labor charged, apportioned for each part, service or repair, and the name or other reasonable means of identification of the mechanic or repairman performing the service, provided, however, that the requirements of (b) shall be satisfied by the statement of a flat rate price if such repairs are customarily done and billed on a

flat rate price basis and such has been previously disclosed to the consumer in writing.

(12) Fail to give reasonable written notice before repairs or services are provided, that replaced or repaired parts may be inspected or fail to allow the consumer to inspect replaced or repaired parts on request, unless:

(a) the parts are to be rebuilt or sold by the supplier and such intended reuse is made known to the consumer by written notice on the original estimate; or

(b) the parts are to be returned to the manufacturer or distributor under a written warranty agreement; or

(c) the parts are impractical to return to the consumer because of size, weight, or other similar factors; or

(d) the consumer waives the return of such parts in writing after repairs are completed and a total cost is presented.

(13) Fail to provide to the consumer a written, itemized receipt for any consumer commodities that are left with, or turned over to, the supplier for repairs or services. Such receipt shall include:

(a) The exact name and business address of the business entity (or person, if the entity is not a corporation or partnership) which will repair or service the consumer commodities.

(b) The name and signature of the person who actually takes the consumer commodities into custody.

(c) The name of any entity to whom such repairs or services are sublet including the address, phone number and a contact person at such entity.

(d) A description including make and model number or such other features as will reasonably identify the consumer commodities to be repaired or serviced.

R152-11-6. Prizes.

A. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier to notify in any way a consumer or prospective consumer that he has (1) won a prize or will receive anything of value, or (2) been selected, or is eligible, to win a prize or receive anything of value, if the receipt of the prize or thing of value is conditioned upon the consumer's listening to or observing a sales promotional effort or entering into a consumer transaction, unless the supplier clearly and explicitly discloses, at the time of notification of the prize, that an attempt will be made to induce the consumer or prospective consumer to undertake a monetary obligation irrespective of whether that obligation constitutes a consumer transaction. If a supplier states or implies a value to the prize or thing of value the true market value of such prize must be accurately stated. A supplier must further state that the prize or thing of value could not benefit the consumer or prospective consumer without the expenditure of the consumer's or prospective consumer's time or transportation expense, or that a salesman will be visiting the consumer's or prospective consumer's residence; if such is the case.

B. A statement to the effect that the consumer or prospective consumer must observe or listen to a "demonstration" or promotional effort in connection with a consumer transaction does not satisfy the requirements of this rule, unless it is reasonably clear from the information supplied to the consumer that the supplier is in the business of making consumer sales or that the intent is to encourage or induce the consumer to undertake a monetary obligation irrespective of whether that obligation constitutes a consumer transaction.

R152-11-7. New for Used.

A. Except as provided in Section 7c and d of this rule, it shall be a deceptive act or practice in connection with a consumer transaction for a supplier to represent, directly or indirectly, that an item of consumer commodity, or that any part of an item of consumer commodity, is new or unused when such is not the fact, or to misrepresent the extent of previous use thereof, or to fail to make clear and conspicuous disclosures, prior to time of offer, to the consumer or prospective consumer that an item of consumer commodity has been used.

B. For the purpose of this rule, "used" shall include rebuilt, re-manufactured, reconditioned consumer commodity or parts, thereof, or used either as a demonstrator or as a consumer commodity by a previous consumer.

C. For the purpose of this rule, a returned consumer commodity which has not been used by a previous purchaser, shall be considered new or unused.

D. The disclosure that an item of consumer commodity has been used or contains used parts as required by Section 7a may be made by use of words such as, but not limited to, "used"; "second hand"; "repaired"; "re-manufactured"; "reconditioned"; "rebuilt"; or "reline"; whichever is applicable to the item of consumer commodity involved.

R152-11-8. Substitution of Consumer Commodities.

A. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier to furnish similar consumer commodities of equal or greater value when there was no intention to ship, deliver or install the original consumer commodities ordered. The act of a supplier in furnishing similar merchandise of equal or greater value as a good faith substitute does not violate this rule if such substitution is first approved by the consumer.

B. For the purpose of this rule, consumer commodities may not be considered of "equal or greater value" if they are not substantially similar to the consumer commodity ordered, or are not fit for the purposes intended, or if the supplier normally offers the substituted consumer commodities at a lower price than the "regular price".

C. It will be assumed that a supplier had no intention to deliver, ship, or install the original ordered or substitute goods if the supplier fails to ship, deliver or install the goods within 30 days of the date of the order, purchase or of the notice of delay and fails to notify the purchaser of any delay or further delay; unless the supplier can show that it has made a good faith effort to ship, deliver or install the goods or to notify the purchaser of any delay or further delay within the prescribed period.

R152-11-9. Direct Solicitations.

A. It shall be a deceptive act or practice in connection with a consumer transaction involving any direct solicitation sale for a supplier to do any of the following:

(1) Solicit a sale without clearly, affirmatively, and expressly revealing at the time the seller initially contacts the consumer or prospective consumer, and before making any other statements or asking any questions, except for a greeting:

the name of the seller, the name or trade name of the company, corporation or partnership the seller represents, and stating in general terms the nature of the consumer commodities the seller wishes to show or demonstrate.

(2) Represent that the consumer or prospective consumer will receive a discount, rebate, or other benefit for permitting his home or other property, real or personal, to be used as a so-called "model home" or "model property" for demonstration or advertising purposes when such, in fact, is not true;

(3) Represent that the consumer or prospective consumer has been specially selected to receive a bargain, discount, or other advantage when such, in fact, is not true;

(4) Represent that the consumer or prospective consumer is a winner of a contest when such, in fact, is not true;

(5) Represent that the consumer commodities that are being offered for sale cannot be purchased in any place of business, but only through direct solicitation, when such, in fact, is not true;

(6) Represent that the salesman representative, or agent has authority to negotiate the final terms of a consumer transaction when such, in fact, is not true;

(7) Sell, lease, or rent consumer goods or services with a purchase price of $25 or more and fail to furnish the buyer with a fully completed receipt or copy of any contract pertaining to such sale at the time of its execution which is in the same language (e.g. Spanish) as that principally used in the oral sales presentation and which shows the date of the transaction and the name and address of the seller.

(8) Except as otherwise provided in the "Home Solicitations Sales Act", Section 70C-5-102(5) and or the "Telephone Fraud Prevention Act", Section 13-26-5, to fail to provide a notice of the buyer's right to cancel within three (3) business days at the time of purchase if the total of the sale exceeds $25, unless the supplier's cancellation policy is communicated to the buyer and the policy offers greater rights to the buyer than three days, which notice shall be in conspicuous statement written in dark bold at least 12 point type on the front page of the purchase documentation, and shall read as follows: "You, the Buyer, May Cancel This Transaction At Any Time Prior to Midnight of the Third Business Day (or Time Period Reflecting the Supplier's Cancellation Policy But Not Less Than Three Business Days) After the Date of This Transaction or Receipt of The Product, Whichever is Later."

(a) Paragraph (8) shall not apply to "fixture" solicitation sales where the supplier:

(i) automatically provides the buyer a right to cancel within three (3) or more business days from the time of purchase; or

(ii) automatically provides a refund for return of goods within three (3) or more business days from the time of purchase, but prior to installation as a fixture; or

(iii) supplies merchandise to a buyer without prior full payment and allows the buyer three (3) or more business days from the time of receipt of the merchandise, but prior to installation as a fixture to cancel the order and return the merchandise; or

(iv) discloses its refund/return policy in its advertising, catalog and contract, and that policy provides for a return of merchandise within a period of three (3) or more business days from the time of purchase, but prior to installation as a fixture or that policy indicates no return or refund will be offered or made on special merchandise (such as uniquely sized items, custom made or special ordered items); or

(9) Fail or refuse to honor any valid notice of cancellation by a consumer and within 30 business days after the receipt of such notice, to: (i) refund all payments made under the contract or sale; (ii) return any goods or property traded in, in substantially as good condition as when received by the supplier; (iii) cancel and return any negotiable instrument executed by the buyer in connection with the contract or sale and take any action necessary or appropriate to terminate promptly any security interest created in the transaction.

B. "Direct Solicitation" means solicitation of a consumer transaction initiated by a supplier, at the residence or place of employment of any consumer, and includes a sale or solicitation of sale made by the supplier by direct mail or telephone or personal contact at the residence or place of employment of any consumer. In the case of a subscription or club membership (e.g., tape, book, or record club) solicitation, "direct solicitation" means solicitation of the initial consumer transaction pursuant to a subscription or club membership agreement, made by the supplier at the residence or place of employment of any consumer, and includes a solicitation of an initial sale made by the supplier by direct mail or telephone or personal contact at the residence or place of employment of any consumer, but excludes all subsequent consumer transactions which are provided for in the subscription or club membership agreement.

C. "Time of Purchase" is defined as the day on which the buyer signs an agreement or accepts an offer to purchase consumer goods or services where the total of the sale is $25 or more.

R152-11-10. Deposits and Refunds.

A. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier to accept a deposit unless the following conditions are met:

(1) The deposit obligates the supplier to refrain for a specified period of time from offering for sale to any other person the consumer commodities in relation to which the deposit has been made by the consumer if such consumer commodities are unique; provided that a supplier may continue to sell or offer to sell consumer commodities on which a deposit has been made if he has available sufficient consumer commodities to satisfy all consumers who have made deposits;

(2) All deposits accepted by a supplier must be evidenced by dated receipts stating the following information:

(a) Description of the consumer commodity, (including model, model year, when appropriate, make, and color);

(b) The cash selling price;

(c) Allowance on the consumer commodity to be traded in, if any;

(d) Time during which the option is binding;

(e) Whether the deposit is refundable and under what conditions; and

(f) Any additional cost such as delivery charge.

(3) For the purpose of this rule "deposit" means any payment in cash, or of anything of value or an obligation to pay

including, but not limited to, a credit device transaction incurred by a consumer as a deposit, refundable or non-refundable option, or as partial payment for consumer commodities.

B. It shall be a deceptive act or practice in connection with a consumer transaction when the consumer can provide reasonable proof of purchase from a supplier for the supplier to refuse to give refunds for:

(1) Used, damaged or defective consumer commodities, unless they are clearly marked "as is" or with some other conspicuous disclaimer of any implied or express warranty, and also clearly marked that no refund will be given; or

(2) Non-used, non-damaged or non-defective goods unless:

(a) Such non-refund, exchange or credit policy, including any applicable restocking fee, is clearly indicated by a sign posted at the point of display, the point of sale, the store entrance, or through adequate verbal or written disclosure if the transaction occurs through the mail, over the telephone, via facsimile machine, via e-mail, or over the Internet; or

(b) The consumer commodities are food, perishable items, merchandise which is substantially custom made or custom finished.

(3) For the purpose of this rule "refund" means cash if payment were made in cash provided that if payment were made by check the refund may be delayed until the check has cleared; and further provided that if payment were made by debit to a credit card or other account, then refund may be made by an appropriate credit or refund pursuant to the applicable law.

C. It shall be a deceptive act or practice in connection with a consumer transaction for a supplier who has accepted a deposit and has received from the consumer within a reasonable time a valid request for refund of the deposit to fail to make the refund within 30 business days after receipt of such request.

(1) In determining the amount required to be refunded under this rule, the supplier may take into consideration the nature of the commodity returned, the condition of the commodity returned, shipping charges if agreed to and any lawful restocking fee.

(2) For purposes of this rule,"reasonable time" means within 30 days of the date of the deposit unless a longer period is justified due to the nature of the commodity returned or any agreement between the parties.

D. No deposit accepted by a supplier to secure the value of equipment or materials provided to a consumer for the consumer's use in any business opportunity where it is anticipated by either the consumer or the supplier that some remuneration will be paid to the consumer for services or goods supplied to the supplier or to some third party in the behalf of the supplier shall exceed the actual cost of the supplies or equipment paid by the supplier or any person acting on behalf of the supplier.

R152-11-11. Franchises, Distributorships, Referral Sales.

A. Definitions. As used in this chapter, the following words and terms shall have the following meanings, unless some other meaning is plainly indicated:

(1) "Referral Selling" means any consumer transaction where the seller gives or offers a rebate or discount to the buyer as an inducement for a sale in consideration of the buyer's providing the seller with the names of prospective purchasers.

(2) The term "franchise or distributorship" means a contract or agreement requiring substantial capital investment, either expressed or implied, whether oral or written, between two or more persons:

(a) Wherein a commercial relationship of definite duration or continuing indefinite duration is involved;

(b) Wherein the purchaser, is granted the right to offer, sell and distribute consumer commodities manufactured, processed, distributed or, in the case of services, organized and directed by the seller; and the purchaser has not been previously engaged in such business opportunity;

(c) Wherein the franchise or distributorship as an independent business constitutes a component of seller's distribution system; or

(d) Wherein the operation of the purchaser's business is substantially reliant on sellers for the basic supply of consumer commodities.

B. Franchises and Distributorships. It shall be an unfair or deceptive act or practice for any person in the trade or commerce of establishing a franchise, distributorship to:

(1) Misrepresent the prospects or chances for success of a proposed or existing franchise or distributorship;

(2) Misrepresent by failure to disclose or otherwise, the known required total investment for such franchise or distributorship;

(3) Misrepresent or fail to disclose efforts to sell or establish more franchises or distributorships than is reasonable to expect the market or market area for the particular franchise or distributorship to sustain;

(4) Misrepresent the quantity or quality of the products to be sold or distributed through the franchise or distributorship;

(5) Misrepresent the training and management assistance available to the franchise or distributorship;

(6) Misrepresent the amount of profits, net or gross, the franchisee can expect from the operation of the franchise or distributorship;

(7) Misrepresent the size, choice, potential or demographic feature of a franchise territory or misrepresent the number of present or future franchises or distributorships within the franchise territory;

(8) Misrepresent by failure to disclose or otherwise, the termination, transfer or renewal provision of a franchise or distributorship agreement;

(9) Falsely claim or infer that a primary marketer of trademark products or services sponsors or participates directly or indirectly in the franchise or distributorship operation;

(10) Assign a so-called exclusive territory encompassing the same area to more than one franchise;

(11) Provide vending locations for which written authorizations have not been granted by the property owners or lessees of the premises;

(12) Provide vending machines or displays of a brand or kind different from or inferior to those promised by the seller;

(13) Fail to provide to the purchaser a written contract which includes the following provisions:

(a) The total financial obligation of the purchaser to the seller;

(b) The date of delivery of the purchaser consumer

commodity to the purchaser if the seller is responsible for delivery of such consumer commodity;

(c) The description and quantity of consumer commodities to be delivered to the purchaser if the seller is responsible for delivery of such consumer commodities; and

(d) All other disclosures and provisions required in the preceding subsections;

(14) Fail to honor his contract as required in this section with the purchaser.

R152-11-12. Negative Options.

A. Definitions:

1. A "negative option plan" means a contract under which a supplier either:

a. sends to a consumer an announcement, advertisement or notice that:

i. the supplier proposes to send goods or provide services to the consumer (other than periodic supplements to previously acquired merchandise), and

ii. the consumer is required to pay for those goods or services unless the consumer affirmatively communicates that he refuses to accept the goods or services; or

b. sends to a consumer a notice accompanying goods or services provided to the consumer that requires or purports to require that the consumer pay for those goods or services unless the customer affirmatively communicates that he refuses to accept the goods or services.

2. "Contract" includes, but is not limited to, any contract, marketing plan, arrangement or agreement between a supplier and a consumer.

B. Except as provided in paragraph C herein, the following acts or practices constitute a deceptive or unconscionable act or practice:

1. a supplier sends goods or provides services to a consumer pursuant to a negative option plan;

2. a supplier interrupts, terminates, cancels or denies delivery of or provision of goods or services previously contracted for to a consumer solely on the basis that the consumer has not paid for or returned to the supplier goods or services which the consumer has not ordered, requested or authorized from the supplier.

C. Negative option plans do not constitute deceptive or unconscionable acts or practices if:

1. the supplier first receives specific approval, in writing and signed by the consumer, to send goods or services pursuant to a negative option plan.

a. The "specific approval" referred to in subparagraph B.1. of this rule shall be in writing and shall include the signature of the consumer.

b. The supplier shall maintain the original signed written consent of the consumer for a period of at least five (5) years after the date of signing or two (2) years after termination of the contract or agreement, whichever is longer; and

2. The following disclosures, or disclosures substantially similar to the following, are on the face of the contract or document evidencing the negative option plan and provided to the consumer before the consumer approves of the plan:

a. in bolded type which is 10 points or larger, that the transaction includes a "NEGATIVE OPTION PLAN"; and

b. the terms and conditions under which the negative option may be exercised, clearly and understandably stated; and

c. near the signature of the person entering into the consumer transaction, in bold type which is 10 points or larger: "I UNDERSTAND THAT THIS CONSUMER TRANSACTION INVOLVES A NEGATIVE OPTION, AND THAT I MAY BE LIABLE FOR PAYMENT OF FUTURE GOODS AND SERVICES UNDER THE TERMS OF THIS AGREEMENT IF I FAIL TO NOTIFY THE SUPPLIER NOT TO SUPPLY THE GOODS OR SERVICES DESCRIBED."

R152-11-13. Travel Packages.

(1) This rule is authorized by Subsection 13-11-8(2). The purpose of this rule is to define one type of conduct that violates Subsection 13-11-4(1).

(2) It shall be a deceptive act or practice for a supplier to offer, knowingly or intentionally, a reduced rate travel package which:

(a) is tendered to a consumer as an incentive for the performance of some act the consumer has no legal obligation to perform;

(b) is subject to redemption rules the violation of which will result in a default which discharges the supplier's obligation to perform under such rules; and

(c) is structured so that the supplier will only realize a profit if a majority of the consumers who receive reduced rate travel package default.

(3)(a) For a supplier to be held liable under this rule, it is not necessary that he contract directly with a consumer for a reduced rate travel package. It is a sufficient basis for liability for the supplier to offer such a package to any person knowing that a consumer eventually will look to him for performance.

(b) A supplier acts deceptively required by Subsection 13-11-4(2) when he consciously engages in conduct which constitutes a deceptive act or practice, even if he is unaware that such conduct is unlawful.

(4) The definitions appearing in Section 13-11-3 shall apply to this rule, with the following additional definitions:

(a) "reduced rate" means the payment of funds, whether styled as fees, taxes, a discounted payment, or otherwise, which is less than the fair market value of the travel package offered by a supplier; and

(b) "travel package" means air, land, or sea transportation, with or without lodging, for pleasure or business purpose within the scope of the term "consumer transaction".

KEY: advertising, bait and switch, consumer protection
October 26, 2001 63-46a-3
Notice of Continuation September 11, 1997 13-2-5
13-11

R156. Commerce, Occupational and Professional Licensing.
R156-11a. Cosmetologist/Barber, Esthetician, Electrologist, and Nail Technician Licensing Act Rules.
R156-11a-101. Title.

These rules are known as the "Cosmetologist/Barber, Esthetician, Electrologist, and Nail Technician Licensing Act Rules."

R156-11a-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 11a, as used in Title 58, Chapters 1 and 11a or these rules:

(1) "Advanced pedicures", as used in Subsection 58-11a-102(27)(a)(i)(D), means cleaning, trimming and caring of the nail, cuticles, and calluses of the feet utilizing various equipment, instruments, implements as well as topical products and preparations.

(2) "BCA acid" means bicloroacetic acid.

(3) "Being engaged in the practice of esthetics", as used in Subsections 58-11a-302(7)(d)(iii) and (iv), means having been engaged in a scope of practice that includes at least 50% of the modalities listed in Subsection 58-11-102(25).

(4) "Being engaged in the practice of master esthetics", as used in Subsections 58-11a-302(8)(d)(iii) and (v), means having been engaged in a scope of practice that includes at least 50% of the modalities listed in Subsection 58-11a-102(27).

(5) "Body wraps", as used in Subsection 58-11a-102(27)(a)(i)(A), means body treatments utilizing products or equipment to enhance and maintain the texture, contour, integrity and promote the health of the skin and body.

(6) "Chemical exfoliation", as used in Subsection 58-11a-102(27)(a)(i)(C), means a resurfacing procedure performed with a chemical solution or product for the purpose of removing superficial layers of the epidermis to a point no deeper than the stratum corneum.

(7) "Dermabrasion or open dermabrasion" means the surgical application of a wire or diamond frieze by a physician to abrade the skin to the epidermis and possibly down to the papillary dermis.

(8) "Dermaplane" means the use of a scalpel or bladed instrument by a physician to shave the upper layers of the stratum corneum.

(9) "Equivalent number of credit hours" means:

(a) the following conversion table if on a semester basis:

(i) theory - 1 credit hour - 30 clock hours;

(ii) practice - 1 credit hour - 30 clock hours; and

(iii) clinical experience - 1 credit hour - 45 clock hours; and

(b) the following conversion table if on a quarter basis:

(i) theory - 1 credit hour - 20 clock hours;

(ii) practice - 1 credit hour - 20 clock hours; and

(iii) clinical experience - 1 credit hour - 30 clock hours.

(10) "Exfoliation" means the sloughing off of non-living skin cells by very superficial and non-invasive means.

(11) "Galvanic current" means a constant low-voltage direct current.

(12) "Health care practitioner" means a physician/surgeon licensed under Title 58, Chapter 67, Utah Medical Practice Act, or Title 58, Chapter 68, Utah Osteopathic Medical Practice Act, an advanced practice registered nurse licensed under Title 58, Chapter 31b, Nurse Practice Act, or a physician assistant licensed under Title 58, Chapter 70, Physician Assistant Act.

(13) "Hydrotherapy", as used in Subsection 58-11a-102(27)(a)(i)(B), means the use of water for cosmetic purposes or beautification of the body.

(14) "Limited chemical exfoliation" means an extremely gentle chemical exfoliation.

(15) "Manipulating", as used in Subsection 58-11a-102(25)(a), means applying a light pressure by the hands to the skin.

(16) "Manual lymphatic massage", as used in Subsection 58-11a-102(25)(b), means a method using light pressure applied by manual or other means to the skin in specific maneuvers to promote drainage of the lymphatic fluid through the tissue.

(17) "Microdermabrasion", as used in Subsection 58-11a-102(27)(a)(i)(E), means a gentle, progressive, superficial, mechanical exfoliation of the uppermost layers of the stratum corneum using a closed-loop vacuum system.

(18) "Patch test" or "predisposition test" means applying a small amount of a chemical preparation to the skin of the arm or behind the ear to determine possible allergies of the client to the chemical preparation.

(19) "Supervision by a licensed health care practitioner" means a health care practitioner who, acting within the scope of the licensee's license, authorizes and directs the work of a licensee pursuant to this chapter in the treatment of a patient of the health care practitioner while:

(a) the health care practitioner is physically located on the premises and is immediately available to care for the patient if complications arise; or

(b) the patient is physically located on the premises of the health care practitioner.

(20) "TCA acid" means trichloroacetic acid.

(21) "Unprofessional conduct" is further defined, in accordance with Subsection 58-1-203(5), in Section R156-11a-501.

R156-11a-103. Authority - Purpose.

These rules are adopted by the division under the authority of Subsection 58-1-106(1) to enable the division to administer Title 58, Chapter 11a.

R156-11a-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is as described in Section R156-1-107.

R156-11a-301. Change of Legal Entity.

In accordance with Section 58-11a-301, a school shall be required to submit a new application for licensure upon any change of legal entity status. The new legal entity may not engage in practice as a licensed school, pursuant to Subsections 58-11a-102(14), (15), (16), and (17), until the application is approved and a license issued.

R156-11a-302a. Qualifications for Licensure - Examination Requirements.

In accordance with Section 58-11a-302, the various examination requirements for licensure are established as follows:

(1) Applicants for licensure as a cosmetologist/barber shall:

(a) pass the Utah Law and Rules Examination with a score of at least 75%;

(b)(i) pass the Utah Cosmetology/Barber Theory Exam with a score of at least 75%; or

(ii) pass the National-Interstate Council of State Boards of Cosmetology National examination with a passing score as established by the Council of State Boards of Cosmetology; and

(c)(i) pass the Utah Cosmetology/Barber Practical Exam or an equivalent exam as established by the Division in collaboration with the Board; or

(ii) have practiced as a licensed cosmetologist/barber in another state for a period of not less than 4,000 hours.

(2) Applicants for licensure as a cosmetologist/barber instructor shall pass the following:

(a) the Utah Cosmetologist/Barber Instructor Licensing Examination with a passing score of at least 75%; and

(b) the Utah Law and Rules Examination with a passing score of at least 75%.

(3) Applicants for licensure as an electrologist shall pass the following:

(a)(i) the National-Interstate Council of State Boards of Cosmetology Electrologist test with a passing score as established by the Council of State Boards of Cosmetology; or

(ii) the Utah Electrologist Theory Examination;

(b) the Utah Law and Rules Examination with a passing score of at least 75%; and

(c) the Utah Electrology Practical Examination.

(4) Applicants for licensure as an electrologist instructor shall pass the following:

(a) the Utah Electrologist Instructor Examination with a passing score of at least 75%; and

(b) the Utah Law and Rules Examination with a passing score of at least 75%.

(5) Applicants for licensure as an esthetician shall pass the following:

(a) if applying for licensure under Subsections 58-11a-302(7)(d)(i) or (ii):

(i) the Utah Law and Rules Examination with a passing score of at least 75%;

(ii) (A) the Utah Esthetics Theory Examination with a passing score of at least 75%; or

(B) the National-Interstate Council of State Board of Cosmetology National Esthetics examination with a passing score as established by the Council of State Boards of Cosmetology; and

(iii) the Utah Esthetics Practical Examination or an equivalent exam as established by the Division in collaboration with the Board;

(b) if applying for licensure under Subsections 58-11a-302(7)(d)(iii) or (iv), no examination is required; or

(c) if applying for licensure under Subsection 58-11a-302(7)(d)(v):

(i) the Utah Esthetics Theory Examination with a passing score of at least 75%; or

(ii) the National-Interstate Council of State Boards of Cosmetology National Esthetics examination with a passing score as established by the Council of State Boards of Cosmetology.

(6) Applicants for licensure as a master esthetician shall pass the following:

(a) if applying for licensure under Subsections 58-11a-302(8)(d)(i) or (ii):

(i) the Utah Law and Rules Examination with a passing score of at least 75%;

(ii) the Utah Master Esthetician Theory Examination with a passing score of at least 75%; and

(iii) the Utah Master Esthetician Practical Examination or an equivalent exam as established by the Division in collaboration with the Board;

(b) if applying for licensure under Subsections 58-11a-302(8)(d)(iii) or (iv), no examination is required; or

(c) if applying for licensure under Subsection 58-11a-302(8)(d)(v), the Utah Master Esthetician Theory Examination.

(7) Applicants for licensure as an esthetician instructor shall pass the following:

(a) the Utah Esthetician Instructor Examination with a passing score of at least 75%; and

(b) the Utah Law and Rules Examination with a passing score of at least 75%.

(8) Applicants for licensure as a Nail Technician shall pass the following:

(a) if applying for licensure under Subsections 58-11a-302(11)(d)(i) or (ii):

(i) the Utah Law and Rules Examination with a passing score of at least 75%;

(ii)(A) the Utah Nail Technician Theory Examination with a passing score of at least 75%; or

(B) the National-Interstate Council of State Boards of Cosmetology National Nail Technician Examination with a passing score as established by the Council of State Boards of Cosmetology; and

(iii) pass the Utah Nail Technician Practical Examination or an equivalent exam as established by the Division in collaboration with the Board;

(b) if applying for licensure under Subsections 58-11a-302(11)(d)(iii) or (iv), no examination is required; or

(c) if applying for licensure under Subsection 58-11a-302(11)(d)(v):

(i) the Utah Nail Technician Theory Examination with a passing score of at least 75%; or

(ii) the National-Interstate Council of State Boards of Cosmetology National Nail Technician Examination with a passing score as established by the Council of State Boards of Cosmetology.

(9) Applicants for licensure as a nail technician instructor shall pass the following:

(a) the Utah Nail Technician Instructor Examination with a passing score of at least 75%; and

(b) the Utah Law and Rules Examination with a passing score of at least 75%.

R156-11a-302b. Deadline for Making Application under Grandfather Clause.

Applicants for licensure under the grandfather provisions in Subsections 58-11a-302(7)(d)(iii), (iv), and (v); (8)(d)(iii), (iv), and (v); and (11)(d)(iii), (iv), and (v) must apply for

licensure on or before December 31, 2001. Thereafter, all applicants must meet all requirements for initial licensure including those established in Subsections 58-11a-302(7)(d)(i) and (ii), 58-11a-302(8)(d)(i) and (ii) or 58-11a-302(11)(d)(i) and (ii), respectively.

R156-11a-303. Renewal Cycle - Procedures.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two year renewal cycle applicable to licenses and certificates under Title 58, Chapter 11a is established by rule in Section R156-1-308.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

R156-11a-502. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) failing to provide direct supervision of an apprentice, a student attending a cosmetology/barber, esthetics, electrology, or nail technology school, or a student instructor;

(2) failing to obtain accreditation as a cosmetology/barber, esthetics, electrology, or nail technology school in accordance with the requirements of Section R156-11a-601;

(3) failing to maintain accreditation as a cosmetology/barber, esthetics, electrology or nail technology school after having been approved for accreditation;

(4) failing to comply with the standards of accreditation applicable to cosmetology/barber, esthetics, electrology, or nail technology schools;

(5) failing to provide adequate instruction or training as applicable to a student of a cosmetology/barber, esthetics, electrology, or nail technology school or in an approved cosmetology/barber, esthetics, or nail technology apprenticeship;

(6) failing to comply with Title 26, Utah Health Code;

(7) failing to comply with the apprenticeship requirements applicable to cosmetologist/barber, esthetician, master esthetician, or nail technician apprenticeships as set forth in Sections R156-11a-801 through R156-11a-805;

(8) failing to comply with the standards for curriculums applicable to cosmetology/barber, esthetics, electrology, or nail technology schools as set forth in Sections R156-11a-701 through R156-11a-704;

(9) using any device classified by the Food and Drug Administration as a medical device without the supervision of a licensed health care practitioner acting in the scope of the licensee's practice;

(10) performing services within the scope of practice as a master esthetician without having been adequately trained to perform such services;

(11) violating any standard established in Sections R156-11a-601 through R156-11a-612;

(12) as a nail technician, using methyl methacrylate;

(13) performing a procedure while the licensee has a known contagious disease of a nature that may be transmitted by performing the procedure, unless the licensee takes medically approved measures to prevent transmission of the disease; and

(14) performing a procedure on a client who has a known contagious disease of a nature that may be transmitted by performing the procedure, unless the licensee takes medically approved measures to prevent transmission of the disease.

R156-11a-601. Standards for Accreditation.

In accordance with Subsections 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv) 58-11a-302(10(c)(iv), and 58-11a-302(13)(c)(iv), the accreditation standards for a cosmetology/barber school, an electrology school, an esthetics school, and a nail technology school include:

(1) Each school shall be required to become accredited by:

(a) the National Accrediting Commission of Cosmetology Arts and Sciences (NACCAS); or

(b) other accrediting commissions recognized by the Utah Board of Regents for post secondary schools.

(2) Each school shall maintain and keep the accreditation current.

(3) A new school shall:

(a) submit an application for candidate status for accreditation to an accrediting commission within one month of receiving licensure from the Division as a cosmetology/barber school, an electrology school, an esthetics school, or a nail technology school and shall provide evidence of receiving candidate status from the accrediting commission to the Division within 12 months of the date the school was licensed;

(b) register with the Utah Board of Regents pursuant to Subsection 53B-5-105(1)(e); and

(c) comply with all applicable accreditation standards during the pendency of its application for accreditation status.

(4) The school shall have 24 months following the date of receiving candidate status to be approved for accreditation.

(5) A licensee who fails to obtain or maintain accreditation status, as required herein, shall immediately surrender to the Division its license as a school. Failure to do so shall constitute a basis for immediate revocation of licensure in accordance with Section 63-46b-20.

R156-11a-602. Standards for the Physical Facility.

In accordance with Subsections 58-11a-302(3)(c)(iii), 58-11a-302(6)(c)(iii), 58-11a-302(10)(c)(iii) and 58-11a-302(13)(c)(iii), the standards for the physical facility of a cosmetology/barber school, an electrology school, an esthetics school, and a nail technology school shall include:

(1) the governing standards established by the accreditation commission; and

(2) whether or not addressed in the governing standards, each facility shall have the following available:

(a) enough of each type of training equipment so that each student has an equal opportunity to be properly trained;

(b) laundry facilities to maintain sanitation and sterilization; and

(c) appropriate amounts of clean towels, sheets, linen, sponges, headbands, compresses, robes, drapes and other necessary linens for each student's and client's use.

R156-11a-603. Standards for a Student Kit.

(1) In accordance with Subsection 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv), 58-11a-302(10(c)(iv), and 58-11a-302(13)(c)(iv), cosmetology/barber, electrology, esthetics, and nail technology schools shall provide a list of all basic kit supplies needed by each student.

(2) The basic kit may be supplied by the school or purchased independently by the student.

R156-11a-604. Standards for Prohibition Against Operation as a Salon.

(1) In accordance with Subsection 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv), 58-11-302(10)(c)(iv), and 58-11a-302(13)(c)(iv), when a professional salon and a school are under the same ownership or otherwise associated, separate operation of the salon and the school is required.

(2) If the salon and the school are located in the same building, separate entrances and visitor reception areas are required. The salon and the school shall also use separate public information releases, advertisements and names.

R156-11a-605. Standards for Protection of Students.

In accordance with Subsections 58-11a-302(3)(c)(iii) and (iv), 58-11a-302(6)(c)(iii) and (iv), 58-11a-302(10)(c)(iii) and (iv), 58-11a-302(13)(c)(iii) and (iv), standards for the protection of students shall include the following:

(1) In the event a school ceases to operate for any reason, the school shall notify the division within 15 days by registered or certified mail and shall name a trustee who will be responsible to maintain the student records. Upon request, the trustee shall provide information such as accumulated student hours and dates of attendance.

(2) Schools shall not use students to perform maintenance, janitorial or remodeling work such as scrubbing floor, walls or toilets, cleaning windows, waxing floors, painting, decorating, or performing any outside work on the grounds or building. Students may be required to clean up after themselves and to perform or participate in daily cleanup of work areas, including the floor space, shampoo bowls, laundering of towels and linen and other general cleanup duties that are related to the performance of client services.

(3) Schools shall not require students to sell products applicable to their industry as a condition to graduate, but may provide instruction in product sales techniques as part of their curriculums.

(4) Schools shall keep a daily written record of student attendance.

(5) Schools shall not be permitted to remove hours earned by a student. If a student is late for class, the school may require the student to retake the class before giving credit for the class.

R156-11a-606. Standards for Protection of Schools.

In accordance with Subsection 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv), 58-11a-302(10)(c)(iv), and 58-11a-302(13)(c)(iv), standards for the protection of cosmetology/barber, electrology, esthetics, and nail technology schools shall include:

(1) Schools shall not be required to release documentation of hours earned to a student until the student has paid the tuition or fees owed to the school as provided in the terms of the contract.

(2) Schools may accept transfer students. Schools shall determine the amount of hours to be accepted toward graduation based upon an evaluation of the student's level of training.

R156-11a-607. Standards for a Written Contract.

(1) In accordance with Subsection 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv), 58-11a-302(10)(c)(iv), and 58-11a-302(13)(c)(iv), cosmetology/barber, electrology, esthetics, and nail technology schools shall complete a written contract with each student prior to admission.

(2) Each contract shall contain, as a minimum:

(a) the current status of the school's accreditation;

(b) rules of conduct;

(c) attendance requirements;

(d) provisions for make up work;

(e) grounds for probation, suspension or dismissal; and

(f) a detailed fee schedule which shall include the student's financial responsibility upon voluntarily leaving the school or upon being suspended from the school.

(3) The school shall maintain on file a copy of the contract for each student and shall provide a copy of the contract to the division upon request.

R156-11a-608. Standards for Staff Requirements of Schools.

In accordance with Subsection 58-11a-302(3)(c)(iv), 58-11a-302(6)(c)(iv, 58-11a-302(10)(c)(iv), and 58-11a-302(13)(c)(iv), the staff requirement for cosmetology/barber, electrology, esthetics and nail technology school shall include:

(1) Schools shall be required to have, as a minimum, one licensed instructor for every 20 students, or fraction thereof, attending a practical session, and one licensed instructor for any group attending a theory session. Special guest speakers shall not reduce the number of licensed instructors required to be present.

(2) Schools may give credit for special workshops, training seminars, and competitions, or may invite special guest speakers who are not licensed in accordance with Section 58-11a-302, to provide instruction or give practical demonstrations to supplement the curriculum as long as a licensed instructor from the school is present.

(3) Student instructors shall not be counted as part of the instructor staff.

R156-11a-609. Standards for Instructors.

(1) In accordance with Subsections 58-11a-302(2)(c)(iv), 58-11a-302(5)(c)(iv), 58-11a-302(9)(c)(iv), and 58-11a-302(12)(c)(iv), cosmetology/barber, electrology, esthetics, and nail technology instructors may only teach in those areas for which they have received training and are qualified to teach.

(2) In accordance with Subsection 58-11a-102(21)(b), an individual licensed as a cosmetology/barbering instructor may teach esthetics in a licensed cosmetology/barber school or an approved cosmetology/barber apprenticeship, provided the individual can demonstrate the same experience as required in Subsection 58-11a-302(9)(e).

(3) An instructor may only teach the use of a mechanical or electrical apparatus for which the instructor is trained and qualified.

R156-11a-610. Standards for the Use of Acids.

In accordance with Subsections 58-11a-102(25)(c), 58-11a-102(27)(i)(C) and 58-11a-501(17), the standards for the use of any acid or concentration of acids, shall be:

(1) The use of any acid or acid solution which would exfoliate the skin below the stratum corneum, including those listed in Subsections (3) and (4), is prohibited unless used under the supervision of a licensed health care practitioner.

(2) The following acids are prohibited unless used under the supervision of a licensed health care practitioner:

(a) phenol;

(b) trichloroacetic acid;

(c) bichloroacetic acid;

(d) resorcinol, except as provided in Subsection (4)(b); and

(e) any acid in any concentration level that requires a prescription.

(3) Limited chemical exfoliation for an esthetician does not include the mixing and combining of skin exfoliation products or services, but does include:

(a) alpha hydroxy acids of 30% or less, with a pH of not less than 3.0; and

(b) salicylic acid of 20% with a pH of not less than 3.0.

(4) Chemical exfoliation for a master esthetician includes using:

(a) those acids allowed for an esthetician;

(b) modified jessner solution on the face and the tissue immediately adjacent to the jaw line;

(c) alpha hydroxy acids with a pH of not less than 1.0 and at a concentration of 50% must include partially neutralized acids, and any acid above the concentration of 50% is prohibited;

(d) beta hydroxy acids with a concentration of not more that 30%; and

(e) vitamin based acids.

(5) A licensee may not apply any exfoliating acid to a client's skin that has undergone microdermabrasion within the previous seven days.

(6)(a) A licensee shall prepare and maintain current documentation of the licensee's cumulative experience in chemical exfoliation, including:

(i) courses of instruction;

(ii) specialized training;

(iii) on-the-job experience; and

(iv) the approximate percentage that chemical exfoliation represents in the licensee's overall business.

(b) A licensee shall provide the documentation required by Subsection (6)(a) to the division upon request.

(7) A licensee may not use an acid or perform a chemical exfoliation for which the licensee is not competent to use or perform through training and experience and as documented in accordance with Subsection (6).

(8) Only commercially available products utilized in accordance with manufacturers' instructions may be used for chemical exfoliation purposes.

(9) A patch test shall be administered to each client prior to beginning any chemical exfoliation series.

R156-11a-611. Standards for Approval of Mechanical or Electrical Apparatus.

In accordance with Subsection 58-11a-102(27)(a)(i)(F)(II), the standards for approval of mechanical or electrical apparatus shall be:

(1) No mechanical or electrical apparatus that is considered a prescription medical device by the FDA may be used by a licensee, unless such use is completed under the supervision of a licensed health care practitioner acting within the scope of the licensee's license.

(2) Dermaplane procedures, dermabrasion procedures, blades, knives, lancets, and any tools that invade the skin or living cells are prohibited except for:

(a) advanced pedicures; and

(b) extraction of impurities from the skin.

(3) The use of any procedure in which human tissue is cut or altered by mechanical or energy form, including electrical or laser energy or ionizing radiation, is prohibited for all individuals licensed under this chapter unless under the supervision of a licensed health care practitioner acting within the scope of the licensee's license.

(4) To be approved, a microdermabrasion machine must meet the following criteria:

(a) specifically labeled for cosmetic or esthetic purposes;

(b) closed-loop vacuum system that uses a tissue retention device; and

(c) the normal and customary use of the machine does not result in the removal of the epidermis beyond the stratum corneum.

R156-11a-612. Standards for Disclosure.

(1) In accordance with Subsections 58-11a-102(25)(c) and (27)(i)(C), a licensee acting within the licensee's scope of practice shall inform a client of the following before applying a chemical exfoliant or using a microdermabrasion machine:

(a) that the procedure may only be performed for cosmetic and not medical purposes, unless the licensee is working under the supervision of a licensed health care practitioner, who is working within the scope of the practitioner's license; and

(b) the benefits and risks of the procedure.

R156-11a-701. Curriculum for Electrology Schools.

In accordance with Subsection 58-11a-302(6)(c)(iv), the curriculum for an electrology school shall consist of 500 hours of instruction in the following subject areas:

(1) Introduction as follows:

(a) history of electrology; and

(b) overview of curriculum.

(2) Basic Science and Anatomy as follows:

(a) medical definitions and diagnosis;

(b) prescription drugs affecting hair growth; and

(e) contraindications.

(3) Histology;

(4) Trichology;

(5) Endocrinology;

(6) Dermatology;

(7) Neurology as follows:

(a) anesthetics, including over-the-counter and prescription; and

(c) carpal tunnel syndrome.

(8) Angiology

(9) Psychology as follows:

(a) aesthetic/cosmetic electrolysis; and

(b) gender dysphoric clients.

(10) Practical Analysis as follows:

(a) evaluating the characteristics of skin;
(b) evaluating the characteristics of hair growth;
(c) needle/probe types, features and selection;
(d) insertions, considerations and accuracy; and
(e) one and two handed techniques.
(11) Infection and Disease Control as follows:
(a) pathogenic bacteria and non bacterial causes;
(b) American Electrology Association (AEA) infection control standards;
(c) aseptic techniques and sanitary procedures;
(d) sterilization methods and procedures; and
(e) health risks to the electrologist.
(12) Principles of Electricity and Equipment as follows:
(a) currents, measurement and classification;
(b) FDA Class 1 needle type epilating equipment;
(c) FDA Class 3 hair removal devices; and
(d) laser technologies for temporary hair removal prohibited unless performed under the supervision of a licensed health care profession; and
(e) epilator operation and care.
(13) Modalities for Needle Type Electrolysis as follows:
(a) galvanic multi needle technique;
(b) thermolysis manual technique;
(c) thermolysis flash technique; and
(d) blend and progressive epilation technique.
(14) Clinical Procedures as follows:
(a) consultation;
(b) health/medical history;
(c) pre and post treatment skin care;
(d) normal healing skin effects;
(e) tissue injury and complications;
(f) treating ingrown hairs;
(g) face and body treatment;
(h) evaluation of treatments/regrowth;
(i) positioning and draping; and
(j) stress and relaxation techniques.
(15) Developing a practice and business management as follows:
(a) professional associations;
(b) ethics;
(c) legal issues including:
(i) malpractice liability;
(ii) regulatory agencies; and
(iii) tax laws;
(d) public relations; and
(e) advertising.
(16) State Board Exams Review; and
(17) Elective Topics.

R156-11a-702. Curriculum for Esthetics School - Esthetician Programs.

In accordance with Subsection 58-11a-302(10)(c)(iv), the curriculum for an esthetics school esthetician program shall consist of 600 hours of instruction in the following subject areas:
(1) manual lymphatic massage of the face and neck;
(2) temporary removal of superfluous hair;
(3) treatment of the skin;
(4) packs and masks;
(5) analysis of the skin;
(6) application of make-up;
(7) application of false eyelashes;
(8) arching of the eyebrows;
(9) tinting of the eyelashes and eyebrows;
(10) history and theory of skin care;
(11) electronic facials;
(12) first aid;
(13) chemistry of cosmetics;
(14) skin treatments with and without machines;
(15) anatomy and physiology;
(16) sanitation, decontamination, and infection control;
(17) waxing;
(18) pedicures;
(19) aromatherapy;
(20) limited chemical exfoliation;
(21) other related topics; and
(22) state laws and rules.

R156-11a-703. Curriculum for Esthetics School – Master Esthetician Programs.

In accordance with Subsection 58-11a-302(10)(c)(iv), the curriculum for an esthetics school master esthetician program shall consist of 1,200 hours of instruction, 600 of which consisting of the curriculum for an esthetician program, the remaining 600 of which is in the following subject areas:
(1) introduction consisting of:
(a) history of master esthetics; and
(b) overview of curriculum;
(2) bacteriology, hygiene, sanitation, and sterilization techniques;
(3) the immune system, skin disorders, and the prevention of infectious disease;
(4) essentials of chemistry and advanced cosmetic chemistry;
(5) the skin and the aging process, including damage to the skin;
(6) lymphatic massage by manual and other means;
(7) advanced anatomy, physiology, and histology of the skin;
(8) body wrapping, including procedures, product ingredients, and contra-indications;
(9) advanced pedicures;
(10) hydrotherapy;
(11) advanced waxing and temporary hair removal;
(12) chemical exfoliation, including pre-exfoliation consultation, post-exfoliation treatments and reactions;
(13) cardio pulmonary resuscitation (CPR) training;
(14) advanced aromatherapy;
(15) sanding and microdermabrasion, including training in the use of:
(a) electrical devices which use high-frequency current in the treatment of the skin, including:
(i) a device equipped with a brush to cleanse the skin;
(ii) an electrical device which uses galvanic current for the treatment of the skin;
(iii) a device which applies a mixture of steam and ozone to the skin; and
(iv) a device which is used to spray water and other liquids

on the skin, and to stimulate circulation in the skin; and

(b) any mechanical device for the care and treatment of the skin which is approved by the division in collaboration with the board; and

(16) other esthetic preparations or procedures.

R156-11a-704. Curriculum for Nail Technology Schools.

In accordance with Subsection 58-11a-302(6)(c)(iv), the curriculum for a nail technology school shall consist of 200 hours of instruction in the following subject areas:

(1) safety and sanitation, including salon safety, bacteriology, and sterilization;

(2) artificial nail techniques, including wraps, tips, gel, sculptured acrylic nail, nail art, and mechanical techniques;

(3) cosmetic chemistry;

(4) pedicuring including massage of the lower leg and foot;

(5) anatomy and physiology;

(6) nail and the disorders of nail;

(7) skin and the disorders of the skin;

(8) first aid;

(9) theory of basic manicuring with hand and arm massage;

(10) professional ethics/salon management/state laws; and

(11) elective topics.

R156-11a-705. Curriculum for Cosmetology/Barber Schools.

In accordance with Subsection 58-11a-302(3)(c)(iv), the curriculum for a cosmetology/barber school shall consist of 2,000 hours of instruction, 600 of which consisting of the curriculum for an esthetics school esthetician program; 200 of which consisting of the curriculum for a nail technology school; and the remaining 1,200 of which in the following subject areas:

(1) introduction consisting of:

(a) history of cosmetology/barbering; and

(b) overview of curriculum;

(2) professional image, including professional ethics and salon management;

(3) bacteriology, sanitation and sterilization, safety, and diseases and disorders;

(4) decontamination, infection control, and salon safety;

(5) properties of the hair and scalp;

(6) draping;

(7) shampooing, rinsing, and conditioning;

(8) haircutting, including men and women;

(9) hairstyling, including wet and thermal;

(10) permanent waving;

(11) hair coloring;

(12) chemical hair relaxing;

(13) thermal hair straightening;

(14) wigs and artificial hair;

(15) first aid;

(16) anatomy and physiology;

(17) chemistry for cosmetology/barbering;

(18) professional ethics and salon management;

(19) electricity and light therapy;

(20) implements, tools, and equipment for cosmetology and barbering;

(21) shaving;

(22) clipper variations;

(23) razor cutting for men;

(24) mustache and beard design;

(25) licensing laws and rules; and

(26) elective topics.

R156-11a-801. Approved Cosmetologist/Barber Apprenticeship Requirements.

In accordance with Subsection 58-11a-102(1), the requirements for an approved cosmetology/barber apprenticeship shall include the following:

(1) The supervisor shall have only one apprentice at a time.

(2) There shall be a conspicuous sign near the work station of the apprentice stating "Apprentice in Training".

(3) The supervisor and apprentice shall keep a daily record, which shall include the hours of theory instruction, the hours of practical instruction, the number and type of client services performed, and other services which will document the total number of hours of training. The record shall be available to the division upon request.

(4) A complete set of cosmetology/barber texts shall be available to the apprentice.

(5) An apprentice may be compensated for services performed.

(6) The supervisor shall provide training and technical instruction of 2,500 hours using the curriculum defined in Section R156-11a-705.

(7) The supervisor shall limit the training of the apprentice to not more than 40 hours per week and not more than five days out of every seven consecutive days.

(8) An apprentice may not perform work on the public until the apprentice has received at least 10% of the hours of technical training, with at least a portion of that time devoted to each of the subjects specified in Section R156-11a-705.

(9) Hours obtained while enrolled in a cosmetology/barber school shall not be used to satisfy the required 2,500 hours of apprentice training.

R156-11a-802. Approved Esthetician Apprenticeship Requirements.

In accordance with Subsection 58-11a-102(2), the requirements for an approved esthetician apprenticeship shall include:

(1) The supervisor shall have no more than two apprentices at a time.

(2) There shall be a conspicuous sign near the workstation of the apprentice stating, "Apprentice in Training."

(3) The supervisor and apprentice shall keep a daily record, which shall include the hours of theory instruction, the hours of practical instruction, the number and type of client services performed, and other services, which will document the total number of hours of training. The record shall be available to the division upon request.

(4) A complete set of esthetics texts shall be available to the apprentice.

(5) An apprentice may be compensated for services performed.

(6) The supervisor shall provide training and technical

instruction of 800 hours using the curriculum defined in Section R156-11a-702.

(7) The supervisor shall limit the training of the apprentice to not more than 40 hours per week and not more than five days out of every seven consecutive days.

(8) An apprentice may not perform work on the public until the apprentice has received at least 10% of the hours required in technical training, with at least a portion of that time devoted to each of the subjects specified in Section R156-11a-702.

(9) Hours obtained while enrolled in an esthetics school shall not be used to satisfy the required 800 hours of apprentice training.

R156-11a-803. Approved Master Esthetician Apprenticeship Requirements.

In accordance with Subsection 58-11a-102(3), the requirements for an approved master esthetician apprenticeship shall include:

(1) The supervisor shall have no more than two apprentices at a time.

(2) The apprentice shall be licensed as an esthetician.

(3) There shall be a conspicuous sign near the workstation of the apprentice stating, "Apprentice in Training."

(4) The supervisor and apprentice shall keep a daily record, which shall include the hours of theory instruction, the hours of practical instruction, the number and type of client services performed, and other services, which will document the total number of hours of training. The record shall be available to the division upon request.

(5) A complete set of esthetics texts shall be available to the apprentice.

(6) An apprentice may be compensated for services performed.

(7) The supervisor shall provide training and technical instruction of 1,500 hours using the curriculum defined in Section R156-11a-703:

(8) The supervisor shall limit the training of the apprentice to not more than 40 hours per week and not more than five days out of every seven consecutive days.

(9) An apprentice may not perform work on the public until the apprentice has received at least 10% of the required hours of technical training, with at least a portion of that time devoted to each of the subjects specified in Subsection R156-11a-703.

(10) Hours obtained while enrolled in an esthetics school shall not be used to satisfy the required 1,500 hours of apprentice training.

R156-11a-804. Approved Nail Technician Apprenticeship Requirements.

In accordance with Subsection 58-11a-102(4), the requirements for an approved nail technician apprenticeship shall include:

(1) The supervisor shall have no more than two apprentices at a time.

(2) There shall be a conspicuous sign near the workstation of the apprentice stating, "Apprentice in Training."

(3) The supervisor and apprentice shall keep a daily record, which shall include the hours of theory instruction, the hours of practical instruction, the number and type of client services performed, and other services, which will document the total number of hours of training. The record shall be available to the division upon request.

(4) A complete set of nail technician texts shall be available to the apprentice.

(5) An apprentice may be compensated for services performed.

(6) The supervisor shall provide training and technical instruction of 250 hours using the curriculum defined in Section R156-11a-704.

(7) The supervisor shall limit the training of the apprentice to not more than 40 hours per week and not more than five days out of every seven consecutive days.

(8) An apprentice may not perform work on the public until the apprentice has received at least 10% of the hours of technical training, with at least a portion of that time devoted to each of the subjects specified in Subsection R156-11a-704.

(9) Hours obtained while enrolled in a nail technology school shall not be used to satisfy the required 250 hours of apprentice training.

R156-11a-805. Conflicts of Interest.

An apprentice instructor may not be an employee of an apprentice or be involved in any relationship with an apprentice or others that would interfere with the instructor's ability to teach and train the apprentice.

R156-11a-901. On the Job Training Internship.

In accordance with Subsection 58-11a-304(8), students enrolled in a licensed cosmetology/barber school may participate in an on the job training internship if they meet the following requirements:

(1) The on the job training intern must have completed at least 1000 hours of the training contracted for with a cosmetology/barber school, of which 400 hours shall be clinical hours.

(2) There shall be a conspicuous sign near the work station of the on the job training intern stating "Intern in Training".

(3) A licensed cosmetology/barber supervisor shall supervise only one on the job training intern at a time.

(4) An on the job training intern, while working under the direct supervision of a licensed cosmetologist/barber, may perform the following procedures:

(a) draping;

(b) shampooing;

(c) roller setting;

(d) blow drying styling;

(e) applying color;

(f) removing color by rinsing and shampooing;

(g) removing permanent chemicals;

(h) removing permanent rods;

(i) removing rollers;

(j) applying temporary rinses, reconditioners, and rebuilders;

(k) acting as receptionists;

(l) doing retail sales;

(m) sanitizing the salon;

(o) doing inventory and ordering supplies; and

(p) handing equipment to the cosmetologist/barber supervisor.

(5) The cosmetologist/barber supervisor must have in their possession a letter, which must be updated on a quarterly basis, from the school where the on the job training intern is enrolled stating that the on the job training intern is currently in good standing at the school and is complying with school requirements.

(6) Credit toward graduation for work as an on the job training intern will not be allowed.

KEY: cosmetologists/barbers, estheticians, electrologists, nail technicians

September 17, 2001 **58-11a-101**
58-1-106(1)
58-1-202(1)

R156. Commerce, Occupational and Professional Licensing.
R156-46a. Hearing Instrument Specialist Licensing Act Rules.
R156-46a-101. Title.

These rules are known as the "Hearing Instrument Specialist Licensing Act Rules."

R156-46a-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 46a, as used in Title 58, Chapters 1 and 46a or these rules:

(1) "Unprofessional conduct," as defined in Title 58 Chapters 1 and 46a, is further defined, in accordance with Subsection 58-1-203(5), in Section R156-46a-502.

R156-46a-103. Authority - Purpose.

These rules are adopted by the division under the authority of Subsection 58-1-106(1) to enable the division to administer Title 58 Chapter 46a.

R156-46a-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is as described in Section R156-1-107.

R156-46a-302a. Qualifications for Licensure - Hearing Instrument Specialist Certification Requirement.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), an applicant shall submit a notarized copy of his current certificate documenting National Board for Certification in Hearing Instrument Sciences (NBC) to satisfy the certification requirement for licensure as a hearing instrument specialist in Subsection 58-46a-302(1)(e).

R156-46a-302b. Qualifications for Licensure - Hearing Instrument Specialist Experience Requirement.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), the experience requirement for licensure as a hearing instrument specialist in Subsection 58-46a-302(1)(d) is defined and clarified as follows.

An applicant shall document successful completion of 2000 hours of acceptable practice as a hearing instrument intern by submitting a notarized Completion of Internship form provided by the division.

R156-46a-302c. Qualifications for Licensure - Hearing Instrument Intern Education and Examination Requirement.

In accordance with Subsections 58-1-203(2) and 58-1-301(3), the education and examination requirement for licensure as a hearing instrument intern in Subsection 58-46a-302(2)(d) is defined and clarified as follows.

An applicant shall document successful completion of the National Institute for Hearing Instruments Studies (NIHIS) Training Manual for Professionals in the Field of Hearing Instrument Sciences by passing the final examination with a passing score as determined by the NIHIS. An applicant shall document passing the final examination by submitting an official letter from the National Assessment Institute or the Utah Hearing Aid Society, both of which are designated as official proctors of the examination.

R156-46a-302d. Qualifications for Licensure - Passing Score for Utah Law and Rules Examination.

In order to pass the Utah Law and Rules Examination for Hearing Instrument Specialists, an applicant as a hearing instrument specialist or hearing instrument intern shall achieve a score of at least 75%.

R156-46a-303. Renewal Cycle - Procedures.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two-year renewal cycle applicable to licensees under Title 58, Chapter 46a is established by rule in Section R156-1-308.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

(3) An individual who is a licensed Utah hearing aid specialist prior to July 1, 1994, may document 2000 hours of practice as a licensed Utah hearing instrument specialist for the 2000 hours of practice as a hearing instrument intern required by Subsections 58-46a-306(1) and 58-46a-302(1) in order to renew his license on September 30, 1996.

R156-46a-304. Continuing Education.

In accordance with Subsection 58-46a-304, the continuing education requirement for renewal of licensure as a hearing instrument specialist is defined and clarified as follows:

(1) One continuing education unit (CEU) means ten contact hours of participation in a continuing education course.

(2) Continuing education courses shall be offered in the following areas:

(a) acoustics;

(b) nature of the ear (normal ear, hearing process, disorders of hearing);

(c) hearing measurement;

(d) hearing aid technology;

(e) selection of hearing aids;

(f) marketing and customer relations;

(g) client counseling;

(h) ethical practice;

(i) state laws and regulations regarding the dispensing of hearing aids; and

(j) other areas deemed appropriate by the Division in collaboration with the Board.

(3) Only continuing education units from the American Speech-Language-Hearing Association (ASHA) or the National Hearing Aid Society (NHAS) shall be applied towards meeting the minimum requirements set forth in Subsection R156-46a-304(4).

(4) As verification of CEUs earned, the Division will accept copies of transcripts or certificates of completion from continuing education courses approved by ASHA or NHAS.

(5) A minimum of two CEUs shall be obtained by a hearing instrument specialist in order to have the license renewed every two years. The two CEUs shall contain four hours of training in the areas of state laws and rules and ethical practice.

R156-46a-502a. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) violating any state or federal law applicable to persons

practicing as a hearing instrument specialist or hearing instrument intern;

(2) failure to perform the minimum components of an evaluation for a hearing aid as set forth in Section R156-46a-502b;

(3) aiding or abetting any person other than a Utah licensed hearing instrument specialist, a licensed hearing instrument intern, a licensed audiologist, or a licensed physician to perform a hearing aid examination;

(4) dispensing a hearing aid without the purchaser having:

(a) received a medical evaluation by a licensed physician within the preceding six months prior to the purchase of a hearing aid; or

(b) a document signed by the purchaser being a fully informed adult waiving the medical evaluation in accordance with Food and Drug Administration (FDA) required disclosures, except a person under the age of 18 years may not waive the medical evaluation.

(5) failure to perform a prepurchase hearing evaluation; or

(6) supervising more than two hearing instrument interns at one time.

R156-46a-502b. Minimum Components of an Evaluation for a Hearing Aid and Dispensing of a Hearing Aid.

(1) The minimum components of a hearing aid examination are the following:

(a) air conduction tests at frequencies of 250, 500, 1000, 2000, and 4000 Hertz;

(b) appropriate masking if the air conduction threshold at any one frequency differs from the bone conduction threshold of the contralateral or nontest ear by 40 decibels at the same frequency;

(c) bone conduction tests at 500, 1000, and 2000 Hertz on every client with proper masking;

(d) speech audiometry by live voice or recorded voice, including speech discrimination testing, most comfortable loudness (MCL) measurements and measurements of uncomfortable levels of loudness (UCL); and

(e) recording and interpretation of audiograms and speech audiometry and other appropriate tests for the sole purpose of determining proper selection and adaptation of a hearing aid.

(2) Only when the above procedures are clearly impractical may the selection of the best instrument to compensate for the loss be made by trial of one or more instruments.

(3) Tests performed by a physician specializing in diseases of the ear, a clinical audiologist or another licensed hearing instrument specialist shall be accepted if they were performed within six months prior to the dispensing of the hearing aid.

R156-46a-502c. Calibration of Technical Instruments.

The requirement in Subsection 58-46a-303(3)(c) for calibration of all appropriate technical instruments used in practice is defined, clarified, and established as follows:

(1) any audiometer used in the fitting of hearing aids shall be calibrated when necessary, but not less than annually;

(2) the calibration shall include to ANSI standards calibration of frequency accuracy, acoustic output, attenuator linearity, and harmonic distortion; and

(3) calibration shall be accomplished by the manufacturer, or a properly trained person, or an institution of higher learning equipped with proper instruments for calibration of an audiometer.

KEY: licensing, hearing aids

October 16, 2001	**58-1-106(1)**
Notice of Continuation August 26, 1999	**58-1-202(1)**
	58-46a-101
	58-46a-304

R156. Commerce, Occupational and Professional Licensing.
R156-60d. Substance Abuse Counselor Act Rules.
R156-60d-101. Title.

These rules are known as the "Substance Abuse Counselor Act Rules."

R156-60d-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 60, as used in Title 58, Chapters 1 and 60 or these rules:

(1) "Formal classroom education" as used in Subsection R156-60d-302a(4), includes workshops, seminars, institutes, and college/university work.

(2) "ICRC/AODA, Inc." means the International Certification and Reciprocity Consortium/Alcohol and Other Drug Abuse, Inc.

(3) "Initial Assessment" means the procedure of gathering psycho-social information, which may include the application of the Addiction Severity Index, in order to recommend a level of treatment and to assist the mental health therapist supervisor in the information collection process and may include a referral to an appropriate treatment program provided the treatment program mandates that a Substance Abuse Treatment Evaluation must be completed prior to implementation of a treatment plan.

(4) "NAADAC" means the National Association of Alcohol and Drug Abuse Counselors.

(5) "Qualified continuing education" means continuing education that meets the standards set forth in Section R156-60d-304.

(6) "Screening", as used in Subsection 58-60-502(6)(a), means a brief interview conducted in person or by telephone to determine if there is a potential substance abuse problem. If a potential problem is identified, the screening may include a referral for an Initial Assessment or a Substance Abuse Treatment Evaluation. The screening may also include a preliminary ASAM level recommendation in order to expedite the subsequent assessment and evaluation process. Screening instruments such as the SASSI, DATAR, CAGE, etc. may be included in the screening process.

(7) "Substance Abuse Treatment Evaluation" means the process used to interpret information gathered from an initial assessment, other instruments as needed, and a face to face interview by a licensed mental health therapist in order to determine if an individual meets the DSM-IV criteria for substance abuse or dependence and is in need of treatment. If the need for treatment is determined, the Substance Abuse Treatment Evaluation process includes the determination of a DSM-IV diagnosis and the determination of an individualized treatment plan.

(8) "Unprofessional conduct," as defined in Title 58 Chapters 1 and 60, is further defined, in accordance with Subsection 58-1-203(5), in Section R156-60d-502.

R156-60d-103. Authority - Purpose.

These rules are adopted by the division under the authority of Subsection 58-1-106(1) to enable the division to administer Title 58, Chapter 60, Part 5.

R156-60d-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is as described in Section R156-1-107.

R156-60d-302a. Qualifications for Licensure - Education Requirements.

In accordance with Sections 58-60-505 and 58-60-506, the standards for the education requirements are established as follows:

(1) The institution of higher education set forth in Subsections 58-60-505(1)(d)(i) and 58-60-506(1)(d)(i) shall be accredited by a regional institutional accrediting body identified in the "Accredited Institutions of Postsecondary Education", published for the Commission of Recognition of Postsecondary Accreditation of the American Council on Education at the time the applicant obtained the education.

(2) The substance abuse counselor program set forth in Subsections 58-60-505(1)(d)(i)(A) and 58-60-506(1)(d)(i)(A) shall include:

(a) a major in alcohol and other drug abuse counseling; and

(b) a minimum of 300 clock hours of supervised field work practicum.

(3) Any baccalaureate or graduate degree in a behavior science field will satisfy the educational requirement set forth in Subsections 58-60-505(1)(d)(i)(B) and 58-60-506(1)(d)(i)(B).

(4) The 300 hours of addiction counseling specific training set forth in Subsection 58-60-506(1)(d)(ii)(B) is defined as formal classroom education emphasizing alcohol and other drug addictions related to the practice of substance abuse counseling consisting of:

(a) a minimum of 18 hours in professional ethics and responsibilities; and

(b) a minimum of ten clock hours of training in each of the areas of practice as defined in Subsection 58-60-502(6)(a).

R156-60d-302b. Qualifications for Licensure - Experience Requirements.

(1) In accordance with Subsections 58-60-505(1)(d)(i)(B) and 506(1)(d)(i)(B), the 4,000 hours of supervised qualifying experience shall:

(a) be 4,000 clock hours of experience providing substance abuse counseling services as defined in Subsection 58-60-502(6);

(b) consist of a minimum of 300 clock hours of addiction counseling specific training in a formal classroom education setting, emphasizing alcohol and other drug addictions related to the practice of substance abuse counseling, completed at the beginning of the supervised experience period; and include:

(i) a minimum of 18 hours in professional ethics and responsibilities; and

(ii) a minimum of ten clock hours of training in each of the areas of practice as defined in Subsection 58-60-502(6)(a);

(c) be completed in an approved agency as defined in Subsection 58-60-502(1);

(d) be supervised at a ratio of one hour of face-to-face direct supervision for every 20 hours of substance abuse counseling services provided by a supervisor who shall:

(i) be licensed as either a substance abuse counselor or a mental health therapist;

(ii) possess a certified clinical supervisor (CCS) credential,

or have completed a minimum of 10,000 hours of experience in substance abuse, or if the supervised experience is completed on or after July 1, 2000, then the supervisor must possess a CCS credential or have completed at least 4,000 hours of licensed experience providing substance abuse counseling services; and

(e) be completed only when a licensed substance abuse counselor or mental health therapist is at the site where the supervised experience is occurring.

(2) In accordance with Subsection 58-60-506(1)(d)(ii)(C), the supervised experience shall:

(a) be 6,000 clock hours of experience providing substance abuse counseling services as defined in Subsection 58-60-502(6);

(b) be completed in an approved agency as defined in Subsection 58-60-502(1);

(c) be supervised at a ratio of one hour of face-to-face direct supervision for every 20 hours of substance abuse counseling services provided by a supervisor who shall:

(i) be licensed as either a substance abuse counselor or a mental health therapist;

(ii) possess a certified clinical supervisor (CCS) credential, or have completed a minimum of 10,000 hours of experience in substance abuse, or if the supervised experience is completed on or after July 1, 2000, then the supervisor must possess a CCS credential or have completed at least 4,000 hours of licensed experience providing substance abuse counseling services;

(d) be completed only when a licensed substance abuse counselor or mental health therapist is at the site where the supervised experience is occurring; and

(e) include a 300 clock hour supervised practicum experience which focuses on skill development and integration of knowledge and shall:

(i) be completed in an approved agency as defined in Subsection 58-60-502(1);

(ii) be supervised at a ratio of one hour of face-to-face direct supervision for every ten hours of substance abuse counseling services provided by a supervisor who shall:

(A) be licensed as either a substance abuse counselor or a mental health therapist;

(B) possess a certified clinical supervisor (CCS) credential, or have completed a minimum of 10,000 hours of experience in substance abuse, or if the supervised experience is completed on or after July 1, 2000, then the supervisor must possess a CCS credential or have completed at least 4,000 hours of licensed experience providing substance abuse counseling services;

(iii) consist of a minimum of ten clock hours of experience in each of the area of practice as defined in Subsection 58-60-502(6)(a); and

(iv) be completed only when a licensed substance abuse counselor or mental health therapist is at the site where the supervised experience is occurring.

R156-60d-302c. Qualifications for Licensure - Examination Requirements.

In accordance with Subsections 58-60-505(1)(e) and 58-60-506(1)(e), the examinations required for licensure are the following:

(1) the written International Certification Examination for Alcohol and Drug Counselors of the ICRC/AODA, Inc., with a minimum criterion score as set by ICRC/AODA, Inc; or

(2) current certification by the ICRC/AODA, Inc. as an international certified alcohol and drug counselor (ICADC), if applying for licensure prior to July 1, 1998.

R156-60d-303. Renewal Cycle - Procedures.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two-year renewal cycle applicable to licensees under Title 58, Chapter 60, Part 5 is established by rule in Section R156-1-308.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

R156-60d-304. Continuing Education.

(1) In accordance with Section 58-60-105, there is created a continuing education requirement as a condition for renewal or reinstatement of licenses issued under Title 58, Chapter 60, Part 5.

(2) Continuing education shall consist of 40 hours of qualified continuing professional education directly related to the licensee's professional practice in each preceding two year period of licensure or expiration of licensure. At least six of the 40 required hours, must be in the area of professional ethics and responsibilities.

(3) The required number of hours of professional education for an individual who first becomes licensed during the two year period shall be decreased in a pro rata amount equal to any part of that two year period preceding the date on which that individual first became licensed.

(4) The standards for qualified continuing professional education shall include:

(a) a clear statement of purpose and defined objective for the educational program directly related to the practice of a substance abuse counselor;

(b) documented relevance to the licensee's professional practice;

(c) a competent, well-organized, and sequential presentation consistent with the stated purpose and objective of the program;

(d) preparation and presentation by individuals who are qualified by education, training, and experience; and

(e) a competent method of registration of individuals who actually completed the professional education program and records of that registration completion available for review.

(5) Credit for professional education shall be recognized in accordance with the following:

(a) unlimited hours shall be recognized for professional education completed in blocks of time of not less than 50 minutes in formally established classroom courses, seminars, conferences, workshops, institutes, or in services;

(b) a maximum of ten hours per two year period may be recognized for teaching in a college or university, or teaching qualified continuing professional education courses in the field of substance abuse; and

(c) a maximum of six hours per two year period may be recognized for clinical readings directly related to practice as a substance abuse counselor.

(6) A licensee shall be responsible for maintaining competent records of completed qualified professional

education for a period of four years after close of the two year period to which the records pertain. It is the responsibility of the licensee to maintain such information with respect to qualified professional education to demonstrate it meets the requirements under this section.

(7) A licensee who documents he is engaged in full time activities or is subjected to circumstances which prevent that licensee from meeting the continuing professional education requirements established under this section may be excused from the requirement for a period of up to five years. However, it is the responsibility of the licensee to document the reasons and justify why the requirement could not be met.

R156-60d-307. License Reinstatement - Requirements.

In accordance with Subsection R156-1-308e(3)(b), an applicant for reinstatement of a license after two years following expiration of that license shall demonstrate competency by:

(1) meeting with the board upon request for the purpose of evaluating the applicant's current ability to engage safely and competently in practice as a substance abuse counselor and to make a determination of any additional education, experience or examination requirements which will be required before reinstatement;

(2) passing the written International Certification Examination for Alcohol and Drug Counselors of the ICRC/AODA, Inc. if it is determined by the board that current taking and passing of the examination is necessary to demonstrate the applicant's ability to engage safely and competently in practice as a substance abuse counselor; and

(3) completing at least 40 hours of professional education in subjects determined by the board as necessary to ensure the applicant's ability to engage safely and competently in practice as a substance abuse counselor.

R156-60d-502. Unprofessional Conduct.

"Unprofessional conduct" includes any violation of any provision of the "Ethical Standards of Alcoholism and Drug Abuse Counselors" established by the NAADAC, May 20, 1995 edition, which is hereby incorporated by reference.

R156-60d-601. Scope of Practice.

The scope of practice of a licensed substance abuse counselor as used in Subsection 58-60-502(6)(a) and the duties of the mental health supervisor of a licensed substance abuse counselor as used in Section 58-60-508 are further defined and clarified as follows:

(1) A licensed substance abuse counselor may perform a Screening as defined in R156-60d-102(6), may perform an Initial Assessment as defined in R156-60d-102(3), and may assist in the evaluation process by meeting with the client to gather parts of the psycho-social information as directed by the supervising licensed mental health therapist. However, the licensed mental health therapist supervisor must see the individual face to face to conduct the Substance Abuse Treatment Evaluation as defined in R156-60d-102(7).

(2) A licensed substance abuse counselor may also participate as part of the multi-disciplinary team in the development of the treatment plan, but may not independently diagnose and prescribe treatment, which is the responsibility of the licensed mental health therapist supervisor.

KEY: licensing, substance abuse counselors*

October 18, 2001	**58-60-501**
Notice of Continuation June 11, 2001	**58-1-106(1)**
	58-1-202(1)

R156. Commerce, Occupational and Professional Licensing.
R156-67. Utah Medical Practice Act Rules.
R156-67-101. Title.

These rules shall be known as the "Utah Medical Practice Act Rules".

R156-67-102. Definitions.

In addition to the definitions in Title 58, Chapters 1 and 67, as used in Title 58, Chapters 1 and 67 or these rules:

(1) "ACCME" means the Accreditation Council for Continuing Medical Education.

(2) "Alternate medical practices", as used in Section R156-67-603, means treatment or therapy which is determined in an adjudicative proceeding conducted in accordance with Title 63, Chapter 46b, Administrative Procedures Act, to be:

(a) not generally recognized as standard in the practice of medicine;

(b) not shown by current generally accepted medical evidence to present a greater risk to the health, safety, or welfare of the patient than does prevailing treatment considered to be the standard in the profession of medicine; and

(c) supported by a body of current generally accepted written documentation demonstrating the treatment or therapy has reasonable potential to be of benefit to the patient to whom the therapy or treatment is to be given.

(3) "AMA" means the American Medical Association.

(4) "FLEX" means the Federation of State Medical Boards Licensing Examination.

(5) "FMGEMS" means the Foreign Medical Graduate Examination in Medical Science.

(6) "FSMB" means the Federation of State Medical Boards.

(7) "Homeopathic medicine" means a system of medicine employing and limited to substances prepared and prescribed in accordance with the principles of homeopathic pharmacology as described in the Homeopathic Pharmacopoeia of the United States, its compendia, addenda, and supplements, as officially recognized by the federal Food, Drug and Cosmetic Act, Public Law 717.21 U.S. Code Sec. 331 et seq., as well as the state of Utah's food and drug laws and Controlled Substances Act.

(8) "LMCC" means the Licentiate of the Medical Council of Canada.

(9) "NBME" means the National Board of Medical Examiners.

(10) "Unprofessional conduct" as defined in Title 58, Chapters 1 and 67 is further defined in accordance with Subsection 58-1-203(5), in Section R156-67-502.

(11) "USMLE" means the United States Medical Licensing Examination.

R156-67-103. Authority - Purpose.

These rules are adopted by the division under the authority of Subsection 58-1-106(1) to enable the division to administer Title 58, Chapter 67.

R156-67-104. Organization - Relationship to Rule R156-1.

The organization of this rule and its relationship to Rule R156-1 is as described in Section R156-1-107.

R156-67-302a. Qualifications for Licensure - Practitioner Data Banks.

In accordance with Subsections 58-67-302(1)(a)(i) and 58-1-401(2), applicants applying for licensure under Subsections 58-67-302(1) and (2) shall submit the Federation Credentials Verification Service (FCVS) form.

R156-67-302d. Qualifications for Licensure - Examination Requirements.

(1) In accordance with Subsection 58-67-302(1)(g), the required licensing examination sequence is the following:

(a) the FLEX components I and II on which the applicant shall have achieved a score of not less than 75 on each component part; or

(b) the NBME examination parts I, II, and III on which the applicant shall achieve a passing score of not less than 75 on each part; or

(c) the USMLE, steps 1, 2 and 3 on which the applicant shall achieve a score of not less than 75 on each step; or

(d) the LMCC examination, Parts 1 and 2; or

(e) the NBME part I or the USMLE step 1 and the NBME part II or the USMLE step 2 and the NBME part II or the USMLE step 3; or

(f) the FLEX component 1 and the USMLE step 3; or

(g) the NBME part I or the USMLE step 1 and the NBME part II or the USMLE step 2 and the FLEX component 2.

(h) In addition all applicants who are foreign medical graduates shall pass the FMGEMS unless they pass the USMLE steps 1 and 2.

(2) In accordance with Subsection 58-67-302(2)(d), an applicant under the following circumstances may be required to take the SPEX examination to document his qualification for licensure:

(a) has not practiced in the past three years;

(b) has had disciplinary action in the past;

(c) has a physical or mental impairment which may affect his ability to safely practice; or

(d) has had a history of substance abuse.

(3) In accordance with Subsection (2) above, the passing score on the SPEX examination is 75.

R156-67-302e. Qualifications for Licensure - Requirements for Admission to the Examinations.

(1) Admission to the USMLE steps 1 and 2 shall be in accordance with policies and procedures of the FSMB and the NBME.

(2) Requirements for admission to the USMLE step 3 are:

(a) completion of the education requirements as set forth in Subsections 58-67-302(1)(d) and (e);

(b) passing scores on USMLE steps 1 and 2, or the FLEX component 1, or the NBME parts I and II;

(c) have passed the first USMLE step taken, either 1 or 2, within seven years if enrolled in a medical doctorate program and ten years if enrolled in a medical doctorate/doctorate of philosophy program; and

(d) have not failed a combination of USMLE step 3, FLEX component 2 and NBME part III, three times.

(3) Candidates who fail a combination of USMLE step 3, FLEX component 2 and NBME part III three times must

successfully complete additional education as required by the board before being allowed to sit for USMLE step 3.

R156-67-303. Renewal Cycle - Procedures.

(1) In accordance with Subsection 58-1-308(1), the renewal date for the two-year renewal cycle applicable to licensees under Title 58, Chapter 67 is established by rule in Section R156-1-308.

(2) Renewal procedures shall be in accordance with Section R156-1-308.

R156-67-304. Qualified Continuing Professional Education.

(1) The qualified continuing professional education set forth in Subsection 58-67-304(1) shall consist of 40 hours in category 1 offerings as established by the ACCME in each preceding two year licensure cycle.

(2) The standard for qualified continuing professional education is that it consist of offerings or courses approved by institutions accredited by the ACCME to approve continuing medical education.

(3) A licensee must be able to document completion of the continuing professional education upon the request of the Division. Such documentation should be retained until the next renewal cycle. Documentation of completed qualified continuing professional education shall consist of any of the following:

(a) certificates from sponsoring agencies;

(b) transcripts of participation on applicable institutions letterhead; and

(c) "CME Self-Reporting Log".

(4) Participation in an ACGME approved residency program shall be considered to meet the continuing education requirement in a pro-rata amount equal to any part of that two year period.

R156-67-306. Exemptions from Licensure.

In accordance with Subsection 58-1-307(1), exemptions from licensure as a physician and surgeon include the following:

(1) any physician excepted from licensure, who engages in prescribing, dispensing, or administering a controlled substance outside of a hospital, shall be required to apply for and obtain a Utah Controlled Substance License as a condition precedent to them administering, dispensing or prescribing a controlled substance;

(2) any physician appointed to a graduate medical education or training program which is not accredited by the ACGME, for which exception from licensure is requested under the provisions of Subsection 58-1-307(1)(c) shall apply for registration with and receive approval of the division and board as a condition precedent to that individual engaging in any activity included in the practice of medicine;

(3) any person engaged in a competent public screening program making measures of physiologic conditions including serum cholesterol, blood sugar and blood pressure, shall be exempt from licensure and shall not be considered to be engaged in the practice of medicine conditioned upon compliance with all of the following:

(a) all instruments or devices used in making measures are approved by the Food and Drug Administration of the U.S. Department of Health, to the extent an approval is required, and the instruments and devices are used in accordance with those approvals;

(b) the facilities and testing protocol meet any standards or personnel training requirements of the Utah Department of Health;

(c) unlicensed personnel shall not interpret results of measures or tests nor shall they make any recommendation with respect to treatment or the purchase of any product;

(d) licensed personnel shall act within the lawful scope of practice of their license classification;

(e) unlicensed personnel shall conform to the referral and follow-up protocol approved by the Utah Department of Health for each measure or test; and

(f) information provided to those persons measured or tested for the purpose of permitting them to interpret their own test results shall be only that approved by the Utah Department of Health;

(4) non-licensed public officials not having emergency medical technician (EMT) certification who are designated by appropriate county officials as first responders may be issued and allowed to carry the Mark I automatic antidote injector kits and may administer the antidote to himself or his designated first response "buddy". Prior to being issued the kits, the certified first responders would successfully complete the Army/FEMA course on the "Use of Auto-Injectors by Civilian Emergency Medical Personnel". The kits would be issued to the responder only by his employing government agency and procured through the Utah Division of Comprehensive Emergency Management. No other individuals, whether licensed or not, shall prescribe or issue these antidote kits.

R156-67-502. Unprofessional Conduct.

"Unprofessional conduct" includes:

(1) prescribing for oneself any Schedule II or III controlled substance; however, nothing in these rules shall be interpreted by the division or the board to prevent a licensee from using, possessing or administering to himself a Schedule II or III controlled substance which was legally prescribed for him by a licensed practitioner acting within his scope of licensure when it is used in accordance with the prescription order and for the use for which it was intended;

(2) knowingly prescribing, selling, giving away or administering, directly or indirectly, or offering to prescribe, sell, furnish, give away or administer any scheduled controlled substance as defined in Title 58, Chapter 37 to a drug dependent person, as defined in Subsection 58-37-2(14) unless permitted by law and when it is prescribed, dispensed or administered according to a proper medical diagnosis and for a condition indicating the use of that controlled substance is appropriate;

(3) knowingly engaging in billing practices which are abusive and represent charges which are grossly excessive for services rendered;

(4) directly or indirectly giving or receiving any fee, commission, rebate or other compensation for professional services not actually and personally rendered or supervised; however, nothing in this section shall preclude the legal relationships within lawful professional partnerships, corporations or associations or the relationship between an

approved supervising physician and physician assistants or advanced practice nurses supervised by them;

(5) knowingly failing to transfer a copy of pertinent and necessary medical records or a summary thereof to another physician when requested to do so by the subject patient or by his legally designated representative;

(6) failing to furnish to the board information requested by the board which is known by a licensee with respect to the quality and adequacy of medical care rendered to patients by physicians licensed under the Medical Practice Act;

(7) failing as an operating surgeon to perform adequate pre-operative and primary post-operative care of the surgical condition for a patient in accordance with the standards and ethics of the profession or to arrange for competent primary post-operative care of the surgical condition by a licensed physician and surgeon who is equally qualified to provide that care;

(8) billing a global fee for a procedure without providing the requisite care;

(9) supervising the providing of breast screening by diagnostic mammography services or interpreting the results of breast screening by diagnostic mammography to or for the benefit of any patient without having current certification or current eligibility for certification by the American Board of Radiology. However, nothing in this subsection shall be interpreted to prevent a licensed physician and surgeon from reviewing the results of any breast screening by diagnostic mammography procedure upon a patient for the purpose of considering those results in determining appropriate care and treatment of that patient if the results are interpreted by a physician and surgeon qualified under this subsection and a timely written report is prepared by the interpreting physician and surgeon in accordance with the standards and ethics of the profession;

(10) failing of a licensee under Title 58, Chapter 67, without just cause to repay as agreed any loan or other repayment obligation legally incurred by the licensee to fund the licensee's education or training as a medical doctor;

(11) failing of a licensee under Title 58, Chapter 67, without just cause to comply with the terms of any written agreement in which the licensee's education or training as a medical doctor is funded in consideration for the licensee's agreement to practice in a certain locality or type of locality or to comply with other conditions of practice following licensure;

(12) a physician providing services to a department of health by participating in a system under which the physician provides the department with completed and signed prescriptions without the name and address of the patient, or date the prescription is provided to the patient when the prescription form is to be completed by authorized registered nurses employed by the department of health which services are not in accordance with the provisions of Section 58-17a-620;

(13) failing to keep the division informed of a current address and telephone number; and

(14) engaging in alternate medical practice except as provided in Section R156-67-603.

R156-67-602. Medical Records.

In accordance with Subsection 58-67-803(1), medical records shall be maintained to be consistent with the following:

(1) all applicable laws, regulations, and rules; and

(2) the Code of Medical Ethics of the Council on Ethical and Judicial Affairs as published in the AMA Policy Compendium, 2001 edition, which is hereby incorporated by reference.

R156-67-603. Alternate Medical Practice.

(1) A licensed physician and surgeon may engage in alternate medical practices as defined in Subsection R156-67-102(2) and shall not be considered to be engaged in unprofessional conduct on the basis that it is not in accordance with generally accepted professional or ethical standards as unprofessional conduct defined in Subsection 58-1-501(2)(b), if the licensed physician and surgeon:

(a) possesses current generally accepted written documentation, which in the opinion of the board, demonstrates the treatment or therapy has reasonable potential to be of benefit to the patient to whom the therapy or treatment is to be given;

(b) possesses the education, training, and experience to competently and safely administer the alternate medical treatment or therapy;

(c) has advised the patient with respect to the alternate medical treatment or therapy, in writing, including:

(i) that the treatment or therapy is not in accordance with generally recognized standards of the profession;

(ii) that on the basis of current generally accepted medical evidence, the physician and surgeon finds that the treatment or therapy presents no greater threat to the health, safety, or welfare of the patient than prevailing generally recognized standard medical practice; and

(iii) that the prevailing generally recognized standard medical treatment or therapy for the patient's condition has been offered to be provided, or that the physician and surgeon will refer the patient to another physician and surgeon who can provide the standard medical treatment or therapy; and

(d) has obtained from the patient a voluntary informed consent consistent with generally recognized current medical and legal standards for informed consent in the practice of medicine, including:

(i) evidence of advice to the patient in accordance with Subsection (c); and

(ii) whether the patient elects to receive generally recognized standard treatment or therapy combined with alternate medical treatment or therapy, or elects to receive alternate medical treatment or therapy only.

(2) Alternate medical practice includes the practice of homeopathic medicine.

KEY: physicians, licensing

November 1, 2001	**58-67-101**
Notice of Continuation July 19, 2001	**58-1-106(1)**
	58-1-202(1)

R182. Community and Economic Development, Administration.

R182-1. Government Records Access And Management Act Rules.

R182-1-1. Purpose.

The purpose of the following rule is to provide procedures for access to government records.

R182-1-2. Authority.

The authority for the following rule is Section 63-2-204 and Section 63-2-904 of the Government Records Access and Management Act (GRAMA), effective July 1, 1992.

R182-1-3. Allocation of Responsibility within DCED.

DCED and its agencies shall be considered a single government entity and the Executive Director of DCED or designee shall be considered the chief administrative officer of DCED and its agencies for purposes of Section 63-2-401.

R182-1-4. Requests for Access.

(1) Requests for access to government records of the Department of Community and Economic Development (DCED) and its agencies must be made in writing. Except as provided for in Subsection R182-1-4(1)(a) below, record access requests must be directed to the records officer of the DCED agency holding the requested record. The response to a request may be delayed if not properly directed. See Subsections 63-2-204(2), (6). Record access requests must be directed as set forth below:

(a) Media and other expedited requests must be addressed to the DCED Public Information Officer, located at the DCED Administrative Office in Salt Lake City.

(b) All other requests must be addressed to the Records Officer, located at the main Salt Lake City office of the appropriate DCED agency listed below:

(i) DCED Administration, which includes all other DCED agencies not specifically referenced below;

(ii) Community Development Services;

(iii) Division of Business and Economic Development, which includes the Office of Asian Affairs, the Office of Black Affairs, and the Office of Hispanic Affairs;

(iv) Division of Expositions;

(v) Division of Fine Arts;

(vi) Division of Indian Affairs;

(vii) Division of State History;

(viii) Division of State Library; and

(ix) Division of Travel Development.

R182-1-5. Fees.

A fee schedule for the direct and indirect costs of duplicating or compiling a record may be obtained from DCED by contacting Records Officer, DCED Administration, located at the DCED Administrative Office in Salt Lake City. DCED and its agencies may require payment of past fees and future estimated fees before beginning to process a request if fees are expected to exceed $50.00 or if the requester has not paid fees from previous requests.

R182-1-6. Waiver of Fees.

Fees for duplication and compilation of a record may be waived under certain circumstances described in Subsection 63-2-203(3). Requests for waiver of fees are made to DCED Records Officer, located at the DCED Administrative Office in Salt Lake City.

R182-1-7. Request for Access for Research Purposes.

Access to private or controlled records for research purposes is allowed by Subsection 63-2-202(8). Requests for access to such records for research purposes may be made directly to the records officer of the DCED agency from which the record is sought as set forth in R182-1-4.

R182-1-8. Requests for Records Containing Intellectual Property Rights.

If the department owns an intellectual property right contained within records being requested, it shall duplicate and distribute such materials in accordance with Subsection 63-2-201(10). Initial decisions with regard to these rights will be made by the records officer of the DCED agency from which the record is sought as set forth in R182-1-4.

R182-1-9. Requests to Amend a Record.

(1) An individual may contest the accuracy or completeness of a document pertaining to him pursuant to Section 63-2-603. All such requests to amend a record shall be made in writing and include the following: 1) the requester's name, mailing address, and daytime telephone number; and 2) a brief statement explaining why DCED should amend the record. Such requests shall be made and directed to the appropriate DCED agency director as set forth below:

(a) Requests to amend records held by DCED Administration or by DCED agencies not specifically referenced below shall be addressed to the Director of Administration, located at the DCED Administrative Office in Salt Lake City.

(b) Requests to amend records held by the following listed DCED agencies shall be addressed to the Director, located at the main Salt Lake City office of the applicable agency:

(i) Community Development Services;

(ii) Division of Business and Economic Development, which includes the Office of Asian Affairs, the Office of Black Affairs, and the Office of Hispanic Affairs;

(iii) Division of Expositions;

(iv) Division of Fine Arts;

(v) Division of Indian Affairs;

(vi) Division of State History;

(vii) Division of State Library; and

(viii) Division of Travel Development.

(2) Adjudicative proceedings resulting from requests to amend a record shall be conducted informally. Pursuant to Section 63-46b-5, the following procedures are established by rule to govern such proceedings:

(a) The Director of a DCED agency may delegate the responsibility to respond to a request to amend a record.

(b) An individual making a request to amend a record may also request a meeting to present information or evidence. The agency Director, or designee, receiving the request shall determine whether a meeting with the petitioner will be required to fairly respond to the request.

(c) The Director, or designee, receiving a request to amend a record shall respond to the request in writing within a reasonable time following receipt of the request. In the event a meeting with the petitioner is necessary to fairly evaluate the merits of a request, a written response shall be made within a reasonable time following the conclusion of any such meeting. The response shall contain the following information:

(i) The decision reached.

(ii) The reasons for the decision.

(iii) A notice of the requester's right to appeal to the Executive Director of DCED, or designee, within 30 days of the date of the response, pursuant to Section 63-46b-12.

R182-1-10. Appeals to Agency Head.

Review of an order denying a request to amend a record may be taken to the Executive Director of DCED, or designee, located at the DCED Administrative Office in Salt Lake City. Such review shall be conducted pursuant to the procedures outlined in Section 63-46b-12 of the Utah Code.

R182-1-11. Time Periods Under GRAMA.

The provisions of Rule 6 of the Utah Rules of Civil Procedure shall apply to calculate time periods specified in GRAMA.

R182-1-12. Forms.

(1) All forms described in this Section are available from the records officer of the DCED agency from which the record is sought as set forth in R182-1-4. The forms described as follows or a document prepared by the requester containing substantially similar information to that requested in the DCED forms, shall be completed by requester in connection with records requests:

(a) DCED Record Access Request form is for use by all entities requesting records from DCED or its agencies. This form is intended to assist entities, who request records, to comply with the requirements of Subsection 63-2-204(1) regarding the contents of a request. If a request is made through a written document other than a completed DCED Record Access Request form, the document must be legible and include the following information: the requester's name; mailing address; daytime telephone number (if available); a description of the records requested that identifies the record with reasonable specificity; and if the request is for a record which is not public, information regarding the requester's status.

(b) DCED Request For Protected Record Status form is for use by all entities providing records to DCED or its agencies. This form is intended to comply with the Section 63-2-308 regarding business confidentiality claims. If a request for protected records status is made through a written document other than a DCED Request For Protected Record Status form, the document must contain a claim of business confidentiality and a concise statement of reasons supporting the claim of business confidentiality.

(c) DCED Disclosure and Agreement form is for use when another government entity, political subdivisions of the state and their designated economic development agencies request controlled, private or protected records from DCED or its agencies, pursuant to Subsection 63-2-206(5). This form discloses to the government entity certain information regarding restrictions on access, and obtains the written agreement of the entity to abide with those restrictions.

(d) DCED Certification by Requesting Government Entity form is for use by another government entity requesting controlled or private records from DCED or its agencies, pursuant to Subsection 63-2-206(2). This form requires the information found in the DCED Record Access Request form, as well as certain representations required from the government entity, if the information sought is not public.

(2) DCED or its agencies may use forms to respond to requests for records.

KEY: government documents, freedom of information, public records

1992 63-2-204

Notice of Continuation October 19, 2001 63-2-904

R184. Community and Economic Development, Business and Economic Development.

R184-1. Community and Economic Development Project Fund Application Procedures.

R184-1-1. Authority and Purpose.

(1) This rule is authorized under Section 9-2-1504.

(2) This rule prescribes application procedures to be followed in seeking funds from the Community and Economic Development Project Fund created by Section 9-2-1501, et seq.

R184-1-2. Definitions.

(1) Terms used in this Rule are defined in Section 9-2-1502.

R184-1-3. Criteria for Awarding Loans and Grants.

(1) Loans and grants are approved by the Industrial Assistance Fund (IAF) Committee under the direction of the Board of Business and Economic Development by mid-December each year based upon greatest local impact, local need, and highest and best use of funds.

(2) Applicants must be local governments or nonprofit economic development organizations.

(3) Applicants must provide written evidence of matching funds in an amount at least equal to the amount awarded.

(4) Twenty-five percent of funds awarded from the Fund must be loans, and twenty-five must be grants. The balance of the funds must be awarded as either loans or grants as determined by IAF Committee.

R184-1-4. Application Procedures.

(1) The Administrator shall give public notice of the due date for receipt of applications at least 90 days in advance.

(2) Applications must be written and on a form provided by the Administrator.

(3) Applications must contain at least the following information for evaluation:

(a) Submit a detailed description of the proposed project; in addition include:

(i) A description of how the proposed project meets the fund's goal to help improve the economic development viability of the community.

(ii) A list of the local economic development impacts.

(iii) A statement of what specific needs the project will meet and how.

(iv) A statement describing why funding the project is this the highest and best use of funds.

(b) Request:

(i) A statement of the amount requested.

(ii) A statement whether a loan or grant is sought.

(iii) A statement showing source, amount and commitment of matching funds.

(c) A statement of the targeted group's specific needs:

(i) A statement describing the applicant's community and its needs.

(ii) A description of how the proposed project will make a difference in applicant's community.

(iii) Identification of applicant's 'Enterprise Zone'.

(d) A list of important contributions and community support for the project.

(e) An explanation of why the proposed project will be a long-term success.

(f) An outline of additional project-related opportunities, including:

(i) How management strengths are encouraged, and

(ii) How the proposed project will affect private ownership of an enterprise.

(g) Explain how the proposed project will be, or currently is, integrated into local economic development plans.

(h) Submit a formal letter of endorsement for the project by the official applicant (local government or nonprofit economic development organization). Include a statement of describing any relationships between the official applicant and any other organization or business involved in this proposal.

(i) Submit the completed application and nine copies by the advertised deadline to the Administrator, Community Economic Development Project Fund, 324 South State Street, Suite 500, Salt Lake City, Utah, 84111.

KEY: grants, project fund*

October 16, 1996 9-2-1504

Notice of Continuation October 10, 2001 9-2-1501, et seq.

R212. Community and Economic Development, Community Development, History.
R212-8. Preservation Easements.
R212-8-1. Scope and Applicability.

Purpose: to insure the adequate handling of preservation easements and their proper recording in accordance with Sections 9-8-503 and 9-8-504.

R212-8-2. Definitions.

Terms used in this rule are defined as:

1. "historical value" means a property on the State or National Register of Historic Places; and

2. "division" means the Division of State History or the Utah State Historical Society.

R212-8-3. Granting of an Easement to the Division.

A. The division may accept easements under the following conditions:

1. the property is on the National Register or State Register of Historic Places;

2. the easement will be recorded with the proper county recorder's office;

3. the preservation easement will prohibit demolition or alteration not in conformance with the Secretary of Interior's Standards for Rehabilitation;

4. the easement shall be in place for as long as the owner specifies but for no less than that required by IRS rule, if any;

5. the division shall acknowledge within 30 days acceptance or rejection of the easement.

KEY: historic preservation, historic sites

1992	**9-8-503**
Notice of Continuation October 30, 2001	**9-8-504**

R212. Community and Economic Development, Community Development, History.

R212-9. Board of State History as the Cultural Sites Review Committee Review Board.

R212-9-1. Scope and Applicability.

Rules for the Board of State History, those federal regulations regarding activities of the Cultural Sites Review Committee, Review Board as established by Section 9-8-205(d).

R212-9-2. Definitions.

1. "board" means the Board of State History, which functions as the committee;

2. "committee" means the Cultural Sites Review Committee,Review Board which is established for the state to comply with the requirements of the National Historic Preservation Act of 1966 as amended and the appropriate Code of Federal Regulations as now constituted.

R212-9-3. Applicable Federal Regulations.

The committee shall comply with appropriate federal laws including 16 USC 470 the National Historic Preservation Act of 1966 as amended and the appropriate Code of Federal Regulations including 36 CFR 61.4 and 36 CFR 60 which are herein incorporated by reference.

R212-9-4. Policy Exceptions.

The National Park Service as the responsible federal agency for regulation regarding the committee may authorize exceptions consistent with their requirements regarding regulations relating to functions of the committee described in 36 CFR 61.4 and 36 CFR 60 as amended July 1, 1996.

KEY: historic preservation

1992	**9-8-205**
Notice of Continuation October 30, 2001	**9-8-205(d)**
	16 USC 470

R307. Environmental Quality, Air Quality.

R307-110. General Requirements: State Implementation Plan.

R307-110-1. Incorporation by Reference.

To meet requirements of the Federal Clean Air Act, the Utah State Implementation Plan must be incorporated by reference into these rules. Copies of the Utah State Implementation Plan are available at the Utah Department of Environmental Quality, Division of Air Quality.

R307-110-2. Section I, Legal Authority.

The Utah State Implementation Plan, Section I, Legal Authority, as most recently amended by the Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-3. Section II, Review of New and Modified Air Pollution Sources.

The Utah State Implementation Plan, Section II, Review of New and Modified Air Pollution Sources, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-4. Section III, Source Surveillance.

The Utah State Implementation Plan, Section III, Source Surveillance, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-5. Section IV, Ambient Air Monitoring Program.

The Utah State Implementation Plan, Section IV, Ambient Air Monitoring Program, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-6. Section V, Resources.

The Utah State Implementation Plan, Section V, Resources, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-7. Section VI, Intergovernmental Cooperation.

The Utah State Implementation Plan, Section VI, Intergovernmental Cooperation, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-8. Section VII, Prevention of Air Pollution Emergency Episodes.

The Utah State Implementation Plan, Section VII, Prevention of Air Pollution Emergency Episodes, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-9. Section VIII, Prevention of Significant Deterioration.

The Utah State Implementation Plan, Section VIII, Prevention of Significant Deterioration, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-10. Section IX, Control Measures for Area and Point Sources, Part A, Fine Particulate Matter.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part A, Fine Particulate Matter, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-11. Section IX, Control Measures for Area and Point Sources, Part B, Sulfur Dioxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part B, Sulfur Dioxide, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-12. Section IX, Control Measures for Area and Point Sources, Part C, Carbon Monoxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part C, Carbon Monoxide, as most recently amended by the Utah Air Quality Board on September 5, 2001, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-13. Section IX, Control Measures for Area and Point Sources, Part D, Ozone.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part D, Ozone, as most recently amended by the Utah Air Quality Board on September 9, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-14. Section IX, Control Measures for Area and Point Sources, Part E, Nitrogen Dioxide.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part E, Nitrogen Dioxide, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-15. Section IX, Control Measures for Area and Point Sources, Part F, Lead.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part F, Lead, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-16. Section IX, Control Measures for Area and Point Sources, Part G, Fluoride.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part G, Fluoride, as most

recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-17. Section IX, Control Measures for Area and Point Sources, Part H, Emissions Limits.

The Utah State Implementation Plan, Section IX, Control Measures for Area and Point Sources, Part H, Emissions Limits, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-18. Reserved.

Reserved.

R307-110-19. Section XI, Other Control Measures for Mobile Sources.

The Utah State Implementation Plan, Section XI, Other Control Measures for Mobile Sources, as most recently amended by the Utah Air Quality Board on February 9, 2000, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-20. Section XII, Involvement.

The Utah State Implementation Plan, Section XII, Involvement, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-21. Section XIII, Analysis of Plan Impact.

The Utah State Implementation Plan, Section XIII, Analysis of Plan Impact, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-22. Section XIV, Comprehensive Emission Inventory.

The Utah State Implementation Plan, Section XIV, Comprehensive Emission Inventory, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-23. Section XV, Utah Code Title 19, Chapter 2, Air Conservation Act.

Section XV of the Utah State Implementation Plan contains Utah Code Title 19, Chapter 2, Air Conservation Act.

R307-110-24. Section XVI, Public Notification.

The Utah State Implementation Plan, Section XVI, Public Notification, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-25. Section XVII, Visibility Protection.

The Utah State Implementation Plan, Section XVII, Visibility Protection, as most recently amended by the Utah Air Quality Board on March 26, 1993, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-26. Section XVIII, Demonstration of GEP Stack Height.

The Utah State Implementation Plan, Section XVIII, Demonstration of GEP Stack Height, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-27. Section XIX, Small Business Assistance Program.

The Utah State Implementation Plan, Section XIX, Small Business Assistance Program, as most recently amended by the Utah Air Quality Board on December 18, 1992, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-28. Reserved.

Reserved.

R307-110-29. Section XXI, Diesel Inspection and Maintenance Program.

The Utah State Implementation Plan, Section XXI, Diesel Inspection and Maintenance Program, as most recently amended by the Utah Air Quality Board on July 12, 1995, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-30. Section XXII, General Conformity.

The Utah State Implementation Plan, Section XXII, General Conformity, as adopted by the Utah Air Quality Board on October 4, 1995, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-31. Section X, Vehicle Inspection and Maintenance Program, Part A, General Requirements and Applicability.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part A, General Requirements and Applicability, as most recently amended by the Utah Air Quality Board on August 1, 2001, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-32. Section X, Vehicle Inspection and Maintenance Program, Part B, Davis County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part B, Davis County, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-33. Section X, Vehicle Inspection and Maintenance Program, Part C, Salt Lake County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part C, Salt Lake County, as most recently amended by the Utah Air Quality Board on

August 1, 2001, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-34. Section X, Vehicle Inspection and Maintenance Program, Part D, Utah County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part D, Utah County, as most recently amended by the Utah Air Quality Board on August 1, 2001, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-110-35. Section X, Vehicle Inspection and Maintenance Program, Part E, Weber County.

The Utah State Implementation Plan, Section X, Vehicle Inspection and Maintenance Program, Part E, Weber County, as most recently amended by the Utah Air Quality Board on February 5, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

KEY: air pollution, small business assistance program*, particulate matter*, ozone
October 2, 2001 19-2-104(3)(e)
Notice of Continuation June 2, 1997

R307. Environmental Quality, Air Quality.
R307-220. Emission Standards: Plan for Designated Facilities.
R307-220-1. Incorporation by Reference.

(1) Pursuant to 42 U.S.C. 7411(d), the Federal Clean Air Act Section 111(d), the following sections hereby incorporate by reference the Utah plan for designated facilities. Copies of the plan are available at the Division of Air Quality and the Divison of Administrative Rules.

(2) Definitions. The following additional definitions apply to R307-220:

"Designated Facility" means any existing source which emits a designated pollutant and which would be subject to a standard of performance for a new source if construction of the designated facility had begun after the effective date of the standard of performance issued under 40 CFR Part 60.

"Designated Pollutant" means any air contaminant, the emission of which:

(a) is subject to a standard of performance for a new source; and

(b) is not subject to a National Ambient Air Quality Standard; and

(c) is not a hazardous air pollutant as defined in R307-101-2.

R307-220-2. Section I, Municipal Solid Waste Landfills.

Section I, Municipal Solid Waste Landfills, as most recently adopted by the Air Quality Board on September 3, 1997, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-220-3. Section II, Hospital, Medical, Infectious Waste Incinerators.

Section II, Hospital, Medical, Infectious Waste Incinerators, as most recently adopted by the Air Quality Board on November 12, 1998, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

R307-220-4. Section III, Small Municipal Waste Combustion Units.

Section III, Small Municipal Waste Combustion Units, as most recently adopted by the Air Quality Board on September 5, 2001, pursuant to Section 19-2-104, is hereby incorporated by reference and made a part of these rules.

KEY: air pollution, landfills*, environmental protection, incinerators
November 1, 2001 19-2-104

R313. Environmental Quality, Radiation Control.
R313-19. Requirements of General Applicability to Licensing of Radioactive Material.
R313-19-1. Purpose and Authority.

(1) The purpose of this rule is to prescribe requirements governing the licensing of radioactive material. This rule also gives notice to all persons who knowingly provide to any licensee, applicant, certificate of registration holder, contractor, or subcontractor, components, equipment, materials, or other goods or services, that relate to a licensee's, applicant's or certificate of registration holder's activities subject to these rules, that they may be individually subject to Executive Secretary enforcement action for violation of Section R313-19-5.

(2) The rules set forth herein are adopted pursuant to the provisions of Sections 19-3-104(3) and 19-3-104(6).

R313-19-2. General.

(1) A person shall not receive, possess, use, transfer, own or acquire radioactive material except as authorized in a specific or general license issued pursuant to Rules R313-21 or R313-22 or as otherwise provided in Rule R313-19.

(2) In addition to the requirements of Rules R313-19, R313-21 or R313-22, all licensees are subject to the requirements of Rules R313-12, R313-15, and R313-18. Licensees authorized to use sealed sources containing radioactive materials in panoramic irradiators with dry or wet storage of radioactive sealed sources, underwater irradiators, or irradiators with high dose rates from radioactive sealed sources are subject to the requirements of Rule R313-34, licensees engaged in industrial radiographic operations are subject to the requirements of Rule R313-36, licensees using radionuclides in the healing arts are subject to the requirements of Rule R313-32, licensees engaged in land disposal of radioactive material are subject to the requirements of Rule R313-25, and licensees engaged in wireline and subsurface tracer studies are subject to the requirements of Rule R313-38.

R313-19-5. Deliberate Misconduct.

(1) Any licensee, certificate of registration holder, applicant for a license or certificate of registration, employee of a licensee, certificate of registration holder or applicant; or any contractor, including a supplier or consultant, subcontractor, employee of a contractor or subcontractor of any licensee or certificate of registration holder or applicant for a license or certificate of registration, who knowingly provides to any licensee, applicant, certificate holder, contractor, or subcontractor, any components, equipment, materials, or other goods or services that relate to a licensee's, certificate holder's or applicant's activities in these rules, may not:

(a) Engage in deliberate misconduct that causes or would have caused, if not detected, a licensee, certificate of registration holder, or applicant to be in violation of any rule or order; or any term, condition, or limitation of any license issued by the Executive Secretary; or

(b) Deliberately submit to the Executive Secretary, a licensee, certificate of registration holder, an applicant, or a licensee's, certificate holder's or applicant's, contractor or subcontractor, information that the person submitting the information knows to be incomplete or inaccurate in some respect material to the Executive Secretary.

(2) A person who violates Subsections R313-19-5(1)(a) or (b) may be subject to enforcement action in accordance with Rule R313-14.

(3) For the purposes of Subsection R313-19-5(1)(a), deliberate misconduct by a person means an intentional act or omission that the person knows:

(a) Would cause a licensee, certificate of registration holder or applicant to be in violation of any rule or order; or any term, condition, or limitation, of any license issued by the Executive Secretary; or

(b) Constitutes a violation of a requirement, procedure, instruction, contract, purchase order, or policy of a licensee, certificate of registration holder, applicant, contractor, or subcontractor.

R313-19-13. Exemptions.

(1) Source material.

(a) A person is exempt from Rules R313-19, R313-21, and R313-22 to the extent that the person receives, possesses, uses, owns, or transfers source material in a chemical mixture, compound, solution or alloy in which the source material is by weight less than 1/20 of one percent (0.05 percent) of the mixture, compound, solution, or alloy.

(b) A person is exempt from Rules R313-19, R313-21, and R313-22 to the extent that the person receives, possesses, uses or transfers unrefined and unprocessed ore containing source material; provided, that, except as authorized in a specific license, such person shall not refine or process the ore.

(c) A person is exempt from Rules R313-19, R313-21, and R313-22 to the extent that the person receives, possesses, uses or transfers:

(i) any quantities of thorium contained in:

(A) incandescent gas mantles,

(B) vacuum tubes,

(C) welding rods,

(D) electric lamps for illuminating purposes: provided that, each lamp does not contain more than 50 milligrams of thorium,

(E) germicidal lamps, sunlamps, and lamps for outdoor or industrial lighting provided that each lamp does not contain more than two grams of thorium,

(F) rare earth metals and compounds, mixtures, and products containing not more than 0.25 percent by weight thorium, uranium, or any combination of these, or

(G) personnel neutron dosimeters provided that each dosimeter does not contain more than 50 milligrams of thorium;

(ii) source material contained in the following products:

(A) glazed ceramic tableware, provided that the glaze contains not more than 20 percent by weight source material,

(B) piezoelectric ceramic containing not more than two percent by weight source material, or

(C) glassware containing not more than ten percent by weight source material, but not including commercially manufactured glass brick, pane glass, ceramic tile, or other glass or ceramic used in construction;

(iii) photographic film, negatives and prints containing uranium or thorium;

(iv) a finished product or part fabricated of, or containing,

tungsten-thorium or magnesium-thorium alloys, provided that the thorium content of the alloy does not exceed four percent by weight and that this exemption shall not be deemed to authorize the chemical, physical, or metallurgical treatment or processing of the product or part;

(v) uranium contained in counterweights installed in aircraft, rockets, projectiles, and missiles, or stored or handled in connection with installation or removal of the counterweights, provided that:

(A) the counterweights are manufactured in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission authorizing distribution by the licensee pursuant to 10 CFR Part 40,

(B) each counterweight has been impressed with the following legend clearly legible through any plating or other covering: "DEPLETED URANIUM",

(C) each counterweight is durably and legibly labeled or marked with the identification of the manufacturer and the statement: "UNAUTHORIZED ALTERATIONS PROHIBITED",

(D) The requirements specified in Subsections R313-19-13(1)(c)(v)(B) and (C) need not be met by counterweights manufactured prior to December 31, 1969, provided that such counterweights are impressed with the legend, "CAUTION - RADIOACTIVE MATERIAL - URANIUM", as previously required by the rules, and

(E) the exemption contained in Subsection R313-19-13(1)(c)(v) shall not be deemed to authorize the chemical, physical, or metallurgical treatment or processing of counterweights other than repair or restoration of any plating or other covering;

(vi) natural or depleted uranium metal used as shielding constituting part of a shipping container which is conspicuously and legibly impressed with the legend "CAUTION - RADIOACTIVE SHIELDING - URANIUM" and the uranium metal is encased in mild steel or equally fire resistant metal of minimum wall thickness of one eighth inch (3.2 mm);

(vii) thorium contained in finished optical lenses, provided that each lens does not contain more than 30 percent by weight of thorium, and that this exemption shall not be deemed to authorize either:

(A) the shaping, grinding, or polishing of a lens or manufacturing processes other than the assembly of such lens into optical systems and devices without alteration of the lens, or

(B) the receipt, possession, use, or transfer of thorium contained in contact lenses, or in spectacles, or in eyepieces in binoculars or other optical instruments;

(viii) uranium contained in detector heads for use in fire detection units, provided that each detector head contains not more than 0.005 microcurie (185.0 Bq) of uranium; or

(ix) thorium contained in a finished aircraft engine part containing nickel-thoria alloy, provided that:

(A) the thorium is dispersed in the nickel-thoria alloy in the form of finely divided thoria (thorium dioxide), and

(B) the thorium content in the nickel-thoria alloy does not exceed four percent by weight.

(d) The exemptions in Subsection R313-19-13(1)(c) do not authorize the manufacture of any of the products described.

(2) Radioactive material other than source material.

(a) Exempt concentrations.

(i) Except as provided in Subsection R313-19-13(2)(a)(ii) a person is exempt from Rules R313-19, R313-21 and R313-22 to the extent that the person receives, possesses, uses, transfers, owns or acquires products or materials containing:

(A) radioactive material introduced in concentrations not in excess of those listed in Section R313-19-70, or

(B) natural occurring radioactive materials containing less than 15 picocuries per gram radium-226.

(ii) A person may not introduce radioactive material into a product or material knowing or having reason to believe that it will be transferred to persons exempt under Subsection R313-19-13(2)(a)(i) or equivalent regulations of a Licensing State, the U.S. Nuclear Regulatory Commission or an Agreement State, except in accordance with a specific license issued pursuant to Subsection R313-22-75(1) or the general license provided in Section R313-19-30.

(b) Exempt quantities.

(i) Except as provided in Subsections R313-19-13(2)(b)(ii) and (iii) a person is exempt from these rules to the extent that the person receives, possesses, uses, transfers, owns, or acquires radioactive material in individual quantities which do not exceed the applicable quantity set forth in Section R313-19-71.

(ii) Subsection R313-19-13(2)(b) does not authorize the production, packaging or repackaging of radioactive material for purposes of commercial distribution, or the incorporation of radioactive material into products intended for commercial distribution.

(iii) A person may not, for purposes of commercial distribution, transfer radioactive material in the individual quantities set forth in Section R313-19-71, knowing or having reason to believe that the quantities of radioactive material will be transferred to persons exempt under Subsection R313-19-13(2)(b) or equivalent regulations of a Licensing State, the U.S. Nuclear Regulatory Commission or an Agreement State, except in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission, pursuant to 10 C.F.R. Part 32 or by the Executive Secretary pursuant to Subsection R313-22-75(2), which license states that the radioactive material may be transferred by the licensee to persons exempt under Subsection R313-19-13(2)(b) or the equivalent regulations of a Licensing State, the U.S. Nuclear Regulatory Commission or an Agreement State.

(iv) A person who possesses radioactive material received or acquired prior to September 25, 1971, under the general license formerly provided in 10 C.F.R. Part 31.5 is exempt from the requirements for a license set forth in Rule R313-19 to the extent that the person possesses, uses, transfers or owns the radioactive material. This exemption does not apply for radium-226.

(c) Exempt items.

(i) Certain items containing radioactive material. Except for persons who apply radioactive material to, or persons who incorporate radioactive material into the following products, a person is exempt from these rules to the extent that person receives, possesses, uses, transfers, owns or acquires the following products:

(A) Timepieces or hands or dials containing not more than

the following specified quantities of radioactive material and not exceeding the following specified levels of radiation:

(I) 25 millicuries (925.0 MBq) of tritium per timepiece;

(II) five millicuries (185.0 MBq) of tritium per hand;

(III) 15 millicuries (555.0 MBq) of tritium per dial. Bezels when used shall be considered as part of the dial;

(IV) 100 microcuries (3.7 MBq) of promethium-147 per watch or 200 microcuries (7.4 MBq) of promethium-147 per any other timepiece;

(V) 20 microcuries (0.74 MBq) of promethium-147 per watch hand or 40 microcuries (1.48 MBq) of promethium-147 per other timepiece hand;

(VI) 60 microcuries (2.22 MBq) of promethium-147 per watch dial or 120 microcuries (4.44 MBq) of promethium-147 per other timepiece dial. Bezels when used shall be considered as part of the dial;

(VII) the radiation dose rate from hands and dials containing promethium-147 will not exceed, when measured through 50 milligrams per square centimeter of absorber:

for wrist watches, 0.1 millirad (1.0 uGy) per hour at ten centimeters from any surface;

for pocket watches, 0.1 millirad (1.0 uGy) per hour at one centimeter from any surface;

for other timepieces, 0.2 millirad (2.0 uGy) per hour at ten centimeters from any surface;

(VIII) one microcurie (37.0 kBq) of radium-226 per timepiece in timepieces manufactured prior to the effective date of these rules.

(B) Lock illuminators containing not more than 15 millicuries (555.0 MBq) of tritium or not more than two millicuries (74.0 MBq) of promethium-147 installed in automobile locks. The levels of radiation from each lock illuminator containing promethium-147 will not exceed one millirad (10 uGy) per hour at one centimeter from any surface when measured through 50 milligrams per square centimeter of absorber.

(C) Precision balances containing not more than one millicurie (37.0 MBq) of tritium per balance or not more than 0.5 millicurie (18.5 MBq) of tritium per balance part.

(D) Automobile shift quadrants containing not more than 25 millicuries (925 MBq) of tritium.

(E) Marine compasses containing not more than 750 millicuries (27.8 GBq) of tritium gas and other marine navigational instruments containing not more than 250 millicuries (9.25 GBq) of tritium gas.

(F) Thermostat dials and pointers containing not more than 25 millicuries (925.0 MBq) of tritium per thermostat.

(G) Electron tubes, including spark gap tubes, power tubes, gas tubes including glow lamps, receiving tubes, microwave tubes, indicator tubes, pick-up tubes, radiation detection tubes, and other completely sealed tubes that are designed to conduct or control electrical currents; provided that each tube does not contain more than one of the following specified quantities of radioactive material:

(I) 150 millicuries (5.55 GBq) of tritium per microwave receiver protector tube or ten millicuries (370.0 MBq) of tritium per any other electron tube;

(II) one microcurie (37.0 kBq) of cobalt-60;

(III) five microcuries (185.0 kBq) of nickel-63;

(IV) 30 microcuries (1.11 MBq) of krypton-85;

(V) five microcuries (185.0 kBq) of cesium-137;

(VI) 30 microcuries (1.11 MBq) of promethium-147;

(VII) one microcurie (37.0 kBq) of radium-226;

and provided further, that the radiation dose rate from each electron tube containing radioactive material will not exceed one millirad (10.0 uGy) per hour at one centimeter from any surface when measured through seven milligrams per square centimeter of absorber.

(H) Ionizing radiation measuring instruments containing, for purposes of internal calibration or standardization, one or more sources of radioactive material, provided that:

(I) each source contains no more than one exempt quantity set forth in Section R313-19-71; and

(II) each instrument contains no more than ten exempt quantities. For purposes of this requirement, an instrument's source(s) may contain either one type or different types of radionuclides and an individual exempt quantity may be composed of fractional parts of one or more of exempt quantities in Section R313-19-71, provided that the sum of the fractions shall not exceed unity;

(III) for purposes of Subsection R313-19-13(2)(c)(i)(H), 0.05 microcurie (1.85 kBq) of americium-241 is considered an exempt quantity under Section R313-19-71.

(I) Spark gap irradiators containing not more than one microcurie (37.0 kBq) of cobalt-60 per spark gap irradiator for use in electrically ignited fuel oil burners having a firing rate of at least three gallons (11.4 liters) per hour.

(ii) Self-luminous products containing radioactive material.

(A) Tritium, krypton-85 or promethium-147. Except for persons who manufacture, process or produce self-luminous products containing tritium, krypton-85 or promethium-147, a person is exempt from these rules to the extent that the person receives, possesses, uses, transfers, owns, or acquires tritium, krypton-85 or promethium-147 in self-luminous products manufactured, processed, produced, imported or transferred in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission pursuant to 10 C.F.R. Part 32.22, which license authorizes the transfer of the product to persons who are exempt from regulatory requirements. The exemption in Subsection R313-19-13(2)(c)(ii) does not apply to tritium, krypton-85, or promethium-147 used in products for frivolous purposes or in toys or adornments.

(B) Radium-226. A person is exempt from these rules, to the extent that such person receives, possesses, uses, transfers, or owns articles containing less than 0.1 microcurie (3.7 kBq) of radium-226 which were acquired prior to the effective date of these rules.

(iii) Gas and aerosol detectors containing radioactive material.

(A) Except for persons who manufacture, process, or produce gas and aerosol detectors containing radioactive material, a person is exempt from these rules to the extent that the person receives, possesses, uses, transfers, owns, or acquires radioactive material in gas and aerosol detectors designed to protect life or property from fires and airborne hazards, provided that detectors containing radioactive material shall have been manufactured, imported, or transferred in accordance

with a specific license issued by the U.S. Nuclear Regulatory Commission pursuant to 10 C.F.R. Part 32.26, or a Licensing State pursuant to Subsection R313-22-75(3) or equivalent requirements, which authorizes the transfer of the detectors to persons who are exempt from regulatory requirements.

(B) Gas and aerosol detectors previously manufactured and distributed to general licensees in accordance with a specific license issued by an Agreement State shall be considered exempt under Subsection R313-19-13(2)(c)(iii)(A), provided that the device is labeled in accordance with the specific license authorizing distribution of the general licensed device, and provided further that they meet the requirements of Subsection R313-22-75(3).

(C) Gas and aerosol detectors containing naturally occurring and accelerator-produced radioactive material (NARM) previously manufactured and distributed in accordance with a specific license issued by a Licensing State shall be considered exempt under Subsection R313-19-13(2)(c)(iii)(A), provided that the device is labeled in accordance with the specific license authorizing distribution, and provided further that they meet the requirements of Subsection R313-22-75(3).

(iv) Capsules containing carbon-14 urea for "in vivo" diagnostic use for humans.

(A) Except as provided in Subsection R313-19-13(2)(c)(iv)(B), any person is exempt from the requirements in Rules R313-19 and R313-32 provided that the person receives, possesses, uses, transfers, owns, or acquires capsules containing 37 kBq (1 uCi) carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process) each, for "in vivo" diagnostic use for humans.

(B) Any person who desires to use the capsules for research involving human subjects shall apply for and receive a specific license pursuant to Rule R313-32.

(C) Nothing in Subsection R313-19-13(2)(c)(iv) relieves persons from complying with applicable United States Food and Drug Administration, other Federal, and State requirements governing receipt, administration, and use of drugs.

(v) Resins containing scandium-46 and designed for sand consolidation in oil wells. A person is exempt from these rules to the extent that the person receives, possesses, uses, transfers, owns or acquires synthetic plastic resins containing scandium-46 which are designed for sand consolidation in oil wells. The resins shall have been manufactured or imported in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission, or shall have been manufactured in accordance with the specifications contained in a specific license issued by the Executive Secretary or an Agreement State to the manufacturer of resins pursuant to licensing requirements equivalent to those in 10 C.F.R. Part 32.16 and 32.17. This exemption does not authorize the manufacture of any resins containing scandium-46.

(vi) With respect to Subsections R313-19-13(2)(b)(iii), R313-19-13(2)(c)(i), (iii) and (iv), the authority to transfer possession or control by the manufacturer, processor, or producer of equipment, devices, commodities, or other products containing byproduct material whose subsequent possession, use, transfer, and disposal by other persons is exempted from regulatory requirements may be obtained only from the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

R313-19-20. Types of Licenses.

Licenses for radioactive materials are of two types: general and specific.

(1) General licenses provided in Rule R313-21 are effective without the filing of applications with the Executive Secretary or the issuance of licensing documents to the particular persons, although the filing of a registration certificate with the Executive Secretary may be required by the particular general license. The general licensee is subject to the other applicable portions of these rules and limitations of the general license.

(2) Specific licenses require the submission of an application to the Executive Secretary and the issuance of a licensing document by the Executive Secretary. The licensee is subject to applicable portions of these rules as well as limitations specified in the licensing document.

R313-19-25. Prelicensing Inspection.

The Executive Secretary may verify information contained in applications and secure additional information deemed necessary to make a reasonable determination as to whether to issue a license and whether special conditions should be attached thereto by visiting the facility or location where radioactive materials would be possessed or used, and by discussing details of the proposed possession or use of the radioactive materials with the applicant or representatives designated by the applicant. Such visits may be made by representatives of the Board or the Executive Secretary.

R313-19-30. Reciprocal Recognition of Licenses.

(1) Subject to these rules, a person who holds a specific license from the U.S. Nuclear Regulatory Commission, an Agreement State, or Licensing State, and issued by the agency having jurisdiction where the licensee maintains an office for directing the licensed activity and at which radiation safety records are normally maintained, is hereby granted a general license to conduct the activities authorized in the licensing document within this state, except in areas of exclusive federal jurisdiction, for a period not in excess of 180 days in a calendar year provided that:

(a) the licensing document does not limit the activity authorized by the document to specified installations or locations;

(b) the out-of-state licensee notifies the Executive Secretary in writing at least three days prior to engaging in such activity. Notifications shall indicate the location, period, and type of proposed possession and use within the state, and shall be accompanied by a copy of the pertinent licensing document. If, for a specific case, the three-day period would impose an undue hardship on the out-of-state licensee, the licensee may, upon application to the Executive Secretary, obtain permission to proceed sooner. The Executive Secretary may waive the requirement for filing additional written notifications during the remainder of the calendar year following the receipt of the initial notification from a person engaging in activities under the general license provided in Subsection R313-19-30(1);

(c) the out-of-state licensee complies with all applicable rules of the Board and with the terms and conditions of the licensing document, except those terms and conditions which

may be inconsistent with applicable rules of the Board;

(d) the out-of-state licensee supplies other information as the Executive Secretary may request; and

(e) the out-of-state licensee shall not transfer or dispose of radioactive material possessed or used under the general license provided in Subsection R313-19-30(1) except by transfer to a person:

(i) specifically licensed by the Executive Secretary or by the U.S. Nuclear Regulatory Commission, a Licensing State, or an Agreement State to receive the material, or

(ii) exempt from the requirements for a license for material under Subsection R313-19-13(2)(a).

(2) Notwithstanding the provisions of Subsection R313-19-30(1), a person who holds a specific license issued by the U.S. Nuclear Regulatory Commission, a Licensing State, or an Agreement State authorizing the holder to manufacture, transfer, install, or service a device described in Subsection R313-21-22(4) within the areas subject to the jurisdiction of the licensing body is hereby granted a general license to install, transfer, demonstrate, or service a device in this state provided that:

(a) the person shall file a report with the Executive Secretary within thirty days after the end of a calendar quarter in which a device is transferred to or installed in this state. Reports shall identify each general licensee to whom a device is transferred by name and address, the type of device transferred, and the quantity and type of radioactive material contained in the device;

(b) the device has been manufactured, labeled, installed, and serviced in accordance with applicable provisions of the specific license issued to the person by the Nuclear Regulatory Commission, a Licensing State, or an Agreement State;

(c) the person shall assure that any labels required to be affixed to the device under rules of the authority which licensed manufacture of the device bear a statement that "Removal of this label is prohibited"; and

(d) the holder of the specific license shall furnish to the general licensee to whom the device is transferred or on whose premises a device is installed a copy of the general license contained in Subsection R313-21-22(4) or in equivalent rules of the agency having jurisdiction over the manufacture and distribution of the device.

(3) The Executive Secretary may withdraw, limit, or qualify his acceptance of a specific license or equivalent licensing document issued by the U.S. Nuclear Regulatory Commission, a Licensing State or an Agreement State, or a product distributed pursuant to the licensing document, upon determining that the action is necessary in order to prevent undue hazard to public health and safety or the environment.

R313-19-34. Terms and Conditions of Licenses.

(1) Licenses issued pursuant to Rule R313-19 shall be subject to provisions of the Act, now or hereafter in effect, and to all rules, and orders of the Executive Secretary.

(2) Licenses issued or granted under Rules R313-21 and R313-22 and rights to possess or utilize radioactive material granted by a license issued pursuant to Rules R313-21 and R313-22 shall not be transferred, assigned, or in any manner disposed of, either voluntarily or involuntarily, directly or indirectly, through transfer of control of a license to a person unless the Executive Secretary shall, after securing full information find that the transfer is in accordance with the provisions of the Act now or hereafter in effect, and to all rules, and orders of the Executive Secretary, and shall give his consent in writing.

(3) Persons licensed by the Executive Secretary pursuant to Rules R313-21 and R313-22 shall confine use and possession of the material licensed to the locations and purposes authorized in the license.

(4) Licensees shall notify the Executive Secretary in writing and request termination of the license when the licensee decides to terminate activities involving materials authorized under the license.

(5) Licensees shall notify the Executive Secretary in writing immediately following the filing of a voluntary or involuntary petition for bankruptcy under any Chapter of Title 11, Bankruptcy, of the United States Code by or against:

(a) the licensee;

(b) an entity, as that term is defined in 11 U.S.C.101(14), controlling the licensee or listing the license or licensee as property of the estate; or

(c) an affiliate, as that term is defined in 11 U.S.C.101(2), of the licensee.

(6) The notification specified in Subsection R313-19-34(5) shall indicate:

(a) the bankruptcy court in which the petition for bankruptcy was filed; and

(b) the date of the filing of the petition.

(7) Licensees required to submit emergency plans pursuant to Subsection R313-22-32(8) shall follow the emergency plan approved by the Executive Secretary. The licensee may change the approved plan without the Executive Secretary's approval only if the changes do not decrease the effectiveness of the plan. The licensee shall furnish the change to the Executive Secretary and to affected off-site response organizations within six months after the change is made. Proposed changes that decrease, or potentially decrease, the effectiveness of the approved emergency plan may not be implemented without prior application to and prior approval by the Executive Secretary.

R313-19-41. Transfer of Material.

(1) Licensees shall not transfer radioactive material except as authorized pursuant to Section R313-19-41.

(2) Except as otherwise provided in the license and subject to the provisions of Subsections R313-19-41(3) and (4), licensees may transfer radioactive material:

(a) to the Executive Secretary, if prior approval from the Executive Secretary has been received;

(b) to the U.S. Department of Energy;

(c) to persons exempt from the rules in Rule R313-19 to the extent permitted under the exemption;

(d) to persons authorized to receive the material under terms of a general license or its equivalent, or a specific license or equivalent licensing document, issued by the Executive Secretary, the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State, or to a person otherwise authorized to receive the material by the federal government or an agency thereof, the Executive Secretary, an Agreement State or a Licensing State; or

(e) as otherwise authorized by the Executive Secretary in writing.

(3) Before transferring radioactive material to a specific licensee of the Executive Secretary, the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State, or to a general licensee who is required to register with the Executive Secretary, the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State prior to receipt of the radioactive material, the licensee transferring the material shall verify that the transferee's license authorizes the receipt of the type, form, and quantity of radioactive material to be transferred.

(4) The following methods for the verification required by Subsection R313-19-41(3) are acceptable:

(a) the transferor may possess, and read a current copy of the transferee's specific license or registration certificate;

(b) the transferor may possess a written certification by the transferee that the transferee is authorized by license or registration certificate to receive the type, form, and quantity of radioactive material to be transferred, specifying the license or registration certificate number, issuing agency, and expiration date;

(c) for emergency shipments, the transferor may accept oral certification by the transferee that the transferee is authorized by license or registration certificate to receive the type, form, and quantity of radioactive material to be transferred, specifying the license or registration certificate number, issuing agency, and expiration date, provided that the oral certification is confirmed in writing within ten days;

(d) the transferor may obtain other information compiled by a reporting service from official records of the Executive Secretary, the U.S. Nuclear Regulatory Commission, an Agreement State, or a Licensing State regarding the identity of licensees and the scope and expiration dates of licenses and registration; or

(e) when none of the methods of verification described in Subsection R313-19-41(4) are readily available or when a transferor desires to verify that information received by one of the methods is correct or up-to-date, the transferor may obtain and record confirmation from the Executive Secretary, the U.S. Nuclear Regulatory Commission, an Agreement State, or a Licensing State that the transferee is licensed to receive the radioactive material.

(5) Shipment and transport of radioactive material shall be in accordance with the provisions of Section R313-19-100.

R313-19-50. Reporting Requirements.

(1) Licensees shall notify the Executive Secretary as soon as possible but not later than four hours after the discovery of an event that prevents immediate protective actions necessary to avoid exposures to radiation or radioactive materials that could exceed regulatory limits or releases of licensed material that could exceed regulatory limits. Events may include fires, explosions, toxic gas releases, etc.

(2) The following events involving licensed material require notification of the Executive Secretary by the licensee within 24 hours:

(a) an unplanned contamination event that:

(i) requires access to the contamination area, by workers or the public, to be restricted for more than 24 hours by imposing additional radiological controls or by prohibiting entry into the area;

(ii) involves a quantity of material greater than five times the lowest annual limit on intake specified in Appendix B of 10 CFR 20.1001 through 20.2402 (2000), which is incorporated by reference, for the material; and

(iii) has access to the area restricted for a reason other than to allow radionuclides with a half-life of less than 24 hours to decay prior to decontamination; or

(b) an event in which equipment is disabled or fails to function as designed when:

(i) the equipment is required by rule or license condition to prevent releases exceeding regulatory limits, to prevent exposures to radiation and radioactive materials exceeding regulatory limits, or to mitigate the consequences of an accident;

(ii) the equipment is required by rule or license condition to be available and operable; and

(iii) no redundant equipment is available and operable to perform the required safety function; or

(c) an event that requires unplanned medical treatment at a medical facility of an individual with spreadable radioactive contamination on the individual's clothing or body; or

(d) an unplanned fire or explosion damaging licensed material or a device, container, or equipment containing licensed material when:

(i) the quantity of material involved is greater than five times the lowest annual limit on intake specified in Appendix B of 10 CFR 20.1001 through 20.2402 (2000), which is incorporated by reference, for the material; and

(ii) the damage affects the integrity of the licensed material or its container.

(3) Preparation and submission of reports. Reports made by licensees in response to the requirements of Section R313-19-50 must be made as follows:

(a) licensees shall make reports required by Subsections R313-19-50(1) and (2) by telephone to the Executive Secretary. To the extent that the information is available at the time of notification, the information provided in these reports must include:

(i) the caller's name and call back telephone number;

(ii) a description of the event, including date and time;

(iii) the exact location of the event;

(iv) the radionuclides, quantities, and chemical and physical form of the licensed material involved; and

(v) available personnel radiation exposure data.

(b) Written report. A licensee who makes a report required by Subsections R313-19-50(1) or (2) shall submit a written follow-up report within 30 days of the initial report. Written reports prepared pursuant to other rules may be submitted to fulfill this requirement if the reports contain all of the necessary information and the appropriate distribution is made. These written reports shall be sent to the Executive Secretary. The report shall include the following:

(i) A description of the event, including the probable cause and the manufacturer and model number, if applicable, of equipment that failed or malfunctioned;

(ii) the exact location of the event;

(iii) the radionuclides, quantities, and chemical and physical form of the licensed material involved;

(iv) date and time of the event;

(v) corrective actions taken or planned and results of evaluations or assessments; and

(vi) the extent of exposure of individuals to radiation or radioactive materials without identification of individuals by name.

R313-19-61. Modification, Revocation, and Termination of Licenses.

(1) The terms and conditions of all licenses shall be subject to amendment, revision, or modification or the license may be suspended or revoked by reason of amendments to the Act, or by reason of rules, and orders issued by the Executive Secretary.

(2) Licenses may be revoked, suspended, or modified, in whole or in part, for any material false statement in the application or any statement of fact required under provisions of the Act, or because of conditions revealed by the application or statement of fact or any report, record, or inspection or other means which would warrant the Executive Secretary to refuse to grant a license on an original application, or for violation of, or failure to observe any of the terms and conditions of the Act, or of the license, or of any rule, or order of the Executive Secretary.

(3) Administrative reviews, modifications, revocations or terminations of licenses will be in accordance with Title 19, Chapter 3.

(4) The Executive Secretary may terminate a specific license upon written request submitted by the licensee to the Executive Secretary.

R313-19-70. Exempt Concentrations of Radioactive Materials.

Refer to Subsection R313-19-13(2)(a)

TABLE

Element (Atomic Number)	Radionuclide	Column I Concentration Material Normally Used As Gas (uCi/ml)	Column II Concentration Liquid (uCi/ml) Solid (uCi/g)
Antimony (51)	Sb-122		3 E-4
	Sb-124		2 E-4
	Sb-125		1 E-3
Argon (18)	Ar-37	1 E-3	
	Ar-41	4 E-7	
Arsenic (33)	As-73		5 E-3
	As-74		5 E-4
	As-76		2 E-4
	As-77		8 E-4
Barium (56)	Ba-131		2 E-3
	Ba-140		3 E-4
Beryllium (4)	Be-7		2 E-2
Bismuth (83)	Bi-206		4 E-4
Bromine (35)	Br-82	4 E-7	3 E-3
Cadmium (48)	Cd-109		2 E-3
	Cd-115m		3 E-4
	Cd-115		3 E-4
Calcium (20)	Ca-45		9 E-5
	Ca-47		5 E-4
Carbon (6)	C-14	1 E-6	8 E-3
Cerium (58)	Ce-141		9 E-4
	Ce-143		4 E-4
	Ce-144		1 E-4
Cesium (55)	Cs-131		2 E-2
	Cs-134m		6 E-2
	Cs-134		9 E-5
Chlorine (17)	Cl-38	9 E-7	4 E-3
Chromium (24)	Cr-51		2 E-2
Cobalt (27)	Co-57		5 E-3
	Co-58		1 E-3
	Co-60		5 E-4
Copper (29)	Cu-64		3 E-3
Dysprosium (66)	Dy-165		4 E-3
	Dy-166		4 E-4
Erbium (68)	Er-169		9 E-4
	Er-171		1 E-3
Europium (63)	Eu-152 (T = 9.2 h)		6 E-4
	Eu-155		2 E-3
Fluorine (9)	F-18	2 E-6	8 E-3
Gadolinium (64)	Gd-153		2 E-3
	Gd-159		8 E-4
Gallium (31)	Ga-72		4 E-4
Germanium (32)	Ge-71		2 E-2
Gold (79)	Au-196		2 E-3
	Au-198		5 E-4
	Au-199		2 E-3
Hafnium (72)	Hf-181		7 E-4
Hydrogen (1)	H-3	5 E-6	3 E-2
Indium (49)	In-113m		1 E-2
	In-114m		2 E-4
Iodine (53)	I-126	3 E-9	2 E-5
	I-131	3 E-9	2 E-5
	I-132	8 E-8	6 E-4
	I-133	1 E-8	7 E-5
	I-134	2 E-7	1 E-3
Iridium (77)	Ir-190		2 E-3
	Ir-192		4 E-4
	Ir-194		3 E-4
Iron (26)	Fe-55		8 E-3
	Fe-59		6 E-4
Krypton (36)	Kr-85m	1 E-6	
	Kr-85	3 E-6	
Lanthanum (57)	La-140		2 E-4
Lead (82)	Pb-203		4 E-3
Lutetium (71)	Lu-177		1 E-3
Manganese (25)	Mn-52		3 E-4
	Mn-54		1 E-3
	Mn-56		1 E-3
Mercury (80)	Hg-197m		2 E-3
	Hg-197		3 E-3
	Hg-203		2 E-4
Molybdenum (42)	Mo-99		2 E-3
Neodymium (60)	Nd-147		6 E-4
	Nd-149		3 E-3
Nickel (28)	Ni-65		1 E-3
Niobium (Columbium) (41)	Nb-95		1 E-3
	Nb-97		9 E-3
Osmium (76)	Os-185		7 E-4
	Os-191m		3 E-2
	Os-191		2 E-3
	Os-193		6 E-4
Palladium (46)	Pd-103		3 E-3
	Pd-109		9 E-4
Phosphorus (15)	P-32		2 E-4
Platinum (78)	Pt-191		1 E-3
	Pt-193m		1 E-2
	Pt-197m		1 E-2
	Pt-197		1 E-3
Potassium (19)	K-42		3 E-3
Praseodymium (59)	Pr-142		3 E-4
	Pr-143		5 E-4
Promethium (61)	Pm-147		2 E-3
	Pm-149		4 E-3
Rhenium (75)	Re-183		6 E-4
	Re-186		9 E-3
	Re-188		6 E-4
Rhodium (45)	Rh-103m		1 E-1
	Rh-105		1 E-3
Rubidium (37)	Rb-86		7 E-4
Ruthenium (44)	Ru-97		4 E-4
	Ru-103		8 E-4
	Ru-105		1 E-3
	Ru-106		1 E-4
Samarium (62)	Sm-153		8 E-4
Scandium (21)	Sc-46		4 E-4
	Sc-47		9 E-4
	Sc-48		3 E-4
Selenium (34)	Se-75		3 E-3
Silicon (14)	Si-31		9 E-3
Silver (47)	Ag-105		1 E-3
	Ag-110m		3 E-4
	Ag-111		4 E-4
Sodium (11)	Na-24		2 E-3
Strontium (38)	Sr-85		1 E-4
	Sr-89		1 E-4
	Sr-91		7 E-4

	Sr-92		7 E-4
Sulfur (16)	S-35	9 E-8	6 E-4
Tantalum (73)	Ta-182		4 E-4
Technetium (43)	Tc-96m		1 E-1
	Tc-96		1 E-3
Tellurium (52)	Te-125m		2 E-3
	Te-127m		6 E-4
	Te-127		3 E-3
	Te-129m		3 E-4
	Te-131m		6 E-4
	Te-132		3 E-4
Terbium (65)	Tb-160		4 E-4
Thallium (81)	Tl-200		4 E-3
	Tl-201		3 E-3
	Tl-202		1 E-3
	Tl-204		1 E-3
Thulium (69)	Tm-170		5 E-4
	Tm-171		5 E-3
Tin (50)	Sn-113		9 E-4
	Sn-125		2 E-4
Tungsten	W-181		4 E-3
(Wolfram)(74)	W-187		7 E-4
Vanadium (23)	V-48		3 E-4
Xenon (54)	Xe-131m	4 E-6	
	Xe-133	3 E-6	
	Xe-135	1 E-6	
Ytterbium (70)	Yb-175		1 E-3
Yttrium (39)	Y-90		2 E-4
	Y-91m		3 E-2
	Y-91		3 E-4
	Y-92		6 E-4
	Y-93		3 E-4
Zinc (30)	Zn-65		1 E-3
	Zn-69m		7 E-4
	Zn-69		2 E-2
Zirconium (40)	Zr-95		6 E-4
	Zr-97		2 E-4
Beta or gamma emitting radioactive material not listed above with half-life less than 3 years		1 E-10	1 E-6

(1) In expressing the concentrations in Section R313-19-70, the activity stated is that of the parent radionuclide and takes into account the radioactive decay products, because many radionuclides disintegrate into radionuclides which are also radioactive.

(2) For purposes of Subsection R313-19-13(2)(a) where there is involved a combination of radionuclides, the limit for the combination should be derived as follows: Determine for each radionuclide in the product the ratio between the radioactivity concentration present in the product and the exempt radioactivity concentration established in Section R313-19-70 for the specific radionuclide when not in combination. The sum of the ratios may not exceed one or unity.

(3) To convert microcuries (uCi) to SI units of kilobecquerels (kBq), multiply the above values by 37.

R313-19-71. Exempt Quantities of Radioactive Materials.

Refer to Subsection R313-19-13(2)(b)

TABLE

RADIOACTIVE MATERIAL	MICROCURIES
Antimony-122 (Sb-122)	100
Antimony-124 (Sb-124)	10
Antimony-125 (Sb-125)	10
Arsenic-73 (As-73)	100
Arsenic-74 (As-74)	10
Arsenic-76 (As-76)	10
Arsenic-77 (As-77)	100
Barium-131 (Ba-131)	10
Barium-133 (Ba-133)	10
Barium-140 (Ba-140)	10
Bismuth-210 (Bi-210)	1
Bromine-82 (Br-82)	10
Cadmium-109 (Cd-109)	10
Cadmium-115m (Cd-115m)	10
Cadmium-115 (Cd-115)	100
Calcium-45 (Ca-45)	10
Calcium-47 (Ca-47)	10
Carbon-14 (C-14)	100
Cerium-141 (Ce-141)	100
Cerium-143 (Ce-143)	100
Cerium-144 (Ce-144)	1
Cesium-129 (Cs-129)	100
Cesium-131 (Cs-131)	1,000
Cesium-134m (Cs-134m)	100
Cesium-134 (Cs-134)	1
Cesium-135 (Cs-135)	10
Cesium-136 (Cs-136)	10
Cesium-137 (Cs-137)	10
Chlorine-36 (Cl-36)	10
Chlorine-38 (Cl-38)	10
Chromium-51 (Cr-51)	1,000
Cobalt-57 (Co-57)	100
Cobalt-58m (Co-58m)	10
Cobalt-58 (Co-58)	10
Cobalt-60 (Co-60)	1
Copper-64 (Cu-64)	100
Dysprosium-165 (Dy-165)	10
Dysprosium-166 (Dy-166)	100
Erbium-169 (Er-169)	100
Erbium-171 (Er-171)	100
Europium-152 (Eu-152) 9.2h	100
Europium-152 (Eu-152) 13 yr	1
Europium-154 (Eu-154)	1
Europium-155 (Eu-155)	10
Fluorine-18 (F-18)	1,000
Gadolinium-153 (Gd-153)	10
Gadolinium-159 (Gd-159)	100
Gallium-67 (Ga-67)	100
Gallium-72 (Ga-72)	10
Germanium-68 (Ge-68)	10
Germanium-71 (Ge-71)	100
Gold-195 (Au 195)	10
Gold-198 (Au-198)	100
Gold-199 (Au-199)	100
Hafnium-181 (Hf-181)	10
Holmium-166 (Ho-166)	100
Hydrogen-3 (H-3)	1,000
Indium-111 (In-111)	100
Indium-113m (In-113m)	100
Indium-114m (In-114m)	10
Indium-115m (In-115m)	100
Indium-115 (In-115)	10
Iodine-123 (I-123)	100
Iodine-125 (I-125)	1
Iodine-126 (I-126)	1
Iodine-129 (I-129)	0.1
Iodine-131 (I-131)	1
Iodine-132 (I-132)	10
Iodine-133 (I-133)	1
Iodine-134 (I-134)	10
Iodine-135 (I-135)	10
Iridium-192 (Ir-192)	10
Iridium-194 (Ir-194)	100
Iron-52 (Fe-52)	10
Iron-55 (Fe-55)	100
Iron-59 (Fe-59)	10
Krypton-85 (Kr-85)	100
Krypton-87 (Kr-87)	10
Lanthanum-140 (La-140)	10
Lutetium-177 (Lu-177)	100
Manganese-52 (Mn-52)	10
Manganese-54 (Mn-54)	10
Manganese-56 (Mn-56)	10
Mercury-197m (Hg-197m)	100
Mercury-197 (Hg-197)	100
Mercury-203 (Hg-203)	10
Molybdenum-99 (Mo-99)	100
Neodymium-147 (Nd-147)	100
Neodymium-149 (Nd-149)	100
Nickel-59 (Ni-59)	100
Nickel-63 (Ni-63)	10
Nickel-65 (Ni-65)	100
Niobium-93m (Nb-93m)	10
Niobium-95 (Nb-95)	10
Niobium-97 (Nb-97)	10
Osmium-185 (Os-185)	10
Osmium-191m (Os-191m)	100
Osmium-191 (Os-191)	100
Osmium-193 (Os-193)	100
Palladium-103 (Pd-103)	100
Palladium-109 (Pd-109)	100
Phosphorus-32 (P-32)	10
Platinum-191 (Pt-191)	100
Platinum-193m (Pt-193m)	100
Platinum-193 (Pt-193)	100
Platinum-197m (Pt-197m)	100
Platinum-197 (Pt-197)	100
Polonium-210 (Po-210)	0.1

Potassium-42 (K-42)	10
Potassium-43 (K-43)	10
Praseodymium-142 (Pr-142)	100
Praseodymium-143 (Pr-143)	100
Promethium-147 (Pm-147)	10
Promethium-149 (Pm-149)	10
Rhenium-186 (Re-186)	100
Rhenium-188 (Re-188)	100
Rhodium-103m (Rh-103m)	100
Rhodium-105 (Rh-105)	100
Rubidium-81 (Rb-81)	10
Rubidium-86 (Rb-86)	10
Rubidium-87 (Rb-87)	10
Ruthenium-97 (Ru-97)	100
Ruthenium-103 (Ru-103)	10
Ruthenium-105 (Ru-105)	10
Ruthenium-106 (Ru-106)	1
Samarium-151 (Sm-151)	10
Samarium-153 (Sm-153)	100
Scandium-46 (Sc-46)	10
Scandium-47 (Sc-47)	100
Scandium-48 (Sc-48)	10
Selenium-75 (Se-75)	10
Silicon-31 (Si-31)	100
Silver-105 (Ag-105)	10
Silver-110m (Ag-110m)	1
Silver-111 (Ag-111)	100
Sodium-22 (Na-22)	10
Sodium-24 (Na-24)	10
Strontium-85 (Sr-85)	10
Strontium-89 (Sr-89)	1
Strontium-90 (Sr-90)	0.1
Strontium-91 (Sr-91)	10
Strontium-92 (Sr-92)	10
Sulfur-35 (S-35)	100
Tantalum-182 (Ta-182)	10
Technetium-96 (Tc-96)	10
Technetium-97m (Tc-97m)	100
Technetium-97 (Tc-97)	100
Technetium-99m (Tc-99m)	100
Technetium-99 (Tc-99)	10
Tellurium-125m (Te-125m)	10
Tellurium-127m (Te-127m)	10
Tellurium-127 (Te-127)	100
Tellurium-129m (Te-129m)	10
Tellurium-129 (Te-129)	100
Tellurium 131m (Te-131m)	10
Tellurium-132 (Te-132)	10
Terbium-160 (Tb-160)	10
Thallium-200 (Tl-200)	100
Thallium-201 (Tl-201)	100
Thallium-202 (Tl-202)	100
Thallium-204 (Tl-204)	10
Thulium-170 (Tm-170)	10
Thulium-171 (Tm-171)	10
Tin-113 (Sn-113)	10
Tin-125 (Sn-125)	10
Tungsten-181 (W-181)	10
Tungsten-185 (W-185)	10
Tungsten-187 (W-187)	100
Vanadium-48 (V-48)	10
Xenon-131m (Xe-131m)	1,000
Xenon-133 (Xe-133)	100
Xenon-135 (Xe-135)	100
Ytterbium-175 (Yb-175)	100
Yttrium-87 (Y-87)	10
Yttrium-88 (Y-88)	10
Yttrium-90 (Y-90)	10
Yttrium-91 (Y-91)	10
Yttrium-92 (Y-92)	100
Yttrium-93 (Y-93)	100
Zinc-65 (Zn-65)	10
Zinc-69m (Zn-69m)	100
Zinc-69 (Zn-69)	1,000
Zirconium-93 (Zr-93)	10
Zirconium-95 (Zr-95)	10
Zirconium-97 (Zr-97)	10
Any radioactive material not listed above other than alpha emitting radioactive material.	0.1

(1) To convert microcuries (uCi) to SI units of kilobecquerels (kBq), multiply the above values by 37.

R313-19-100. Transportation.

For purposes of Section R313-19-100, 10 CFR 71.4, 71.10, 71.12, 71.13(a) and (b) through 71.16, 71.47, 71.81, 71.85 through 71.89, 71.97 (1998), and Appendix A to part 71 are incorporated by reference with the following clarifications or exceptions:

(1) The substitution of the following:

(a) "Issued by the Executive Secretary" for reference to "issued by the Commission" in 10 CFR 71.4;

(b) "Licensee" for reference to "licensee of the Commission";

(c) "Subsection R313-19-100(3)" for reference to "10 CFR 71.5";

(d) "Subsection R313-15-906(5)" for reference to "10 CFR 20.1906(e)";

(e) "Section R313-15-502" for reference to "10 CFR 20.1502"; and

(f) "Utah" for reference to "the United States" in 10 CFR 71.10(b)(3);

(2) The exclusion of the following:

(a) "close reflection by water" and "optimum interspersed hydrogenous moderation" in 10 CFR 71.4;

(b) "10 CFR 71.12(b)", "10 CFR 71.14(b)", and "10 CFR 71.16(b)"; and

(c) "subpart H" in 10 CFR 71.12(c)(2), 71.14(c)(2), 71.16(d)(2), and 71.81;

(3) Transportation of licensed material.

(a) Each licensee who transports licensed material outside the site of usage, as specified in the license, or where transport is on public highways, or who delivers licensed material to a carrier for transport, shall comply with the applicable requirements of the U.S. Department of Transportation (DOT) regulations in 49 CFR 170 through 189 (1998) appropriate to the mode of transport.

(i) The licensee shall particularly note DOT regulations in the following areas:

(A) Packaging--49 CFR 173.1 through 173.13, 173.21 through 173.40, and 173.401 through 173.476;

(B) Marking and labeling--49 CFR 172.300 through 172.338, 172.400 through 172.407, 172.436 through 172.440, and 172.400 through 172.450;

(C) Placarding--49 CFR 172.500 through 172.560 and Appendices B and C;

(D) Accident reporting--49 CFR 171.15 and 171.16;

(E) Shipping papers and emergency information--49 CFR 172.200 through 172.205 and 172.600 through 172.606;

(F) Hazardous material employee training--49 CFR 172.700 through 172.704; and

(G) Hazardous material shipper/carrier registration--49 CFR 107.601 through 107.620.

(ii) The licensee shall also note DOT regulations pertaining to the following modes of transportation:

(A) Rail--49 CFR 174.1 through 174.86 and 174.700 through 174.750;

(B) Air--49 CFR 175;

(C) Vessel--49 CFR 176.1 through 176.99 and 176.700 through 176.715; and

(D) Public Highway--49 CFR 177 and 390 through 397.

(b) If DOT regulations are not applicable to a shipment of licensed material, the licensee shall conform to the standards

and requirements of the DOT specified in paragraph (a) of this section to the same extent as if the shipment or transportation were subject to DOT regulations. A request for modification, wavier, or exemption from those requirements, and any notification referred to in those requirements, must be filed with, or made to, the Executive Secretary.

KEY: license, reciprocity, transportation, exemptions
January 26, 2001 19-3-104
Notice of Continuation October 10, 2001 19-3-108

R313. Environmental Quality, Radiation Control.
R313-22. Specific Licenses.
R313-22-1. Purpose and Authority.

(1) The purpose of this rule is to prescribe the requirements for the issuance of specific licenses.

(2) The rules set forth herein are adopted pursuant to the provisions of Subsections 19-3-104(3) and 19-3-104(6).

R313-22-2. General.

The provisions and requirements of Rule R313-22 are in addition to, and not in substitution for, other requirements of these rules. In particular the provisions of Rule R313-19 apply to applications and licenses subject to Rule R313-22.

R313-22-4. Definitions.

"Alert" means events may occur, are in progress, or have occurred that could lead to a release of radioactive material but that the release is not expected to require a response by off-site response organizations to protect persons off-site.

"Principal activities" means activities authorized by the license which are essential to achieving the purpose(s) for which the license was issued or amended. Storage during which no licensed material is accessed for use or disposal and activities incidental to decontamination or decommissioning are not principal activities.

"Site Area Emergency" means events may occur, are in progress, or have occurred that could lead to a significant release of radioactive material and that could require a response by off-site response organizations to protect persons off-site.

R313-22-30. Specific License by Rule.

A license by rule is issued in the following circumstances, without the necessity of filing an application for a specific license as required by Subsection R313-22-32(1), and the licensee shall be subject to the applicable provisions of Sections R313-22-33, R313-22-34, R313-22-35, R313-22-36 and R313-22-37:

(1) When a site must be timely remediated of contamination by radioactive materials that are subject to licensing under these rules but are unlicensed;

(2) When radioactive materials existing as a result of improper handling, spillage, accidental contamination, or unregulated or illegal possession, transfer, or receipt, must be stored and those materials have not been licensed under these rules.

R313-22-32. Filing Application for Specific Licenses.

(1) Applications for specific licenses shall be filed on a form prescribed by the Executive Secretary.

(2) The Executive Secretary may, after the filing of the original application, and before the expiration of the license, require further statements in order to enable the Executive Secretary to determine whether the application should be granted or denied or whether a license should be modified or revoked.

(3) Applications shall be signed by the applicant or licensee or a person duly authorized to act for and on the applicant's behalf.

(4) An application for a license may include a request for a license authorizing one or more activities.

(5) In the application, the applicant may incorporate by reference information contained in previous applications, statements, or reports filed with the Executive Secretary, provided the references are clear and specific.

(6) An application for a specific license to use radioactive material in the form of a sealed source or in a device that contains the sealed source shall identify the source or device by manufacturer and model number as registered with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210, 2001 ed. or the equivalent regulations of an Agreement State.

(7) As provided by Section R313-22-35, certain applications for specific licenses filed under these rules shall contain a proposed decommissioning funding plan or a certification of financial assurance for decommissioning. In the case of renewal applications submitted before January 1, 1995, this submittal may follow the renewal application but shall be submitted on or before January 1, 1995.

(8)(a) Applications to possess radioactive materials in unsealed form, on foils or plated sources, or sealed in glass in excess of the quantities in Section R313-22-90, "Quantities of Radioactive Materials Requiring Consideration of the Need for an Emergency Plan for Responding to a Release", shall contain either:

(i) An evaluation showing that the maximum dose to a individual off-site due to a release of radioactive materials would not exceed one rem effective dose equivalent or five rems to the thyroid; or

(ii) An emergency plan for responding to a release of radioactive material.

(b) One or more of the following factors may be used to support an evaluation submitted under Subsection R313-22-32(8)(a)(i):

(i) The radioactive material is physically separated so that only a portion could be involved in an accident;

(ii) All or part of the radioactive material is not subject to release during an accident because of the way it is stored or packaged;

(iii) The release fraction in the respirable size range would be lower than the release fraction shown in Section R313-22-90 due to the chemical or physical form of the material;

(iv) The solubility of the radioactive material would reduce the dose received;

(v) Facility design or engineered safety features in the facility would cause the release fraction to be lower than shown in Section R313-22-90;

(vi) Operating restrictions or procedures would prevent a release fraction as large as that shown in Section R313-22-90; or

(vii) Other factors appropriate for the specific facility.

(c) An emergency plan for responding to a release of radioactive material submitted under Subsection R313-22-32(8)(a)(ii) shall include the following information:

(i) Facility description. A brief description of the licensee's facility and area near the site.

(ii) Types of accidents. An identification of each type of radioactive materials accident for which protective actions may be needed.

(iii) Classification of accidents. A classification system

for classifying accidents as alerts or site area emergencies.

(iv) Detection of accidents. Identification of the means of detecting each type of accident in a timely manner.

(v) Mitigation of consequences. A brief description of the means and equipment for mitigating the consequences of each type of accident, including those provided to protect workers on-site, and a description of the program for maintaining equipment.

(vi) Assessment of releases. A brief description of the methods and equipment to assess releases of radioactive materials.

(vii) Responsibilities. A brief description of the responsibilities of licensee personnel should an accident occur, including identification of personnel responsible for promptly notifying off-site response organizations and the Executive Secretary; also responsibilities for developing, maintaining, and updating the plan.

(viii) Notification and coordination. A commitment to and a brief description of the means to promptly notify off-site response organizations and request off-site assistance, including medical assistance for the treatment of contaminated injured on-site workers when appropriate. A control point shall be established. The notification and coordination shall be planned so that unavailability of some personnel, parts of the facility, and some equipment will not prevent the notification and coordination. The licensee shall also commit to notify the Executive Secretary immediately after notification of the appropriate off-site response organizations and not later than one hour after the licensee declares an emergency.

NOTE: These reporting requirements do not supersede or release licensees of complying with the requirements under the Emergency Planning and Community Right-to-Know Act of 1986, Title III, Public Law 99-499 or other state or federal reporting requirements, including 40 CFR 302, 2000 ed.

(ix) Information to be communicated. A brief description of the types of information on facility status, radioactive releases, and recommended protective actions, if necessary, to be given to off-site response organizations and to the Executive Secretary.

(x) Training. A brief description of the frequency, performance objectives and plans for the training that the licensee will provide workers on how to respond to an emergency including special instructions and orientation tours the licensee would offer to fire, police, medical and other emergency personnel. The training shall familiarize personnel with site-specific emergency procedures. Also, the training shall thoroughly prepare site personnel for their responsibilities in the event of accident scenarios postulated as most probable for the specific site including the use of team training for the scenarios.

(xi) Safe shutdown. A brief description of the means of restoring the facility to a safe condition after an accident.

(xii) Exercises. Provisions for conducting quarterly communications checks with off-site response organizations and biennial on-site exercises to test response to simulated emergencies. Quarterly communications checks with off-site response organizations shall include the check and update of all necessary telephone numbers. The licensee shall invite off-site response organizations to participate in the biennial exercises. Participation of off-site response organizations in biennial exercises although recommended is not required. Exercises shall use accident scenarios postulated as most probable for the specific site and the scenarios shall not be known to most exercise participants. The licensee shall critique each exercise using individuals not having direct implementation responsibility for the plan. Critiques of exercises shall evaluate the appropriateness of the plan, emergency procedures, facilities, equipment, training of personnel, and overall effectiveness of the response. Deficiencies found by the critiques shall be corrected.

(xiii) Hazardous chemicals. A certification that the applicant has met its responsibilities under the Emergency Planning and Community Right-to-Know Act of 1986, Title III, Public Law 99-499, if applicable to the applicant's activities at the proposed place of use of the radioactive material.

(d) The licensee shall allow the off-site response organizations expected to respond in case of an accident 60 days to comment on the licensee's emergency plan before submitting it to the Executive Secretary. The licensee shall provide any comments received within the 60 days to the Executive Secretary with the emergency plan.

R313-22-33. General Requirements for the Issuance of Specific Licenses.

(1) A license application shall be approved if the Executive Secretary determines that:

(a) the applicant and all personnel who will be handling the radioactive material are qualified by reason of training and experience to use the material in question for the purpose requested in accordance with these rules in a manner as to minimize danger to public health and safety or the environment;

(b) the applicant's proposed equipment, facilities, and procedures are adequate to minimize danger to public health and safety or the environment;

(c) the applicant's facilities are permanently located in Utah, otherwise the applicant shall seek reciprocal recognition as required by Section R313-19-30;

(d) the issuance of the license will not be inimical to the health and safety of the public;

(e) the applicant satisfies applicable special requirements in Sections R313-22-50 and R313-22-75, and Rules R313-25, R313-32, R313-34, R313-36, or R313-38; and

(f) in the case of an application for a license to receive and possess radioactive material for commercial waste disposal by land burial, or for the conduct of other activities which the Executive Secretary determines will significantly affect the quality of the environment, the Executive Secretary, before commencement of construction of the plant or facility in which the activity will be conducted, has concluded, after weighing the environmental, economic, technical and other benefits against environmental costs and considering available alternatives, that the action called for is the issuance of the proposed license, with any appropriate conditions to protect environmental values. The Executive Secretary shall respond to the application within 60 days. Commencement of construction prior to a response and conclusion shall be grounds for denial of a license to receive and possess radioactive material in the plant or facility. As used in this paragraph the term "commencement of construction" means clearing of land, excavation, or other substantial action

that would adversely affect the environment of a site. The term does not mean site exploration, necessary borings to determine foundation conditions, or other preconstruction monitoring or testing to establish background information related to the suitability of the site or the protection of environmental values.

R313-22-34. Issuance of Specific Licenses.

(1) Upon a determination that an application meets the requirements of the Act and the rules of the Board, the Executive Secretary will issue a specific license authorizing the proposed activity in a form and containing conditions and limitations as the Executive Secretary deems appropriate or necessary.

(2) The Executive Secretary may incorporate in licenses at the time of issuance, additional requirements and conditions with respect to the licensee's receipt, possession, use and transfer of radioactive material subject to Rule R313-22 as he deems appropriate or necessary in order to:

(a) minimize danger to public health and safety or the environment;

(b) require reports and the keeping of records, and to provide for inspections of activities under the license as may be appropriate or necessary; and

(c) prevent loss or theft of material subject to Rule R313-22.

R313-22-35. Financial Assurance and Recordkeeping for Decommissioning.

(1) Applicants for a specific license authorizing the possession and use of unsealed radioactive material of half-life greater than 120 days and in quantities exceeding 10^5 times the applicable quantities set forth in Appendix B of 10 CFR 30.1 through 30.72, 2001 ed., which is incorporated by reference, shall submit a decommissioning funding plan as described in Subsection R313-22-35(5). The decommissioning funding plan shall also be submitted when a combination of radionuclides is involved if R divided by 10^5 is greater than one, where R is defined here as the sum of the ratios of the quantity of each radionuclide to the applicable value in Appendix B of 10 CFR 30.1 through 30.72, 2001 ed., which is incorporated by reference.

(2) Applicants for a specific license authorizing possession and use of radioactive material of half-life greater than 120 days and in quantities specified in Subsection R313-22-35(4) shall either:

(a) submit a decommissioning funding plan as described in Subsection R313-22-35(5); or

(b) submit a certification that financial assurance for decommissioning has been provided in the amount prescribed by Subsection R313-22-35(4) using one of the methods described in Subsection R313-22-35(6). For an applicant, this certification may state that the appropriate assurance will be obtained after the application has been approved and the license issued but before the receipt of licensed material. If the applicant defers execution of the financial instrument until after the license has been issued, a signed original of the financial instrument obtained to satisfy the requirements of Subsection R313-22-35(6) shall be submitted to the Executive Secretary before receipt of licensed material. If the applicant does not defer execution of the financial instrument, the applicant shall submit to the Executive Secretary, as part of the certification, a signed original of the financial instrument obtained to satisfy the requirements in Subsection R313-22-35(6).

(3)(a) Holders of a specific license issued on or after January 1, 1995, which is of a type described in Subsections R313-22-35(1) or (2) shall provide financial assurance for decommissioning in accordance with the criteria set forth in Section R313-22-35.

(b) Holders of a specific license issued before January 1, 1995, and of a type described in Subsection R313-22-35(1) shall submit, on or before January 1, 1995, a decommissioning funding plan as described in Subsection R313-22-35(5) or a certification of financial assurance for decommissioning in an amount at least equal to $750,000 in accordance with the criteria set forth in Section R313-22-35. If the licensee submits the certification of financial assurance rather than a decommissioning funding plan, the licensee shall include a decommissioning funding plan in any application for license renewal.

(c) Holders of a specific license issued before January 1, 1995, and of a type described in Subsection R313-22-35(2) shall submit, on or before January 1, 1995, a decommissioning funding plan as described in Subsection R313-22-35(5) or a certification of financial assurance for decommissioning in accordance with the criteria set forth in Section R313-22-35.

(d) A licensee who has submitted an application before January 1, 1995, for renewal of license in accordance with Section R313-22-37 shall provide financial assurance for decommissioning in accordance with Subsections R313-22-35(1) and (2). This assurance shall be submitted before January 1, 1997.

(4) Table of required amounts of financial assurance for decommissioning by quantity of material:

TABLE

Greater than 10^4 but less than or equal to 10^5 times the applicable quantities of radioactive material, as defined in Appendix B of 10 CFR 30.1 through 30.72, 2001 ed., which is incorporated by reference, in unsealed form. For a combination of radionuclides, if R, as defined in Subsection R313-22-35(1) divided by 10^4 is greater than one but R divided by 10^5 is less than or equal to one:	$750,000
Greater than 10^3 but less than or equal to 10^4 times the applicable quantities of radioactive material, as defined in Appendix B of 10 CFR 30.1 through 30.72, 2001 ed., which is incorporated by reference, in unsealed form. For a combination of radionuclides, if R, as defined in Subsection R313-22-35(1) divided by 10^3 is greater than one but R divided by 10^4 is less than or equal to one:	$150,000
Greater than 10^{10} times the applicable quantities of radioactive material, as defined in Appendix B of 10 CFR 30.1 through 30.72, 2001 ed., which is incorporated by reference, in sealed sources or plated foils. For combination of radionuclides, if R, as defined in R313-22-35(1), divided by 10^{10} is greater than one:	$75,000

(5) A decommissioning funding plan shall contain a cost estimate for decommissioning and a description of the method

of assuring funds for decommissioning from Subsection R313-22-35(6), including means for adjusting cost estimates and associated funding levels periodically over the life of the facility. The decommissioning funding plan shall also contain a certification by the licensee that financial assurance for decommissioning has been provided in the amount of the cost estimate for decommissioning and a signed original of the financial instrument obtained to satisfy the requirements of Subsection R313-22-35(6).

(6) Financial assurance for decommissioning shall be provided by one or more of the following methods:

(a) Prepayment. Prepayment is the deposit prior to the start of operation into an account segregated from licensee assets and outside the licensee's administrative control of cash or liquid assets so that the amount of funds would be sufficient to pay decommissioning costs. Prepayment may be in the form of a trust, escrow account, government fund, certificate of deposit, or deposit of government securities;

(b) A surety method, insurance, or other guarantee method. These methods shall guarantee that decommissioning costs will be paid. A surety method may be in the form of a surety bond, letter of credit, or line of credit. A parent company guarantee of funds for decommissioning costs based on a financial test may be used if the guarantee and test are as contained in Subsection R313-22-35(8). A parent company guarantee may not be used in combination with other financial methods to satisfy the requirements of Section R313-22-35. A guarantee of funds by the applicant or licensee for decommissioning costs based on a financial test may be used if the guarantee and test are as contained in Subsection R313-22-35(9). A guarantee by the applicant or licensee may not be used in combination with any other financial methods to satisfy the requirements of Section R313-22-35 or in any situation where the applicant or licensee has a parent company holding majority control of the voting stock of the company. A surety method or insurance used to provide financial assurance for decommissioning shall contain the following conditions:

(i) the surety method or insurance shall be open-ended or, if written for a specified term, such as five years, shall be renewed automatically unless 90 days or more prior to the renewal date the issuer notifies the Executive Secretary, the beneficiary, and the licensee of its intention not to renew. The surety method or insurance shall also provide that the full face amount be paid to the beneficiary automatically prior to the expiration without proof of forfeiture if the licensee fails to provide a replacement acceptable to the Executive Secretary within 30 days after receipt of notification of cancellation,

(ii) the surety method or insurance shall be payable to a trust established for decommissioning costs. The trustee and trust shall be acceptable to the Executive Secretary. An acceptable trustee includes an appropriate state or federal government agency or an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency, and

(iii) the surety method or insurance shall remain in effect until the Executive Secretary has terminated the license;

(c) An external sinking fund in which deposits are made at least annually, coupled with a surety method or insurance, the value of which may decrease by the amount being accumulated in the sinking fund. An external sinking fund is a fund established and maintained by setting aside funds periodically in an account segregated from licensee assets and outside the licensee's administrative control in which the total amount of funds would be sufficient to pay decommissioning costs at the time termination of operation is expected. An external sinking fund may be in the form of a trust, escrow account, government fund, certificate of deposit, or deposit of government securities. The surety or insurance provisions shall be as stated in Subsection R313-22-35(6)(b);

(d) In the case of Federal, State or local government licensees, a statement of intent containing a cost estimate for decommissioning or an amount based on the Table in Subsection R313-22-35(4) and indicating that funds for decommissioning will be obtained when necessary; or

(e) When a governmental entity is assuming custody and ownership of a site, an arrangement that is deemed acceptable by such governmental entity.

(7) Persons licensed under Rule R313-22 shall keep records of information important to the decommissioning of a facility in an identified location until the site is released for unrestricted use. Before licensed activities are transferred or assigned in accordance with Subsection R313-19-34(2), licensees shall transfer all records described in Subsections R313-22-35(7)(a) through (d) to the new licensee. In this case, the new licensee will be responsible for maintaining these records until the license is terminated. If records important to the decommissioning of a facility are kept for other purposes, reference to these records and their locations may be used. Information the Executive Secretary considers important to decommissioning consists of the following:

(a) records of spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site. These records may be limited to instances when contamination remains after any cleanup procedures or when there is reasonable likelihood that contaminants may have spread to inaccessible areas as in the case of possible seepage into porous materials such as concrete. These records shall include any known information on identification of involved nuclides, quantities, forms, and concentrations;

(b) as-built drawings and modification of structures and equipment in restricted areas where radioactive materials are used or stored, and of locations of possible inaccessible contamination such as buried pipes which may be subject to contamination. If required drawings are referenced, each relevant document need not be indexed individually. If drawings are not available, the licensee shall substitute appropriate records of available information concerning these areas and locations;

(c) except for areas containing only sealed sources, provided the sources have not leaked or no contamination remains after a leak, or radioactive materials having only half-lives of less than 65 days, a list contained in a single document and updated every two years, including all of the following:

(i) all areas designated and formerly designated as restricted areas as defined under Section R313-12-3;

(ii) all areas outside of restricted areas that require documentation under Subsection R313-22-35(7)(a);

(iii) all areas outside of restricted areas where current and

previous wastes have been buried as documented under Section R313-15-1109; and

(iv) all areas outside of restricted areas which contain material such that, if the license expired, the licensee would be required to either decontaminate the area to meet the criteria for decommissioning in Sections R313-15-401 through R313-15-406, or apply for approval for disposal under Section R313-15-1002; and

(d) records of the cost estimate performed for the decommissioning funding plan or of the amount certified for decommissioning, and records of the funding method used for assuring funds if either a funding plan or certification is used.

(8) Criteria relating to use of financial tests and parent company guarantees for providing reasonable assurance of funds for decommissioning.

(a) To pass the financial test referred to in Subsection R313-22-35(6)(b), the parent company shall meet one of the following criteria:

(i) The parent company shall have all of the following:

(A) Two of the following three ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion, and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5;

(B) Net working capital and tangible net worth each at least six times the current decommissioning cost estimates, or prescribed amount if a certification is used;

(C) Tangible net worth of at least $10 million; and

(D) Assets located in the United States amounting to at least 90 percent of total assets or at least six times the current decommissioning cost estimates, or prescribed amount if a certification is used; or

(ii) The parent company shall have all of the following:

(A) A current rating for its most recent bond issuance of AAA, AA, A, or BBB as issued by Standard and Poor's or Aaa, Aa, A or Baa as issued by Moody's;

(B) Tangible net worth at least six times the current decommissioning cost estimate, or prescribed amount if a certification is used;

(C) Tangible net worth of at least $10 million; and

(D) Assets located in the United States amounting to at least 90 percent of total assets or at least six times the current decommissioning cost estimates, or prescribed amount if certification is used.

(b) The parent company's independent certified public accountant shall have compared the data used by the parent company in the financial test, which is derived from the independently audited, year end financial statements for the latest fiscal year, with the amounts in such financial statement. In connection with that procedure the licensee shall inform the Executive Secretary within 90 days of any matters coming to the auditor's attention which cause the auditor to believe that the data specified in the financial test should be adjusted and that the company no longer passes the test.

(c)(i) After the initial financial test, the parent company shall repeat the passage of the test within 90 days after the close of each succeeding fiscal year.

(ii) If the parent company no longer meets the requirements of Subsection R313-22-35(8)(a) the licensee shall send notice to the Executive Secretary of intent to establish alternative financial assurance as specified in Section R313-22-35. The notice shall be sent by certified mail within 90 days after the end of the fiscal year for which the year end financial data show that the parent company no longer meets the financial test requirements. The licensee shall provide alternate financial assurance within 120 days after the end of such fiscal year.

(d) The terms of a parent company guarantee which an applicant or licensee obtains shall provide that:

(i) The parent company guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the licensee and the Executive Secretary. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the licensee and the Executive Secretary, as evidenced by the return receipts.

(ii) If the licensee fails to provide alternate financial assurance as specified in Section R313-22-35 within 90 days after receipt by the licensee and Executive Secretary of a notice of cancellation of the parent company guarantee from the guarantor, the guarantor will provide such alternative financial assurance in the name of the licensee.

(iii) The parent company guarantee and financial test provisions shall remain in effect until the Executive Secretary has terminated the license.

(iv) If a trust is established for decommissioning costs, the trustee and trust shall be acceptable to the Executive Secretary. An acceptable trustee includes an appropriate State or Federal Government agency or an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

(9) Criteria relating to use of financial tests and self guarantees for providing reasonable assurance of funds for decommissioning.

(a) To pass the financial test referred to in Subsection R313-22-35(6)(b), a company shall meet all of the following criteria:

(i) Tangible net worth at least ten times the total current decommissioning cost estimate, or the current amount required if certification is used, for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor;

(ii) Assets located in the United States amounting to at least 90 percent of total assets or at least ten times the total current decommissioning cost estimate, or the current amount required if certification is used, for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor; and

(iii) A current rating for its most recent bond issuance of AAA, AA, or A as issued by Standard and Poor's, or Aaa, Aa, or A as issued by Moody's.

(b) To pass the financial test, a company shall meet all of the following additional requirements:

(i) The company shall have at least one class of equity securities registered under the Securities Exchange Act of 1934;

(ii) The company's independent certified public accountant shall have compared the data used by the company in the financial test which is derived from the independently audited, yearend financial statements for the latest fiscal year, with the amounts in such financial statement. In connection with that

procedure, the licensee shall inform the Executive Secretary within 90 days of any matters coming to the attention of the auditor that cause the auditor to believe that the data specified in the financial test should be adjusted and that the company no longer passes the test; and

(iii) After the initial financial test, the company shall repeat passage of the test within 90 days after the close of each succeeding fiscal year.

(c) If the licensee no longer meets the requirements of Subsection R313-22-35(9)(a), the licensee shall send immediate notice to the Executive Secretary of its intent to establish alternate financial assurance as specified in Section R313-22-35 within 120 days of such notice.

(d) The terms of a self-guarantee which an applicant or licensee furnishes shall provide that:

(i) The guarantee will remain in force unless the licensee sends notice of cancellation by certified mail to the Executive Secretary. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by the Executive Secretary, as evidenced by the return receipt.

(ii) The licensee shall provide alternative financial assurance as specified in Section R313-22-35 within 90 days following receipt by the Executive Secretary of a notice of a cancellation of the guarantee.

(iii) The guarantee and financial test provisions shall remain in effect until the Executive Secretary has terminated the license or until another financial assurance method acceptable to the Executive Secretary has been put in effect by the licensee.

(iv) The licensee shall promptly forward to the Executive Secretary and the licensee's independent auditor all reports covering the latest fiscal year filed by the licensee with the Securities and Exchange Commission pursuant to the requirements of section 13 of the Securities and Exchange Act of 1934.

(v) If, at any time, the licensee's most recent bond issuance ceases to be rated in a category of "A" or above by either Standard and Poor's or Moody's, the licensee shall provide notice in writing of such fact to the Executive Secretary within 20 days after publication of the change by the rating service. If the licensee's most recent bond issuance ceases to be rated in any category of A or above by both Standard and Poor's and Moody's, the licensee no longer meets the requirements of Subsection R313-22-35(9)(a).

(vi) The applicant or licensee shall provide to the Executive Secretary a written guarantee, a written commitment by a corporate officer, which states that the licensee will fund and carry out the required decommissioning activities or, upon issuance of an order by the Board, the licensee shall set up and fund a trust in the amount of the current cost estimates for decommissioning.

R313-22-36. Expiration and Termination of Licenses and Decommissioning of Sites and Separate Buildings or Outdoor Areas.

(1) A specific license expires at the end of the day on the expiration date stated in the license unless the licensee has filed an application for renewal under Section R313-22-37 no less than 30 days before the expiration date stated in the existing license. If an application for renewal has been filed at least 30 days prior to the expiration date stated in the existing license, the existing license expires at the end of the day on which the Executive Secretary makes a final determination to deny the renewal application or, if the determination states an expiration date, the expiration date stated in the determination.

(2) A specific license revoked by the Executive Secretary expires at the end of the day on the date of the Executive Secretary's final determination to revoke the license, or on the expiration date stated in the determination, or as otherwise provided by an Order issued by the Executive Secretary.

(3) A specific license continues in effect, beyond the expiration date if necessary, with respect to possession of radioactive material until the Executive Secretary notifies the licensee in writing that the license is terminated. During this time, the licensee shall:

(a) limit actions involving radioactive material to those related to decommissioning; and

(b) continue to control entry to restricted areas until they are suitable for release so that there is not an undue hazard to public health and safety or the environment.

(4) Within 60 days of the occurrence of any of the following, a licensee shall provide notification to the Executive Secretary in writing of such occurrence, and either begin decommissioning its site, or any separate building or outdoor area that contains residual radioactivity so that the building or outdoor area is suitable for release so that there is not an undue hazard to public health and safety or the environment, or submit within 12 months of notification a decommissioning plan, if required by Subsection R313-22-36(7), and begin decommissioning upon approval of that plan if:

(a) the license has expired pursuant to Subsections R313-22-36(1) or (2); or

(b) the licensee has decided to permanently cease principal activities at the entire site or in any separate building or outdoor area that contains residual radioactivity such that the building or outdoor area is unsuitable for release because of an undue hazard to public health and safety or the environment; or

(c) no principal activities under the license have been conducted for a period of 24 months; or

(d) no principal activities have been conducted for a period of 24 months in any separate building or outdoor area that contains residual radioactivity such that the building or outdoor area is unsuitable for release because of an undue hazard to public health and safety or the environment.

(5) Coincident with the notification required by Subsection R313-22-36(4), the licensee shall maintain in effect all decommissioning financial assurances established by the licensee pursuant to Section R313-22-35 in conjunction with a license issuance or renewal or as required by Section R313-22-36. The amount of the financial assurance must be increased, or may be decreased, as appropriate, to cover the detailed cost estimate for decommissioning established pursuant to Subsection R313-22-36(7)(d)(v).

(a) A licensee who has not provided financial assurance to cover the detailed cost estimate submitted with the decommissioning plan shall do so on or before August 15, 1997.

(b) Following approval of the decommissioning plan, a licensee may reduce the amount of the financial assurance as

decommissioning proceeds and radiological contamination is reduced at the site with the approval of the Executive Secretary.

(6) The Executive Secretary may grant a request to extend the time periods established in Subsection R313-22-36(4) if the Executive Secretary determines that this relief is not detrimental to the public health and safety and is otherwise in the public interest. The request must be submitted no later than 30 days before notification pursuant to Subsection R313-22-36(4). The schedule for decommissioning set forth in Subsection R313-22-36(4) may not commence until the Executive Secretary has made a determination on the request.

(7)(a) A decommissioning plan shall be submitted if required by license condition or if the procedures and activities necessary to carry out decommissioning of the site or separate building or outdoor area have not been previously approved by the Executive Secretary and these procedures could increase potential health and safety impacts to workers or to the public, such as in any of the following cases:

(i) procedures would involve techniques not applied routinely during cleanup or maintenance operations;

(ii) workers would be entering areas not normally occupied where surface contamination and radiation levels are significantly higher than routinely encountered during operation;

(iii) procedures could result in significantly greater airborne concentrations of radioactive materials than are present during operation; or

(iv) procedures could result in significantly greater releases of radioactive material to the environment than those associated with operation.

(b) The Executive Secretary may approve an alternate schedule for submittal of a decommissioning plan required pursuant to Subsection R313-22-36(4) if the Executive Secretary determines that the alternative schedule is necessary to the effective conduct of decommissioning operations and presents no undue risk from radiation to the public health and safety and is otherwise in the public interest.

(c) Procedures such as those listed in Subsection R313-22-36(7)(a) with potential health and safety impacts may not be carried out prior to approval of the decommissioning plan.

(d) The proposed decommissioning plan for the site or separate building or outdoor area must include:

(i) a description of the conditions of the site or separate building or outdoor area sufficient to evaluate the acceptability of the plan;

(ii) a description of planned decommissioning activities;

(iii) a description of methods used to ensure protection of workers and the environment against radiation hazards during decommissioning;

(iv) a description of the planned final radiation survey; and

(v) an updated detailed cost estimate for decommissioning, comparison of that estimate with present funds set aside for decommissioning, and a plan for assuring the availability of adequate funds for completion of decommissioning.

(vi) For decommissioning plans calling for completion of decommissioning later than 24 months after plan approval, the plan shall include a justification for the delay based on the criteria in Subsection R313-22-36(8).

(e) The proposed decommissioning plan will be approved by the Executive Secretary if the information therein demonstrates that the decommissioning will be completed as soon as practical and that the health and safety of workers and the public will be adequately protected.

(8)(a) Except as provided in Subsection R313-22-36(9), licensees shall complete decommissioning of the site or separate building or outdoor area as soon as practical but no later than 24 months following the initiation of decommissioning.

(b) Except as provided in Subsection R313-22-36(9), when decommissioning involves the entire site, the licensee shall request license termination as soon as practical but no later than 24 months following the initiation of decommissioning.

(9) The Executive Secretary may approve a request for an alternative schedule for completion of decommissioning of the site or separate building or outdoor area, and license termination if appropriate, if the Executive Secretary determines that the alternative is warranted by consideration of the following:

(a) whether it is technically feasible to complete decommissioning within the allotted 24-month period;

(b) whether sufficient waste disposal capacity is available to allow completion of decommissioning within the allotted 24-month period;

(c) whether a significant volume reduction in wastes requiring disposal will be achieved by allowing short-lived radionuclides to decay;

(d) whether a significant reduction in radiation exposure to workers can be achieved by allowing short-lived radionuclides to decay; and

(e) other site-specific factors which the Executive Secretary may consider appropriate on a case-by-case basis, such as the regulatory requirements of other government agencies, lawsuits, ground-water treatment activities, monitored natural ground-water restoration, actions that could result in more environmental harm than deferred cleanup, and other factors beyond the control of the licensee.

(10) As the final step in decommissioning, the licensee shall:

(a) certify the disposition of all licensed material, including accumulated wastes, by submitting a completed Form DRC-14 or equivalent information; and

(b) conduct a radiation survey of the premises where the licensed activities were carried out and submit a report of the results of this survey, unless the licensee demonstrates in some other manner that the premises are suitable for release in accordance with the criteria for decommissioning in Sections R313-15-401 through R313-15-406. The licensee shall, as appropriate:

(i) report levels of gamma radiation in units of millisieverts (microroentgen) per hour at one meter from surfaces, and report levels of radioactivity, including alpha and beta, in units of megabecquerels (disintegrations per minute or microcuries) per 100 square centimeters--removable and fixed--for surfaces, megabecquerels (microcuries) per milliliter for water, and becquerels (picocuries) per gram for solids such as soils or concrete; and

(ii) specify the survey instrument(s) used and certify that each instrument is properly calibrated and tested.

(11) Specific licenses, including expired licenses, will be terminated by written notice to the licensee when the Executive

Secretary determines that:

(a) radioactive material has been properly disposed;

(b) reasonable effort has been made to eliminate residual radioactive contamination, if present; and

(c) documentation is provided to the Executive Secretary that:

(i) a radiation survey has been performed which demonstrates that the premises are suitable for release in accordance with the criteria for decommissioning in Sections R313-15-401 through R313-15-406; or

(ii) other information submitted by the licensee is sufficient to demonstrate that the premises are suitable for release in accordance with the criteria for decommissioning in Sections R313-15-401 through R313-15-406.

R313-22-37. Renewal of Licenses.

Application for renewal of a specific license shall be filed on a form prescribed by the Executive Secretary and in accordance with Section R313-22-32.

R313-22-38. Amendment of Licenses at Request of Licensee.

Applications for amendment of a license shall be filed in accordance with Section R313-22-32 and shall specify the respects in which the licensee desires the license to be amended and the grounds for the amendment.

R313-22-39. Executive Secretary Action on Applications to Renew or Amend.

In considering an application by a licensee to renew or amend the license, the Executive Secretary will use the criteria set forth in Sections R313-22-33, R313-22-50, and R313-22-75 and in Rules R313-25, R313-32, R313-34, R313-36, or R313-38, as applicable.

R313-22-50. Special Requirements for Specific Licenses of Broad Scope.

Authority to transfer possession or control by the manufacturer, processor, or producer of any equipment, device, commodity or other product containing byproduct material whose subsequent possession, use, transfer and disposal by all other persons who are exempted from regulatory requirements may be obtained only from the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

(1) The different types of broad licenses are set forth below:

(a) A "Type A specific license of broad scope" is a specific license authorizing receipt, acquisition, ownership, possession, use and transfer of any chemical or physical form of the radioactive material specified in the license, but not exceeding quantities specified in the license, for any authorized purpose. The quantities specified are usually in the multicurie range.

(b) A "Type B specific license of broad scope" is a specific license authorizing receipt, acquisition, ownership, possession, use and transfer of any chemical or physical form of radioactive material specified in Section R313-22-100 for any authorized purpose. The possession limit for a Type B broad license, if only one radionuclide is possessed thereunder, is the quantity specified for that radionuclide in Section R313-22-100, Column I. If two or more radionuclides are possessed thereunder, the possession limits are determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in Section R313-22-100, Column I, for that radionuclide. The sum of the ratios for the radionuclides possessed under the license shall not exceed unity.

(c) A "Type C specific license of broad scope" is a specific license authorizing receipt, acquisition, ownership, possession, use and transfer of any chemical or physical form of radioactive material specified in Section R313-22-100, for any authorized purpose. The possession limit for a Type C broad license, if only one radionuclide is possessed thereunder, is the quantity specified for that radionuclide in Section R313-22-100, Column II. If two or more radionuclides are possessed thereunder, the possession limits are determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in Section R313-22-100, Column II, for that radionuclide. The sum of the ratios for the radionuclides possessed under the license shall not exceed unity.

(2) An application for a Type A specific license of broad scope shall be approved if all of the following are complied with:

(a) the applicant satisfies the general requirements specified in Section R313-22-33;

(b) the applicant has engaged in a reasonable number of activities involving the use of radioactive material; and

(c) the applicant has established administrative controls and provisions relating to organization and management, procedures, recordkeeping, material control and accounting, and management review that are necessary to assure safe operations, including:

(i) the establishment of a radiation safety committee composed of such persons as a radiation safety officer, a representative of management, and persons trained and experienced in the safe use of radioactive material;

(ii) the appointment of a radiation safety officer who is qualified by training and experience in radiation protection, and who is available for advice and assistance on radiation safety matters; and

(iii) the establishment of appropriate administrative procedures to assure:

(A) control of procurement and use of radioactive material,

(B) completion of safety evaluations of proposed uses of radioactive material which take into consideration such matters as the adequacy of facilities and equipment, training and experience of the user, and the operating or handling procedures, and

(C) review, approval, and recording by the radiation safety committee of safety evaluations of proposed uses prepared in accordance with Subsection R313-22-50(2)(c)(iii)(B) prior to use of the radioactive material.

(3) An application for a Type B specific license of broad scope shall be approved if all of the following are complied with:

(a) the applicant satisfies the general requirements specified in Section R313-22-33;

(b) the applicant has established administrative controls and provisions relating to organization and management, procedures, recordkeeping, material control and accounting, and

management review that are necessary to assure safe operations, including:

(i) the appointment of a radiation safety officer who is qualified by training and experience in radiation protection, and who is available for advice and assistance on radiation safety matters; and

(ii) the establishment of appropriate administrative procedures to assure:

(A) control of procurement and use of radioactive material,

(B) completion of safety evaluations of proposed uses of radioactive material which take into consideration such matters as the adequacy of facilities and equipment, training and experience of the user, and the operating or handling procedures, and

(C) review, approval, and recording by the radiation safety officer of safety evaluations of proposed uses prepared in accordance with Subsection R313-22-50(3)(b)(iii)(B) prior to use of the radioactive material.

(4) An application for a Type C specific license of broad scope shall be approved, if:

(a) the applicant satisfies the general requirements specified in Section R313-22-33;

(b) the applicant submits a statement that radioactive material will be used only by, or under the direct supervision of individuals, who have received:

(i) a college degree at the bachelor level, or equivalent training and experience, in the physical or biological sciences or in engineering; and

(ii) at least forty hours of training and experience in the safe handling of radioactive material, and in the characteristics of ionizing radiation, units of radiation dose and quantities, radiation detection instrumentation, and biological hazards of exposure to radiation appropriate to the type and forms of radioactive material to be used; and

(c) the applicant has established administrative controls and provisions relating to procurement of radioactive material, procedures, recordkeeping, material control and accounting, and management review necessary to assure safe operations.

(5) Specific licenses of broad scope are subject to the following conditions:

(a) unless specifically authorized by the Executive Secretary, persons licensed pursuant to this section shall not:

(i) conduct tracer studies in the environment involving direct release of radioactive material;

(ii) receive, acquire, own, possess, use, or transfer devices containing 100,000 curies (3.7 PBq) or more of radioactive material in sealed sources used for irradiation of materials;

(iii) conduct activities for which a specific license issued by the Executive Secretary under Section R313-22-75, and Rules R313-25, R313-32 or R313-36 is required; or

(iv) add or cause the addition of radioactive material to a food, beverage, cosmetic, drug or other product designed for ingestion or inhalation by, or application to, a human being.

(b) Type A specific licenses of broad scope issued under Rule R313-22 shall be subject to the condition that radioactive material possessed under the license may only be used by, or under the direct supervision of, individuals approved by the licensee's radiation safety committee.

(c) Type B specific license of broad scope issued under Rule R313-22 shall be subject to the condition that radioactive material possessed under the license may only be used by, or under the direct supervision of, individuals approved by the licensee's radiation safety officer.

(d) Type C specific license of broad scope issued under Rule R313-22 shall be subject to the condition that radioactive material possessed under the license may only be used, by or under the direct supervision of, individuals who satisfy the requirements of Subsection R313-22-50(4).

R313-22-75. Special Requirements for a Specific License to Manufacture, Assemble, Repair, or Distribute Commodities, Products, or Devices Which Contain Radioactive Material.

(1) Licensing the introduction of radioactive material into products in exempt concentrations.

(a) In addition to the requirements set forth in Section R313-22-33, a specific license authorizing the introduction of radioactive material into a product or material owned by or in the possession of the licensee or another to be transferred to persons exempt under Subsection R313-19-13(2)(a) will be issued if:

(i) the applicant submits a description of the product or material into which the radioactive material will be introduced, intended use of the radioactive material and the product or material into which it is introduced, method of introduction, initial concentration of the radioactive material in the product or material, control methods to assure that no more than the specified concentration is introduced into the product or material, estimated time interval between introduction and transfer of the product or material, and estimated concentration of the radioactive material in the product or material at the time of transfer; and

(ii) the applicant provides reasonable assurance that the concentrations of radioactive material at the time of transfer will not exceed the concentrations in Section R313-19-70, that reconcentration of the radioactive material in concentrations exceeding those in Section R313-19-70 is not likely, that use of lower concentrations is not feasible, and that the product or material is not likely to be incorporated in any food, beverage, cosmetic, drug or other commodity or product designed for ingestion or inhalation by, or application to a human being.

(b) Persons licensed under Subsection R313-22-75(1) shall file an annual report with the Executive Secretary which shall identify the type and quantity of products or materials into which radioactive material has been introduced during the reporting period; name and address of the person who owned or possessed the product and material, into which radioactive material has been introduced, at the time of introduction; the type and quantity of radionuclide introduced into the product or material; and the initial concentrations of the radionuclide in the product or material at time of transfer of the radioactive material by the licensee. If no transfers of radioactive material have been made pursuant to Subsection R313-22-75(1) during the reporting period, the report shall so indicate. The report shall cover the year ending June 30, and shall be filed within thirty days thereafter.

(2) Licensing the distribution of radioactive material in exempt quantities. Authority to transfer possession or control by the manufacturer, processor or producer of equipment,

devices, commodities or other products containing byproduct material whose subsequent possession, use, transfer, and disposal by other persons who are exempted from regulatory requirements may be obtained only from the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

(a) An application for a specific license to distribute naturally occurring and accelerator-produced radioactive material (NARM) to persons exempted from these rules pursuant to Subsection R313-19-13(2)(b) will be approved if:

(i) the radioactive material is not contained in a food, beverage, cosmetic, drug or other commodity designed for ingestion or inhalation by, or application to, a human being;

(ii) the radioactive material is in the form of processed chemical elements, compounds, or mixtures, tissue samples, bioassay samples, counting standards, plated or encapsulated sources, or similar substances, identified as radioactive and to be used for its radioactive properties, but is not incorporated into a manufactured or assembled commodity, product, or device intended for commercial distribution; and

(iii) the applicant submits copies of prototype labels and brochures and the Executive Secretary approves the labels and brochures;

(b) The license issued under Subsection R313-22-75(2)(a) is subject to the following conditions:

(i) No more than ten exempt quantities shall be sold or transferred in a single transaction. However, an exempt quantity may be composed of fractional parts of one or more of the exempt quantities provided the sum of the fractions shall not exceed unity.

(ii) Exempt quantities shall be separated and individually packaged. No more than ten packaged exempt quantities shall be contained in any outer package for transfer to persons exempt pursuant to Subsection R313-19-13(2)(b). The outer package shall not allow the dose rate at the external surface of the package to exceed 0.5 millirem (5.0 uSv) per hour.

(iii) The immediate container of a quantity or separately packaged fractional quantity of radioactive material shall bear a durable, legible label which:

(A) identifies the radionuclide and the quantity of radioactivity; and

(B) bears the words "Radioactive Material."

(iv) In addition to the labeling information required by Subsection R313-22-75(2)(b)(iii), the label affixed to the immediate container, or an accompanying brochure, shall:

(A) state that the contents are exempt from Licensing State requirements;

(B) bear the words "Radioactive Material - Not for Human Use - Introduction into Foods, Beverages, Cosmetics, Drugs, or Medicinals, or into Products Manufactured for Commercial Distribution is Prohibited - Exempt Quantities Should Not Be Combined;" and

(C) set forth appropriate additional radiation safety precautions and instructions relating to the handling, use, storage and disposal of the radioactive material.

(c) Persons licensed under Subsection R313-22-75(2) shall maintain records identifying, by name and address, persons to whom radioactive material is transferred for use under Subsection R313-19-13(2)(b) or the equivalent regulations of a Licensing State, and stating the kinds and quantities of radioactive material transferred. An annual summary report stating the total quantity of radionuclides transferred under the specific license shall be filed with the Executive Secretary. Reports shall cover the year ending June 30, and shall be filed within thirty days thereafter. If no transfers of radioactive material have been made pursuant to Subsection R313-22-75(2) during the reporting period, the report shall so indicate.

(3) Licensing the incorporation of naturally occurring and accelerator-produced radioactive material (NARM) into gas and aerosol detectors. An application for a specific license authorizing the incorporation of NARM into gas and aerosol detectors to be distributed to persons exempt under Subsection R313-19-13(2)(c)(iii) will be approved if the application satisfies requirements equivalent to those contained in 10 CFR 32.26, 2001 ed. The maximum quantity of radium-226 in each device shall not exceed 0.1 microcurie (3.7 kBq).

(4) Licensing the manufacture and distribution of devices to persons generally licensed under Subsection R313-21-22(4).

(a) An application for a specific license to manufacture or distribute devices containing radioactive material, excluding special nuclear material, to persons generally licensed under Subsection R313-21-22(4) or equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State will be approved if:

(i) the applicant satisfies the general requirements of Section R313-22-33;

(ii) the applicant submits sufficient information relating to the design, manufacture, prototype testing, quality control, labels, proposed uses, installation, servicing, leak testing, operating and safety instructions, and potential hazards of the device to provide reasonable assurance that:

(A) the device can be safely operated by persons not having training in radiological protection,

(B) under ordinary conditions of handling, storage and use of the device, the radioactive material contained in the device will not be released or inadvertently removed from the device, and it is unlikely that a person will receive in one year, a dose in excess of ten percent of the annual limits specified in Subsection R313-15-201(1), and

(C) under accident conditions, such as fire and explosion, associated with handling, storage and use of the device, it is unlikely that a person would receive an external radiation dose or dose commitment in excess of the following organ doses:

TABLE

Whole body; head and trunk; active blood-forming organs; gonads; or lens of eye	150.0 mSv (15 rems)
Hands and forearms; feet and ankles; localized areas of skin averaged over areas no larger than one square centimeter	2.0 Sv (200 rems)
Other organs	500.0 mSv (50 rems); and

(iii) each device bears a durable, legible, clearly visible label or labels approved by the Executive Secretary, which contain in a clearly identified and separate statement:

(A) instructions and precautions necessary to assure safe installation, operation and servicing of the device; documents

such as operating and service manuals may be identified in the label and used to provide this information,

(B) the requirement, or lack of requirement, for leak testing, or for testing an "on-off" mechanism and indicator, including the maximum time interval for testing, and the identification of radioactive material by radionuclide, quantity of radioactivity, and date of determination of the quantity, and

(C) the information called for in one of the following statements, as appropriate, in the same or substantially similar form:

(I) "The receipt, possession, use and transfer of this device, Model No. ....., Serial No. ....., are subject to a general license or the equivalent, and the regulations of the U.S. Nuclear Regulatory Commission or a state with which the U.S. Nuclear Regulatory Commission has entered into an agreement for the exercise of regulatory authority. This label shall be maintained on the device in a legible condition. Removal of this label is prohibited." The label shall be printed with the words "CAUTION -RADIOACTIVE MATERIAL" and the name of the manufacturer or distributor shall appear on the label. The model, serial number, and name of the manufacturer or distributor may be omitted from this label provided the information is elsewhere specified in labeling affixed to the device.

(II) "The receipt, possession, use and transfer of this device, Model No. ....., Serial No. ....., are subject to a general license or the equivalent, and the regulations of a Licensing State. This label shall be maintained on the device in a legible condition. Removal of this label is prohibited." The label shall be printed with the words "CAUTION - RADIOACTIVE MATERIAL" and the name of the manufacturer or distributor shall appear on the label. The model, serial number, and name of the manufacturer or distributor may be omitted from this label provided the information is elsewhere specified in labeling affixed to the device.

(b) In the event the applicant desires that the device be required to be tested at intervals longer than six months, either for proper operation of the "on-off" mechanism and indicator, if any, or for leakage of radioactive material or for both, the applicant shall include in the application sufficient information to demonstrate that a longer interval is justified by performance characteristics of the device or similar devices and by design features which have a significant bearing on the probability or consequences of leakage of radioactive material from the device or failure of the "on-off" mechanism and indicator. In determining the acceptable interval for the test for leakage of radioactive material, the Executive Secretary will consider information which includes, but is not limited to:

(i) primary containment, or source capsule;

(ii) protection of primary containment;

(iii) method of sealing containment;

(iv) containment construction materials;

(v) form of contained radioactive material;

(vi) maximum temperature withstood during prototype tests;

(vii) maximum pressure withstood during prototype tests;

(viii) maximum quantity of contained radioactive material;

(ix) radiotoxicity of contained radioactive material; and

(x) operating experience with identical devices or similarly designed and constructed devices.

(c) In the event the applicant desires that the general licensee under Subsection R313-21-22(4), or under equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State be authorized to install the device, collect the sample to be analyzed by a specific licensee for leakage of radioactive material, service the device, test the "on-off" mechanism and indicator, or remove the device from installation, the applicant shall include in the application written instructions to be followed by the general licensee, estimated calendar quarter doses associated with this activity or activities, and basis for these estimates. The submitted information shall demonstrate that performance of this activity or activities by an individual untrained in radiological protection, in addition to other handling, storage, and use of devices under the general license, is unlikely to cause that individual to receive a dose in excess of ten percent of the annual limits specified in Subsection R313-15-201(1).

(d) Persons licensed under Subsection R313-22-75(4) to distribute devices to generally licensed persons shall:

(i) furnish a copy of the general license contained in Subsection R313-21-22(4) to each person to whom the person directly or through an intermediate person transfers radioactive material in a device for use pursuant to the general license contained in Subsection R313-21-22(4);

(ii) furnish a copy of the general license contained in the U.S. Nuclear Regulatory Commission's, Agreement State's, or Licensing State's regulation equivalent to Subsection R313-21-22(4), or alternatively, furnish a copy of the general license contained in Subsection R313-21-22(4) to each person to whom he directly or through an intermediate person transfers radioactive material in a device for use pursuant to the general license of the U.S. Nuclear Regulatory Commission, the Agreement State or the Licensing State. If a copy of the general license in Subsection R313-21-22(4) is furnished to such a person, it shall be accompanied by a note explaining that the use of the device is regulated by the U.S. Nuclear Regulatory Commission, Agreement State or Licensing State under requirements substantially the same as those in Subsection R313-21-22(4);

(iii) report to the Executive Secretary all transfers of such devices to persons for use under the general license in Subsection R313-21-22(4). The reports shall identify the general licensee by name and address, an individual by name or position who may constitute a point of contact between the Executive Secretary and the general licensee, the type and model number of device transferred, and the quantity and type of radioactive material contained in the device. If one or more intermediate persons will temporarily possess the device at the intended place of use prior to its possession by the user, the report shall include identification of each intermediate person by name, address, contact, and relationship to the intended user. If no transfers have been made to persons generally licensed under Subsection R313-21-22(4) during the reporting period, the report shall so indicate. The report shall cover each calendar quarter and shall be filed within thirty days thereafter;

(iv) furnish reports to other agencies.

(A) Report to the U.S. Nuclear Regulatory Commission all

transfers of those devices to persons for use under the U.S. Nuclear Regulatory Commission general license in 10 CFR 31.5, 2001 ed.

(B) Report to the responsible State agency all transfers of devices manufactured and distributed pursuant to Subsection R313-22-75(4) for use under a general license in that State's regulations equivalent to Subsection R313-21-22(4).

(C) The reports shall identify each general licensee by name and address, an individual by name or position who may constitute a point of contact between the responsible agency and general licensee, the type and model of the device transferred, and the quantity and type of radioactive material contained in the device. If one or more intermediate persons will temporarily possess the device at the intended place of use prior to its possession by the user, the report shall include identification of each intermediate person by name, address, contact, and relationship to the intended user. The report shall be submitted within thirty days after the end of each calendar quarter in which a device is transferred to the generally licensed person.

(D) If transfers have not been made to U.S. Nuclear Regulatory Commission licensees during the reporting period, this information shall be reported to the U.S. Nuclear Regulatory Commission.

(E) If transfers have not been made to general licensees within a particular state during the reporting period, this information shall be reported to the responsible state agency upon request of that agency; and

(v) keep records showing the name, address and the point of contact for each general licensee to whom the person directly or through an intermediate person transfers radioactive material in devices for use pursuant to the general license provided in Subsection R313-21-22(4), or equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State. The records shall show the date of each transfer, the radionuclide and the quantity of radioactivity in each device transferred, the identity of intermediate persons, and compliance with the report requirements of Subsection R313-22-75(4).

(5) Special requirements for the manufacture, assembly or repair of luminous safety devices for use in aircraft. An application for a specific license to manufacture, assemble or repair luminous safety devices containing tritium or promethium-147 for use in aircraft for distribution to persons generally licensed under Subsection R313-21-22(5) will be approved if:

(a) the applicant satisfies the general requirements of Section R313-22-33; and

(b) the applicant satisfies the requirements of 10 CFR 32.53 through 32.56 and 32.101, 2001 ed, or their equivalent.

(6) Special requirements for license to manufacture calibration sources containing americium-241, plutonium or radium-226 for distribution to persons generally licensed under Subsection R313-21-22(7). An application for a specific license to manufacture calibration and reference sources containing americium-241, plutonium or radium-226 to persons generally licensed under Subsection R313-21-22(7) will be approved if:

(a) the applicant satisfies the general requirements of Section R313-22-33; and

(b) the applicant satisfies the requirements of 10 CFR 32.57 through 32.59, 32.102 and 10 CFR 70.39, 2001 ed., or their equivalent.

(7) Manufacture and distribution of radioactive material for certain in vitro clinical or laboratory testing under general license. An application for a specific license to manufacture or distribute radioactive material for use under the general license of Subsection R313-21-22(9) will be approved if:

(a) the applicant satisfies the general requirements specified in Section R313-22-33;

(b) the radioactive material is to be prepared for distribution in prepackaged units of:

(i) iodine-125 in units not exceeding ten microcuries (370.0 kBq) each;

(ii) iodine-131 in units not exceeding ten microcuries (370.0 kBq) each;

(iii) carbon-14 in units not exceeding ten microcuries (370.0 kBq) each;

(iv) hydrogen-3 (tritium) in units not exceeding 50 microcuries (1.85 MBq) each;

(v) iron-59 in units not exceeding 20 microcuries (740.0 kBq) each;

(vi) cobalt-57 in units not exceeding ten microcuries (370.0 kBq) each;

(vii) selenium-75 in units not exceeding ten microcuries (370.0 kBq) each; or

(viii) mock iodine-125 in units not exceeding 0.05 microcurie (1.85 kBq) of iodine-129 and 0.005 microcurie (185.0 Bq) of americium-241 each;

(c) prepackaged units bear a durable, clearly visible label:

(i) identifying the radioactive contents as to chemical form and radionuclide, and indicating that the amount of radioactivity does not exceed ten microcuries (370.0 kBq) of iodine-125, iodine-131, carbon-14, cobalt-57, or selenium-75; 50 microcuries (1.85 MBq) of hydrogen-3 (tritium); 20 microcuries (740.0 kBq) of iron-59; or Mock Iodine-125 in units not exceeding 0.05 microcuries (1.85 kBq) of iodine-129 and 0.005 microcurie (185.0 Bq) of americium-241 each; and

(ii) displaying the radiation caution symbol described in Section R313-15-901 and the words, "CAUTION, RADIOACTIVE MATERIAL", and "Not for Internal or External Use in Humans or Animals";

(d) one of the following statements, as appropriate, or a substantially similar statement which contains the information called for in one of the following statements, appears on a label affixed to each prepackaged unit or appears in a leaflet or brochure which accompanies the package:

(i) "This radioactive material shall be received, acquired, possessed and used only by physicians, veterinarians, clinical laboratories or hospitals and only for in vitro clinical or laboratory tests not involving internal or external administration of the material, or the radiation therefrom, to human beings or animals. Its receipt, acquisition, possession, use and transfer are subject to the regulations and a general license of the U.S. Nuclear Regulatory Commission or of a state with which the U.S. Nuclear Regulatory Commission has entered into an agreement for the exercise of regulatory authority.

.....
Name of Manufacturer"

(ii) "This radioactive material shall be received, acquired, possessed and used only by physicians, veterinarians, clinical laboratories or hospitals and only for in vitro clinical or laboratory tests not involving internal or external administration of the material, or the radiation therefrom, to human beings or animals. Its receipt, acquisition, possession, use and transfer are subject to the regulations and a general license of a Licensing State.

.....

Name of Manufacturer"

(e) the label affixed to the unit, or the leaflet or brochure which accompanies the package, contains adequate information as to the precautions to be observed in handling and storing radioactive material. In the case of the Mock Iodine-125 reference or calibration source, the information accompanying the source shall also contain directions to the licensee regarding the waste disposal requirements set out in Section R313-15-1001.

(8) Licensing the manufacture and distribution of ice detection devices. An application for a specific license to manufacture and distribute ice detection devices to persons generally licensed under Subsection R313-21-22(10) will be approved if:

(a) the applicant satisfies the general requirements of Section R313-22-33; and

(b) the criteria of 10 CFR 32.61, 32.62, 32.103, 2001 ed. are met.

(9) Manufacture and distribution of radiopharmaceuticals containing radioactive material for medical use under group licenses.

(a) An application for a specific license to manufacture and distribute radiopharmaceuticals containing radioactive material for use by persons licensed pursuant to Rule R313-32 will be approved if:

(i) the applicant satisfies the general requirements specified in Section R313-22-33;

(ii) the applicant submits evidence that the applicant is at least one of the following:

(A) registered or licensed with the U.S. Food and Drug Administration (FDA) as a drug manufacturer;

(B) registered or licensed with a state agency as a drug manufacturer;

(C) licensed as a pharmacy by a State Board of Pharmacy; or

(D) operating as a nuclear pharmacy within a medical institution.

(iii) the applicant submits information on the radionuclide; the chemical and physical form; the maximum activity per vial, syringe, generator, or other container of the radioactive drug; and the shielding provided by the packaging to show it is appropriate for the safe handling and storage of the radioactive drugs by medical use licensees; and

(iv) the applicant satisfies the following labeling requirements:

(A) A label is affixed to each transport radiation shield, whether it is constructed of lead, glass, plastic, or other material, of a radioactive drug to be transferred for commercial distribution. The label must include the radiation symbol and the words "CAUTION, RADIOACTIVE MATERIAL" or "DANGER, RADIOACTIVE MATERIAL"; the name of the radioactive drug or its abbreviation; and the quantity of radioactivity at a specified date and time. For radioactive drugs with a half life greater than 100 days, the time may be omitted.

(B) A label is affixed to each syringe, vial, or other container used to hold a radioactive drug to be transferred for commercial distribution. The label must include the radiation symbol and the words "CAUTION, RADIOACTIVE MATERIAL" or "DANGER, RADIOACTIVE MATERIAL" and an identifier that ensures that the syringe, vial, or other container can be correlated with the information on the transport radiation shield label.

(b) A licensee described by Subsections R313-22-75(9)(a)(ii)(C) or (D):

(i) May prepare radioactive drugs for medical use, as defined in Section R313-32-2, provided that the radioactive drug is prepared by either an authorized nuclear pharmacist, as specified in Subsections R313-22-75(9)(b)(ii) and (iii), or an individual under the supervision of an authorized nuclear pharmacist as specified in Section R313-32-25.

(ii) May allow a pharmacist to work as an authorized nuclear pharmacist if:

(A) this individual qualifies as an authorized nuclear pharmacist as defined in Section R313-32-2;

(B) this individual meets the requirements specified in Subsection R313-32-980(2) and Section R313-32-972 and the licensee has received an approved license amendment identifying this individual as an authorized nuclear pharmacist; or

(C) this individual is designated as an authorized nuclear pharmacist in accordance with Subsection R313-22-75(9)(b)(iii).

(iii) The actions authorized in Subsections R313-22-75(9)(b)(i) and (ii) are permitted in spite of more restrictive language in license conditions.

(iv) May designate a pharmacist, as defined in Section R313-32-2, as an authorized nuclear pharmacist if the individual is identified as of January 1, 1997 as an "authorized user" on a nuclear pharmacy license issued by the Executive Secretary under Subsection R313-22-75(9).

(v) Shall provide to the Executive Secretary a copy of each individual's certification by the Board of Pharmaceutical Specialties, the U.S. Nuclear Regulatory Commission or Agreement State license, or the permit issued by a licensee of broad scope, and a copy of the state pharmacy licensure or registration, no later than 30 days after the date that the licensee allows, pursuant to Subsections R313-22-75(9)(b)(ii)(A) and (B), the individual to work as an authorized nuclear pharmacist.

(c) A licensee shall possess and use instrumentation to measure the radioactivity of radioactive drugs. The licensee shall have procedures for use of the instrumentation. The licensee shall measure, by direct measurement or by combination of measurements and calculations, the amount of radioactivity in dosages of alpha-, beta-, or photon-emitting radioactive drugs prior to transfer for commercial distribution. In addition, the licensee shall:

(i) perform tests before initial use, periodically, and following repair, on each instrument for accuracy, linearity, and

geometry dependence, as appropriate for the use of the instrument; and make adjustments when necessary; and

(ii) check each instrument for constancy and proper operation at the beginning of each day of use.

(d) Nothing in Subsection R313-22-75(9) relieves the licensee from complying with applicable FDA, or Federal, and State requirements governing radioactive drugs.

(10) Manufacture and distribution of sources or devices containing radioactive material for medical use. An application for a specific license to manufacture and distribute sources and devices containing radioactive material to persons licensed pursuant to Section R313-32-18 for use as a calibration or reference source or for the uses listed in Sections R313-32-400 and R313-32-500 will be approved if:

(a) the applicant satisfies the general requirements in Section R313-22-33;

(b) the applicant submits sufficient information regarding each type of source or device pertinent to an evaluation of its radiation safety, including:

(i) the radioactive material contained, its chemical and physical form and amount,

(ii) details of design and construction of the source or device,

(iii) procedures for, and results of, prototype tests to demonstrate that the source or device will maintain its integrity under stresses likely to be encountered in normal use and accidents,

(iv) for devices containing radioactive material, the radiation profile of a prototype device,

(v) details of quality control procedures to assure that production sources and devices meet the standards of the design and prototype tests,

(vi) procedures and standards for calibrating sources and devices,

(vii) legend and methods for labeling sources and devices as to their radioactive content, and

(viii) instructions for handling and storing the source or device from the radiation safety standpoint, these instructions are to be included on a durable label attached to the source or device or attached to a permanent storage container for the source or device; provided that instructions which are too lengthy for a label may be summarized on the label and printed in detail on a brochure which is referenced on the label;

(c) the label affixed to the source or device, or to the permanent storage container for the source or device, contains information on the radionuclide, quantity and date of assay, and a statement that the source or device is licensed by the Executive Secretary for distribution to persons licensed pursuant to Sections R313-32-18, R313-32-400, and R313-32-500 or under equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State; provided that labeling for sources which do not require long term storage may be on a leaflet or brochure which accompanies the source;

(d) in the event the applicant desires that the source or device be required to be tested for leakage of radioactive material at intervals longer than six months, the applicant shall include in the application sufficient information to demonstrate that a longer interval is justified by performance characteristics of the source or device or similar sources or devices and by design features that have a significant bearing on the probability or consequences of leakage of radioactive material from the source; and

(e) in determining the acceptable interval for test of leakage of radioactive material, the Executive Secretary shall consider information that includes, but is not limited to:

(i) primary containment or source capsule,

(ii) protection of primary containment,

(iii) method of sealing containment,

(iv) containment construction materials,

(v) form of contained radioactive material,

(vi) maximum temperature withstood during prototype tests,

(vii) maximum pressure withstood during prototype tests,

(viii) maximum quantity of contained radioactive material,

(ix) radiotoxicity of contained radioactive material, and

(x) operating experience with identical sources or devices or similarly designed and constructed sources or devices.

(11) Requirements for license to manufacture and distribute industrial products containing depleted uranium for mass-volume applications.

(a) An application for a specific license to manufacture industrial products and devices containing depleted uranium for use pursuant to Subsection R313-21-21(5) or equivalent regulations of the U.S. Nuclear Regulatory Commission or an Agreement State will be approved if:

(i) the applicant satisfies the general requirements specified in Section R313-22-33;

(ii) the applicant submits sufficient information relating to the design, manufacture, prototype testing, quality control procedures, labeling or marking, proposed uses and potential hazards of the industrial product or device to provide reasonable assurance that possession, use or transfer of the depleted uranium in the product or device is not likely to cause an individual to receive a radiation dose in excess of ten percent of the annual limits specified in Subsection R313-15-201(1); and

(iii) the applicant submits sufficient information regarding the industrial product or device and the presence of depleted uranium for a mass-volume application in the product or device to provide reasonable assurance that unique benefits will accrue to the public because of the usefulness of the product or device.

(b) In the case of an industrial product or device whose unique benefits are questionable, the Executive Secretary will approve an application for a specific license under Subsection R313-22-75(11) only if the product or device is found to combine a high degree of utility and low probability of uncontrolled disposal and dispersal of significant quantities of depleted uranium into the environment.

(c) The Executive Secretary may deny an application for a specific license under Subsection R313-22-75(11) if the end use of the industrial product or device cannot be reasonably foreseen.

(d) Persons licensed pursuant to Subsection R313-22-75(11)(a) shall:

(i) maintain the level of quality control required by the license in the manufacture of the industrial product or device, and in the installation of the depleted uranium into the product or device;

(ii) label or mark each unit to:

(A) identify the manufacturer of the product or device and the number of the license under which the product or device was manufactured, the fact that the product or device contains depleted uranium, and the quantity of depleted uranium in each product or device; and

(B) state that the receipt, possession, use and transfer of the product or device are subject to a general license or the equivalent and the regulations of the U.S. Nuclear Regulatory Commission or an Agreement State;

(iii) assure that the uranium before being installed in each product or device has been impressed with the following legend clearly legible through a plating or other covering: "Depleted Uranium";

(iv) furnish to each person to whom depleted uranium in a product or device is transferred for use pursuant to the general license contained in Subsection R313-21-21(5) or its equivalent:

(A) a copy of the general license contained in Subsection R313-21-21(5) and a copy of form DRC-12; or

(B) a copy of the general license contained in the U.S. Nuclear Regulatory Commission's or Agreement State's regulation equivalent to Subsection R313-21-21(5) and a copy of the U.S. Nuclear Regulatory Commission's or Agreement State's certificate, or alternatively, furnish a copy of the general license contained in Subsection R313-21-21(5) and a copy of form DRC-12 with a note explaining that use of the product or device is regulated by the U.S. Nuclear Regulatory Commission or an Agreement State under requirements substantially the same as those in Subsection R313-21-21(5);

(v) report to the Executive Secretary all transfers of industrial products or devices to persons for use under the general license in Subsection R313-21-21(5). The report shall identify each general licensee by name and address, an individual by name or position who may constitute a point of contact between the Executive Secretary and the general licensee, the type and model number of device transferred, and the quantity of depleted uranium contained in the product or device. The report shall be submitted within thirty days after the end of the calendar quarter in which the product or device is transferred to the generally licensed person. If no transfers have been made to persons generally licensed under Subsection R313-21-21(5) during the reporting period, the report shall so indicate;

(vi) provide certain other reports as follows:

(A) report to the U.S. Nuclear Regulatory Commission all transfers of industrial products or devices to persons for use under the U.S. Nuclear Regulatory Commission general license in 10 CFR 40.25, 2001 ed.;

(B) report to the responsible state agency all transfers of devices manufactured and distributed pursuant to Subsection R313-22-75(11) for use under a general license in that state's regulations equivalent to Subsection R313-21-21(5),

(C) reports shall identify each general licensee by name and address, an individual by name or position who may constitute a point of contact between the agency and the general licensee, the type and model number of the device transferred, and the quantity of depleted uranium contained in the product or device. The report shall be submitted within thirty days after the end of each calendar quarter in which a product or device is transferred to the generally licensed person,

(D) if no transfers have been made to U.S. Nuclear Regulatory Commission licensees during the reporting period, this information shall be reported to the U.S. Nuclear Regulatory Commission, and

(E) if no transfers have been made to general licensees within a particular Agreement State during the reporting period, this information shall be reported to the responsible Agreement State agency upon the request of that agency; and

(vii) records shall be kept showing the name, address and point of contact for each general licensee to whom the person transfers depleted uranium in industrial products or devices for use pursuant to the general license provided in Subsection R313-21-21(5) or equivalent regulations of the U.S. Nuclear Regulatory Commission or an Agreement State. The records shall be maintained for a period of two years and shall show the date of each transfer, the quantity of depleted uranium in the product or device transferred, and compliance with the report requirements of Subsection R313-22-75(11).

R313-22-90. Quantities of Radioactive Materials Requiring Consideration of the Need for an Emergency Plan for Responding to a Release. Refer to Subsection R313-22-32(8).

TABLE

Radioactive Material(1)	Release Fraction	Quantity (curies)
Actinium-228	0.001	4,000
Americium-241	.001	2
Americium-242	.001	2
Americium-243	.001	2
Antimony-124	.01	4,000
Antimony-126	.01	6,000
Barium-133	.01	10,000
Barium-140	.01	30,000
Bismuth-207	.01	5,000
Bismuth-210	.01	600
Cadmium-109	.01	1,000
Cadmium-113	.01	80
Calcium-45	.01	20,000
Californium-252 (20 mg)	.001	9
Carbon-14	.01 Non CO	50,000
Cerium-141	.01	10,000
Cerium-144	.01	300
Cesium-134	.01	2,000
Cesium-137	.01	3,000
Chlorine-36	.5	100
Chromium-51	.01	300,000
Cobalt-60	.001	5,000
Copper-64	.01	200,000
Curium-242	.001	60
Curium-243	.001	3
Curium-244	.001	4
Curium-245	.001	2
Europium-152	.01	500
Europium-154	.01	400
Europium-155	.01	3,000
Germanium-68	.01	2,000
Gadolinium-153	.01	5,000
Gold-198	.01	30,000
Hafnium-172	.01	400
Hafnium-181	.01	7,000
Holmium-166m	.01	100
Hydrogen-3	.5	20,000
Iodine-125	.5	10
Iodine-131	.5	10
Indium-114m	.01	1,000
Iridium-192	.001	40,000
Iron-55	.01	40,000
Iron-59	.01	7,000
Krypton-85	1.0	6,000,000
Lead-210	.01	8

Manganese-56	.01	60,000
Mercury-203	.01	10,000
Molybdenum-99	.01	30,000
Neptunium-237	.001	2
Nickel-63	.01	20,000
Niobium-94	.01	300
Phosphorus-32	.5	100
Phosphorus-33	.5	1,000
Polonium-210	.01	10
Potassium-42	.01	9,000
Promethium-145	.01	4,000
Promethium-147	.01	4,000
Ruthenium-106	.01	200
Samarium-151	.01	4,000
Scandium-46	.01	3,000
Selenium-75	.01	10,000
Silver-110m	.01	1,000
Sodium-22	.01	9,000
Sodium-24	.01	10,000
Strontium-89	.01	3,000
Strontium-90	.01	90
Sulfur-35	.5	900
Technetium-99	.01	10,000
Technetium-99m	.01	400,000
Tellurium-127m	.01	5,000
Tellurium-129m	.01	5,000
Terbium-160	.01	4,000
Thulium-170	.01	4,000
Tin-113	.01	10,000
Tin-123	.01	3,000
Tin-126	.01	1,000
Titanium-44	.01	100
Vanadium-48	.01	7,000
Xenon-133	1.0	900,000
Yttrium-91	.01	2,000
Zinc-65	.01	5,000
Zirconium-93	.01	400
Zirconium-95	.01	5,000
Any other beta-gamma emitter	.01	10,000
Mixed fission products	.01	1,000
Mixed corrosion products	.01	10,000
Contaminated equipment, beta-gamma	.001	10,000
Irradiated material, any form other than solid noncombustible	.01	1,000
Irradiated material, solid noncombustible	.001	10,000
Mixed radioactive waste, beta-gamma	.01	1,000
Packaged mixed waste, beta-gamma(2)	.001	10,000
Any other alpha emitter	.001	2
Contaminated equipment, alpha	.0001	20
Packaged waste, alpha(2)	.0001	20
Combinations of radioactive materials listed above(1)	-----	-----

(1) For combinations of radioactive materials, consideration of the need for an emergency plan is required if the sum of the ratios of the quantity of each radioactive material authorized to the quantity listed for that material in Section R313-22-90 exceeds one.

(2) Waste packaged in Type B containers does not require an emergency plan.

R313-22-100. Limits for Broad Licenses. Refer to Section R313-22-50.

TABLE

RADIOACTIVE MATERIAL	COLUMN I	COLUMN II
	CURIES	
Antimony-122	1	0.01
Antimony-124	1	0.01
Antimony-125	1	0.01
Arsenic-73	10	0.1
Arsenic-74	1	0.01
Arsenic-76	1	0.01
Arsenic-77	10	0.1
Barium-131	10	0.1
Barium-140	1	0.01
Beryllium-7	10	0.1
Bismuth-210	0.1	0.001
Bromine-82	10	0.1
Cadmium-109	1	0.01
Cadmium-115m	1	0.01
Cadmium-115	10	0.1
Calcium-45	1	0.01
Calcium-47	10	0.1
Carbon-14	100	1
Cerium-141	10	0.1
Cerium-143	10	0.1
Cerium-144	0.1	0.001
Cesium-131	100	1
Cesium-134m	100	1
Cesium-134	0.1	0.001
Cesium-135	1	0.01
Cesium-136	10	0.1
Cesium-137	0.1	0.001
Chlorine-36	1	0.01
Chlorine-38	100	1
Chromium-51	100	1
Cobalt-57	10	0.1
Cobalt-58m	100	1
Cobalt-58	1	0.01
Cobalt-60	0.1	0.001
Copper-64	10	0.1
Dysprosium-165	100	1
Dysprosium-166	10	0.1
Erbium-169	10	0.1
Erbium-171	10	0.1
Europium-152 (9.2h)	10	0.1
Europium-152 (13y)	0.1	0.001
Europium-154	0.1	0.001
Europium-155	1	0.01
Fluorine-18	100	1
Gadolinium-153	1	0.01
Gadolinium-159	10	0.1
Gallium-72	10	0.1
Germanium-71	100	1
Gold-198	10	0.1
Gold-199	10	0.1
Hafnium-181	1	0.01
Holmium-166	10	0.1
Hydrogen-3	100	1
Indium-113m	100	1
Indium-114m	1	0.01
Indium-115m	100	1
Indium-115	1	0.01
Iodine-125	0.1	0.001
Iodine-126	0.1	0.001
Iodine-129	0.1	0.01
Iodine-131	0.1	0.001
Iodine-132	10	0.1
Iodine-133	1	0.01
Iodine-134	10	0.1
Iodine-135	1	0.01
Iridium-192	1	0.01
Iridium-194	10	0.1
Iron-55	10	0.1
Iron-59	1	0.01
Krypton-85	100	1
Krypton-87	10	0.1
Lanthanum-140	1	0.01
Lutetium-177	10	0.1
Manganese-52	1	0.01
Manganese-54	1	0.01
Manganese-56	10	0.1
Mercury-197m	10	0.1
Mercury-197	10	0.1
Mercury-203	1	0.01
Molybdenum-99	10	0.1
Neodymium-147	10	0.1
Neodymium-149	10	0.1
Nickel-59	10	0.1
Nickel-63	1	0.01
Nickel-65	10	0.1
Niobium-93m	1	0.01
Niobium-95	1	0.01
Niobium-97	100	1
Osmium-185	1	0.01
Osmium-191m	100	1
Osmium-191	10	0.1
Osmium-193	10	0.1
Palladium-103	10	0.1
Palladium-109	10	0.1
Phosphorus-32	1	0.01
Platinum-191	10	0.1
Platinum-193m	100	1
Platinum-193	10	0.1
Platinum-197m	100	1
Platinum-197	10	0.1
Polonium-210	0.01	0.0001
Potassium-42	1	0.01
Praseodymium-142	10	0.1
Praseodymium-143	10	0.1
Promethium-147	1	0.01

Promethium-149	10	0.1
Radium-226	0.01	0.0001
Rhenium-186	10	0.1
Rhenium-188	10	0.1
Rhodium-103m	1,000	10
Rhodium-105	10	0.1
Rubidium-86	1	0.01
Rubidium-87	1	0.01
Ruthenium-97	100	1
Ruthenium-103	1	0.01
Ruthenium-105	10	0.1
Ruthenium-106	0.1	0.001
Samarium-151	1	0.01
Samarium-153	10	0.1
Scandium-46	1	0.01
Scandium-47	10	0.1
Scandium-48	1	0.01
Selenium-75	1	0.01
Silicon-31	10	0.1
Silver-105	1	0.01
Silver-110m	0.1	0.001
Silver-111	10	0.1
Sodium-22	0.1	0.001
Sodium-24	1	0.01
Strontium-85m	1,000	10
Strontium-85	1	0.01
Strontium-89	1	0.01
Strontium-90	0.01	0.0001
Strontium-91	10	0.1
Strontium-92	10	0.1
Sulphur-35	10	0.1
Tantalum-182	1	0.01
Technetium-96	10	0.1
Technetium-97m	10	0.1
Technetium-97	10	0.1
Technetium-99m	100	1
Technetium-99	1	0.01
Tellurium-125m	1	0.01
Tellurium-127m	1	0.01
Tellurium-127	10	0.1
Tellurium-129m	1	0.01
Tellurium-129	100	1
Tellurium-131m	10	0.1
Tellurium-132	1	0.01
Terbium-160	1	0.01
Thallium-200	10	0.1
Thallium-201	10	0.1
Thallium-202	10	0.1
Thallium-204	1	0.01
Thulium-170	1	0.01
Thulium-171	1	0.01
Tin-113	1	0.01
Tin-125	1	0.01
Tungsten-181	1	0.01
Tungsten-185	1	0.01
Tungsten-187	10	0.1
Vanadium-48	1	0.01
Xenon-131m	1,000	10
Xenon-133	100	1
Xenon-135	100	1
Ytterbium-175	10	0.1
Yttrium-90	1	0.01
Yttrium-91	1	0.01
Yttrium-92	10	0.1
Yttrium-93	1	0.01
Zinc-65	1	0.01
Zinc-69m	10	0.1
Zinc-69	100	1
Zirconium-93	1	0.01
Zirconium-95	1	0.01
Zirconium-97	1	0.01
Any radioactive material other than source material, special nuclear material, or alpha-emitting radioactive material not listed above	0.1	0.001

R313-22-210. Registration of Product Information.

Licensees who manufacture or initially distribute a sealed source or device containing a sealed source whose product is intended for use under a specific license or general license are deemed to have provided reasonable assurance that the radiation safety properties of the source or device are adequate to protect health and minimize danger to life and the environment if the sealed source or device has been evaluated in accordance with 10 CFR 32.210, 2001 ed. or equivalent regulations of an Agreement State.

KEY: specific licenses, decommissioning, broad scope, radioactive material

September 14, 2001 19-3-104

Notice of Continuation October 10, 2001 19-3-108

R313. Environmental Quality, Radiation Control.
R313-25. License Requirements for Land Disposal of Radioactive Waste - General Provisions.
R313-25-1. Purpose and Scope.

The rules in this chapter establish procedures, criteria, and terms and conditions upon which the Department issues licenses for the land disposal of wastes received from other persons. The requirements of R313-25 are in addition to, and not in substitution for, other applicable requirements of these rules.

R313-25-2. Definitions.

As used in R313-25, the following definitions apply:

"Active maintenance" means significant activity needed during the period of institutional control to maintain a reasonable assurance that the performance objectives in R313-25-19 and R313-25-20 are met. Active maintenance may include the pumping and treatment of water from a disposal unit, the replacement of a disposal unit cover, or other episodic or continuous measures. Active maintenance does not include custodial activities like repair of fencing, repair or replacement of monitoring equipment, revegetation, minor additions to soil cover, minor repair of disposal unit covers, and general disposal site upkeep.

"Buffer zone" means a portion of the disposal site that is controlled by the licensee and that lies under the disposal units and between the disposal units and the boundary of the site.

"Commencement of construction" means clearing of land, excavation, or other substantial action that could adversely affect the environment of a land disposal facility. The term does not mean disposal site exploration, necessary roads for disposal site exploration, borings to determine foundation conditions, or other preconstruction monitoring or testing to establish background information related to the suitability of the disposal site or the protection of environmental values.

"Custodial agency" means an agency of the government designated to act on behalf of the government owner of the disposal site.

"Disposal" means the isolation of wastes from the biosphere by placing them in a land disposal facility.

"Disposal site" means that portion of a land disposal facility which is used for disposal of waste. It consists of disposal units and a buffer zone.

"Disposal unit" means a discrete portion of the disposal site into which waste is placed for disposal. For near-surface disposal, the disposal unit may be a trench.

"Engineered barrier" means a man-made structure or device intended to improve the land disposal facility's performance under R313-25.

"Hydrogeologic unit" means a soil or rock unit or zone that has a distinct influence on the storage or movement of ground water.

"Inadvertent intruder" means a person who may enter the disposal site after closure and engage in activities unrelated to post closure management, such as agriculture, dwelling construction, or other pursuits which could, by disturbing the site, expose individuals to radiation.

"Intruder barrier" means a sufficient depth of cover over the waste that inhibits contact with waste and helps to ensure that radiation exposures to an inadvertent intruder will meet the performance objectives set forth in R313-25, or engineered structures that provide equivalent protection to the inadvertent intruder.

"Land disposal facility" means the land, buildings and structures, and equipment which are intended to be used for the disposal of radioactive waste.

"Monitoring" means observing and making measurements to provide data to evaluate the performance and characteristics of the disposal site.

"Near-surface disposal facility" means a land disposal facility in which waste is disposed of within approximately the upper 30 meters of the earth's surface.

"Site closure and stabilization" means those actions that are taken upon completion of operations that prepare the disposal site for custodial care, and that assure that the disposal site will remain stable and will not need ongoing active maintenance.

"Stability" means structural stability.

"Surveillance" means monitoring and observation of the disposal site to detect needs for maintenance or custodial care, to observe evidence of intrusion, and to ascertain compliance with other license and regulatory requirements.

"Treatment" means the stabilization or the reduction in volume of waste by a chemical or a physical process.

"Waste" means those low-level radioactive wastes as defined in Section 19-3-102 that are acceptable for disposal in a land disposal facility. For the purposes of this definition, low-level waste has the same meaning as it does in the Low-Level Radioactive Waste Policy Act, Pub.L. 96-573, 94 Stat. 3347; thus, the term denotes radioactive waste not classified as high-level radioactive waste, transuranic waste, spent nuclear fuel, waste does not mean byproduct material as defined in 42 U.S.C. 2011(e)(2) of the Atomic Energy Act, uranium or thorium tailings and waste.

R313-25-3. Siting Criteria and Pre-licensing Plan Approval for Commercial Radioactive Waste Disposal Facilities.

(1) Persons proposing to construct or operate commercial radioactive waste disposal facilities, including waste incinerators, shall obtain a plan approval from the Executive Secretary before applying for a license. Plans shall meet the siting criteria and plan approval requirements of Section R313-25-3 and Section 19-3-105.

(2) The siting criteria and plan approval requirements in R313-25-3 apply to prelicensing plan approval applications.

(3) Treatment and disposal facilities, including commercial radioactive waste incinerators, shall not be located:

(a) within or underlain by:

(i) national, state, and county parks, monuments, and recreation areas; designated wilderness and wilderness study areas; wild and scenic river areas;

(ii) ecologically and scientifically significant natural areas, including wildlife management areas and habitats for listed or proposed endangered species as designated by federal law;

(iii) 100 year floodplains;

(iv) areas 200 feet from Holocene faults;

(v) underground mines, salt domes and salt beds;

(vi) dam failure flood areas;

(vii) areas subject to landslide, mud flow, or other earth movement, unless adverse impacts can be mitigated;

(viii) farmlands classified or evaluated as "prime", "unique", or of "statewide importance" by the U.S. Department of Agricultural Soil Conservation Service under the Prime Farmland Protection Act;

(ix) areas five miles of existing permanent dwellings, residential areas, and other habitable structures, including schools, churches, and historic structures;

(x) areas five miles of surface waters including intermittent streams, perennial streams, rivers, lakes, reservoirs, and wetlands;

(xi) areas 100 feet of uranium mill tailings;

(xii) areas 1000 feet of archeological sites to which adverse impacts cannot reasonably be mitigated;

(xiii) recharge zones of aquifers containing ground water which has a total dissolved solids content of less than 10,000 mg/l; or

(xiv) drinking water source protection areas designated by the State Drinking Water Committee;

(b) in areas:

(i) above or underlain by aquifers containing ground water which has a total dissolved solids content of less than 500 mg/l and which aquifers do not exceed state ground water standards for pollutants;

(ii) above or underlain by aquifers containing ground water which has a total dissolved solids content between 3000 and 10,000 mg/l when the distance from the surface to the ground water is less than 100 ft.;

(iii) areas, such as areas of extensive withdrawal of water, gas, or oil;

(iv) above or underlain by weak and unstable soils, including soils that lose their ability to support foundations as a result of hydrocompaction, expansion, or shrinkage;

(v) above or underlain by karst terrains.

(4) Incinerators associated with land disposal facilities may not be located above aquifers containing ground water which has a total dissolved solids content below 3000 mg/l. Incinerators not associated with ground disposal facilities shall not be located above aquifers containing ground water which has a total dissolved solids content below 500 mg/l.

(5) Facilities may not be located within a distance to existing drinking water wells and watersheds for public water supplies of one year ground water travel time plus 1000 feet for incinerators and of five years ground water travel time plus 1000 feet for land disposal facilities.

(6) The plan approval application shall include hydraulic conductivity and other information necessary to estimate adequately the ground water travel distance.

(7) The plan approval application shall include the results of studies adequate to identify the presence of ground water aquifers in the area of the proposed site and to assess the quality of the ground water of all aquifers identified in the area of the proposed site.

(8) The Executive Secretary may require the applicant to conduct vadose zone or other near surface monitoring.

(9) Emergency response and safety.

(a) The plan approval application shall demonstrate the availability and adequacy of emergency services, including medical and fire response. The application shall provide evidence that the applicant has coordinated emergency response plans with local and regional emergency response resources.

(b) The plan approval application shall include plans for responding to emergencies both at the site and those involving the transport of wastes within the state. Details of the proposed emergency response plan shall be given in the plan approval application and will be stipulated in the plan approval and radioactive materials license.

(c) The plan approval application shall show proposed routes for transportation of radioactive wastes within the state. The Executive Secretary will not approve plans that propose radioactive waste transportation routes over roads or bridges where weight restrictions would be exceeded. The Executive Secretary will not approve plans that pose adverse impact or risk of harm to inhabited areas. The plan approval application shall address risks to inhabited areas, including both residential and non-residential areas; the width, condition, and types of roads to be used; roadside development on proposed routes; seasonal and climatic factors which may affect safety; alternate emergency access to the facility; the type, size, and configuration of vehicles proposed to haul wastes; transportation restrictions on proposed routes; and the transportation means and routes available to evacuate the population at risk in the event of accidents, including spills and fires.

(10) Siting Authority. The Executive Secretary recognizes that Titles 10 and 17 of the Utah Code give cities and counties authority for local use planning and zoning. Nothing in R313-25-3 precludes cities and counties from establishing additional requirements as provided by applicable state and federal law.

R313-25-4. License Required.

(1) Persons shall not receive, possess, or dispose of waste at a land disposal facility unless authorized by a license issued by the Executive Secretary pursuant to R313-25 and R313-22.

(2) Persons shall file an application with the Executive Secretary pursuant to R313-22-32 and obtain a license as provided in R313-25 before commencement of construction of a land disposal facility. Failure to comply with this requirement may be grounds for denial of a license and other penalties established by law and rules.

R313-25-5. Content of Application.

In addition to the requirements set forth in R313-22-33, an application to receive from others, possess, and dispose of wastes shall consist of general information, specific technical information, institutional information, and financial information as set forth in R313-25-6 through R313-25-10.

R313-25-6. General Information.

The general information shall include the following:

(1) identity of the applicant including:

(a) the full name, address, telephone number, and description of the business or occupation of the applicant;

(b) if the applicant is a partnership, the names and addresses of the partners and the principal location where the partnership does business;

(c) if the applicant is a corporation or an unincorporated association;

(i) the state where it is incorporated or organized and the

principal location where it does business; and

(ii) the names and addresses of its directors and principal officers; and

(d) if the applicant is acting as an agent or representative of another person in filing the application, the applicant shall provide, with respect to the other person, information required under R313-25-6(1).

(2) Qualifications of the applicant shall include the following;

(a) the organizational structure of the applicant, both offsite and onsite, including a description of lines of authority and assignments of responsibilities, whether in the form of administrative directives, contract provisions, or otherwise;

(b) the technical qualifications, including training and experience of the applicant and members of the applicant's staff, to engage in the proposed activities. Minimum training and experience requirements for personnel filling key positions described in R313-25-6(2)(a) shall be provided;

(c) a description of the applicant's personnel training program; and

(d) the plan to maintain an adequate complement of trained personnel to carry out waste receipt, handling, and disposal operations in a safe manner.

(3) A description of:

(a) the location of the proposed disposal site;

(b) the general character of the proposed activities;

(c) the types and quantities of waste to be received, possessed, and disposed of;

(d) plans for use of the land disposal facility for purposes other than disposal of wastes; and

(e) the proposed facilities and equipment; and

(4) proposed schedules for construction, receipt of waste, and first emplacement of waste at the proposed land disposal facility.

R313-25-7. Specific Technical Information.

The application shall include certain technical information. The following information is needed to determine whether or not the applicant can meet the performance objectives and the applicable technical requirements of R313-25:

(1) A description of the natural and demographic disposal site characteristics shall be based on and determined by disposal site selection and characterization activities. The description shall include geologic, geochemical, geotechnical, hydrologic, ecologic, archaeologic, meteorologic, climatologic, and biotic features of the disposal site and vicinity.

(2) Descriptions of the design features of the land disposal facility and of the disposal units for near-surface disposal shall include those design features related to infiltration of water; integrity of covers for disposal units; structural stability of backfill, wastes, and covers; contact of wastes with standing water; disposal site drainage; disposal site closure and stabilization; elimination to the extent practicable of long-term disposal site maintenance; inadvertent intrusion; occupational exposures; disposal site monitoring; and adequacy of the size of the buffer zone for monitoring and potential mitigative measures.

(3) Descriptions of the principal design criteria and their relationship to the performance objectives.

(4) Descriptions of the natural events or phenomena on which the design is based and their relationship to the principal design criteria.

(5) Descriptions of codes and standards which the applicant has applied to the design, and will apply to construction of the land disposal facilities.

(6) Descriptions of the construction and operation of the land disposal facility. The description shall include as a minimum the methods of construction of disposal units; waste emplacement; the procedures for and areas of waste segregation; types of intruder barriers; onsite traffic and drainage systems; survey control program; methods and areas of waste storage; and methods to control surface water and ground water access to the wastes. The description shall also include a description of the methods to be employed in the handling and disposal of wastes containing chelating agents or other non-radiological substances which might affect meeting the performance objectives of R313-25

(7) A description of the disposal site closure plan, including those design features which are intended to facilitate disposal site closures and to eliminate the need for active maintenance after closure.

(8) Identification of the known natural resources at the disposal site whose exploitation could result in inadvertent intrusion into the wastes after removal of active institutional control.

(9) Descriptions of the kind, amount, classification and specifications of the radioactive material proposed to be received, possessed, and disposed of at the land disposal facility.

(10) Descriptions of quality assurance programs, tailored to low-level waste disposal, including audit and managerial controls, for the determination of natural disposal site characteristics and for quality control during the design, construction, operation, and closure of the land disposal facility and the receipt, handling, and emplacement of waste.

(11) A description of the radiation safety program for control and monitoring of radioactive effluents to ensure compliance with the performance objective in R313-25-19 and monitoring of occupational radiation exposure to ensure compliance with the requirements of R313-15 and to control contamination of personnel, vehicles, equipment, buildings, and the disposal site. The applicant shall describe procedures, instrumentation, facilities, and equipment appropriate to both routine and emergency operations.

(12) A description of the environmental monitoring program to provide data and to evaluate potential health and environmental impacts and the plan for taking corrective measures if migration is indicated.

(13) Descriptions of the administrative procedures that the applicant will apply to control activities at the land disposal facility.

(14) A description of the facility electronic recordkeeping system as required in R313-25-33.

R313-25-8. Technical Analyses.

The specific technical information shall also include the following analyses needed to demonstrate that the performance objectives of R313-25 will be met:

(1) Analyses demonstrating that the general population

will be protected from releases of radioactivity shall consider the pathways of air, soil, ground water, surface water, plant uptake, and exhumation by burrowing animals. The analyses shall clearly identify and differentiate between the roles performed by the natural disposal site characteristics and design features in isolating and segregating the wastes. The analyses shall clearly demonstrate a reasonable assurance that the exposures to humans from the release of radioactivity will not exceed the limits set forth in R313-25-19.

(2) Analyses of the protection of inadvertent intruders shall demonstrate a reasonable assurance that the waste classification and segregation requirements will be met and that adequate barriers to inadvertent intrusion will be provided.

(3) Analysis of the protection of individuals during operations shall include assessments of expected exposures due to routine operations and likely accidents during handling, storage, and disposal of waste. The analysis shall provide reasonable assurance that exposures will be controlled to meet the requirements of R313-15.

(4) Analyses of the long-term stability of the disposal site shall be based upon analyses of active natural processes including erosion, mass wasting, slope failure, settlement of wastes and backfill, infiltration through covers over disposal areas and adjacent soils, and surface drainage of the disposal site. The analyses shall provide reasonable assurance that there will not be a need for ongoing active maintenance of the disposal site following closure.

R313-25-9. Institutional Information.

The institutional information submitted by the applicant shall include:

(1) A certification by the federal or state agency which owns the disposal site that the agency is prepared to accept transfer of the license when the provisions of R313-25-16 are met and will assume responsibility for institutional control after site closure and for post-closure observation and maintenance.

(2) Evidence, if the proposed disposal site is on land not owned by the federal or a state government, that arrangements have been made for assumption of ownership in fee by the federal or a state agency.

R313-25-10. Financial Information.

This information shall demonstrate that the applicant is financially qualified to carry out the activities for which the license is sought. The information shall meet other financial assurance requirements of R313-25.

R313-25-11. Requirements for Issuance of a License.

A license for the receipt, possession, and disposal of waste containing radioactive material will be issued by the Executive Secretary upon finding that:

(1) the issuance of the license will not constitute an unreasonable risk to the health and safety of the public;

(2) the applicant is qualified by reason of training and experience to carry out the described disposal operations in a manner that protects health and minimizes danger to life or property;

(3) the applicant's proposed disposal site, disposal design, land disposal facility operations, including equipment, facilities, and procedures, disposal site closure, and post-closure institutional control, are adequate to protect the public health and safety as specified in the performance objectives of R313-25-19;

(4) the applicant's proposed disposal site, disposal site design, land disposal facility operations, including equipment, facilities, and procedures, disposal site closure, and post-closure institutional control are adequate to protect the public health and safety in accordance with the performance objectives of R313-25-20;

(5) the applicant's proposed land disposal facility operations, including equipment, facilities, and procedures, are adequate to protect the public health and safety in accordance with R313-15;

(6) the applicant's proposed disposal site, disposal site design, land disposal facility operations, disposal site closure, and post-closure institutional control plans are adequate to protect the public health and safety in that they will provide reasonable assurance of the long-term stability of the disposed waste and the disposal site and will eliminate to the extent practicable the need for continued maintenance of the disposal site following closure;

(7) the applicant's demonstration provides reasonable assurance that the requirements of R313-25 will be met;

(8) the applicant's proposal for institutional control provides reasonable assurance that control will be provided for the length of time found necessary to ensure the findings in R313-25-11(3) through (6) and that the institutional control meets the requirements of R313-25-28.

(9) the financial or surety arrangements meet the requirements of R313-25.

R313-25-12. Conditions of Licenses.

(1) A license issued under R313-25, or a right thereunder, may not be transferred, assigned, or disposed of, either voluntarily or involuntarily, directly or indirectly, through transfer of control of the license to a person, unless the Executive Secretary finds, after securing full information, that the transfer is in accordance with the provisions of the Radiation Control Act and Rules and gives his consent in writing in the form of a license amendment.

(2) The Executive Secretary may require the licensee to submit written statements under oath.

(3) The license will be terminated only on the full implementation of the final closure plan, including post-closure observation and maintenance, as approved by the Executive Secretary.

(4) The licensee shall submit to the provisions of the Act now or hereafter in effect, and to all findings and orders of the Executive Secretary. The terms and conditions of the license are subject to amendment, revision, or modification, by reason of amendments to, or by reason of rules, and orders issued in accordance with the terms of the Act and these rules.

(5) Persons licensed by the Executive Secretary pursuant to R313-25 shall confine possession and use of the materials to the locations and purposes authorized in the license.

(6) The licensee shall not dispose of waste until the Executive Secretary has inspected the land disposal facility and has found it to conform with the description, design, and

construction described in the application for a license.

(7) The Executive Secretary may incorporate, by rule or order, into licenses at the time of issuance or thereafter, additional requirements and conditions with respect to the licensee's receipt, possession, and disposal of waste as the Executive Secretary deems appropriate or necessary in order to:

(a) protect health or to minimize danger to life or property;

(b) require reports and the keeping of records, and to provide for inspections of licensed activities as the Executive Secretary deems necessary or appropriate to effectuate the purposes of the Radiation Control Act and Rules.

(8) The authority to dispose of wastes expires on the expiration date stated in the license. An expiration date on a license applies only to the above ground activities and to the authority to dispose of waste. Failure to renew the license shall not relieve the licensee of responsibility for implementing site closure, post-closure observation, and transfer of the license to the site owner.

R313-25-13. Application for Renewal or Closure.

(1) An application for renewal or an application for closure under R313-25-14 shall be filed at least 90 days prior to license expiration.

(2) Applications for renewal of a license shall be filed in accordance with R313-25-5 through 25-10. Applications for closure shall be filed in accordance with R313-25-14. Information contained in previous applications, statements, or reports filed with the Executive Secretary under the license may be incorporated by reference if the references are clear and specific.

(3) If a licensee has filed an application in proper form for renewal of a license, the license shall not expire unless and until the Executive Secretary has taken final action to deny application for renewal.

(4) In evaluating an application for license renewal, the Executive Secretary will apply the criteria set forth in R313-25-11.

R313-25-14. Contents of Application for Site Closure and Stabilization.

(1) Prior to final closure of the disposal site, or as otherwise directed by the Executive Secretary, the licensee shall submit an application to amend the license for closure. This closure application shall include a final revision and specific details of the disposal site closure plan included in the original license application submitted and approved under R313-25-7(7). The plan shall include the following:

(a) additional geologic, hydrologic, or other data pertinent to the long-term containment of emplaced wastes obtained during the operational period;

(b) the results of tests, experiments, or other analyses relating to backfill of excavated areas, closure and sealing, waste migration and interaction with emplacement media, or other tests, experiments, or analyses pertinent to the long-term containment of emplaced waste within the disposal site;

(c) proposed revision of plans for:

(i) decontamination or dismantlement of surface facilities;

(ii) backfilling of excavated areas; or

(iii) stabilization of the disposal site for post-closure care.

(d) Significant new information regarding the environmental impact of closure activities and long-term performance of the disposal site.

(2) Upon review and consideration of an application to amend the license for closure submitted in accordance with R313-25-14(1), the Executive Secretary shall issue an amendment authorizing closure if there is reasonable assurance that the long-term performance objectives of R313-25 will be met.

R313-25-15. Post-Closure Observation and Maintenance.

The licensee shall observe, monitor, and carry out necessary maintenance and repairs at the disposal site until the site closure is complete and the license is transferred by the Executive Secretary in accordance with R313-25-16. The licensee shall remain responsible for the disposal site for an additional five years. The Executive Secretary may approve closure plans that provide for shorter or longer time periods of post-closure observation and maintenance, if sufficient rationale is developed for the variance.

R313-25-16. Transfer of License.

Following closure and the period of post-closure observation and maintenance, the licensee may apply for an amendment to transfer the license to the disposal site owner. The license shall be transferred when the Executive Secretary finds:

(1) that the disposal site was closed according to the licensee's approved disposal site closure plan;

(2) that the licensee has provided reasonable assurance that the performance objectives of R313-25 have been met;

(3) that funds for care and records required by R313-25-33(4) and (5) have been transferred to the disposal site owner;

(4) that the post-closure monitoring program is operational and can be implemented by the disposal site owner; and

(5) that the Federal or State agency which will assume responsibility for institutional control of the disposal site is prepared to assume responsibility and ensure that the institutional requirements found necessary under R313-25-11(8) will be met.

R313-25-17. Termination of License.

(1) Following the period of institutional control needed to meet the requirements of R313-25-11, the licensee may apply for an amendment to terminate the license.

(2) This application will be reviewed in accordance with the provisions of R313-22-32.

(3) A license shall be terminated only when the Executive Secretary finds:

(a) that the institutional control requirements of R313-25-11(8) have been met;

(b) that additional requirements resulting from new information developed during the institutional control period have been met;

(c) that permanent monuments or markers warning against intrusion have been installed; and

(d) that records required by R313-25-33(4) and (5) have been sent to the party responsible for institutional control of the disposal site and a copy has been sent to the Executive Secretary

immediately prior to license termination.

R313-25-18. General Requirement.

Land disposal facilities shall be sited, designed, operated, closed, and controlled after closure so that reasonable assurance exists that exposures to individuals do not exceed the limits stated in R313-25-19 and 25-22.

R313-25-19. Protection of the General Population from Releases of Radioactivity.

Concentrations of radioactive material which may be released to the general environment in ground water, surface water, air, soil, plants or animals shall not result in an annual dose exceeding an equivalent of 0.25 mSv (0.025 rem) to the whole body, 0.75 mSv (0.075 rem) to the thyroid, and 0.25 mSv (0.025 rem) to any other organ of any member of the public. No greater than 0.04 mSv (0.004 rem)committed effective dose equivalent or total effective dose equivalent to any member of the public shall come from groundwater. Reasonable efforts should be made to maintain releases of radioactivity in effluents to the general environment as low as is reasonably achievable.

R313-25-20. Protection of Individuals from Inadvertent Intrusion.

Design, operation, and closure of the land disposal facility shall ensure protection of any individuals inadvertently intruding into the disposal site and occupying the site or contacting the waste after active institutional controls over the disposal site are removed.

R313-25-21. Protection of Individuals During Operations.

Operations at the land disposal facility shall be conducted in compliance with the standards for radiation protection set out in R313-15 of these rules, except for release of radioactivity in effluents from the land disposal facility, which shall be governed by R313-25-19. Every reasonable effort should be made to maintain radiation exposures as low as is reasonably achievable, ALARA.

R313-25-22. Stability of the Disposal Site After Closure.

The disposal facility shall be sited, designed, used, operated, and closed to achieve long-term stability of the disposal site and to eliminate, to the extent practicable, the need for ongoing active maintenance of the disposal site following closure so that only surveillance, monitoring, or minor custodial care are required.

R313-25-23. Disposal Site Suitability Requirements for Land Disposal - Near-Surface Disposal.

(1) The primary emphasis in disposal site suitability is given to isolation of wastes and to disposal site features that ensure that the long-term performance objectives are met.

(2) The disposal site shall be capable of being characterized, modeled, analyzed and monitored.

(3) Within the region where the facility is to be located, a disposal site should be selected so that projected population growth and future developments are not likely to affect the ability of the disposal facility to meet the performance objectives of R313-25.

(4) Areas shall be avoided having known natural resources which, if exploited, would result in failure to meet the performance objectives of R313-25.

(5) The disposal site shall be generally well drained and free of areas of flooding or frequent ponding. Waste disposal shall not take place in a 100-year flood plain, coastal high-hazard area or wetland, as defined in Executive Order 11988, "Floodplain Management Guidelines."

(6) Upstream drainage areas shall be minimized to decrease the amount of runoff which could erode or inundate waste disposal units.

(7) The disposal site shall provide sufficient depth to the water table that ground water intrusion, perennial or otherwise, into the waste will not occur. The Executive Secretary will consider an exception to this requirement to allow disposal below the water table if it can be conclusively shown that disposal site characteristics will result in molecular diffusion being the predominant means of radionuclide movement and the rate of movement will result in the performance objectives being met. In no case will waste disposal be permitted in the zone of fluctuation of the water table.

(8) The hydrogeologic unit used for disposal shall not discharge ground water to the surface within the disposal site.

(9) Areas shall be avoided where tectonic processes such as faulting, folding, seismic activity, vulcanism, or similar phenomena may occur with such frequency and extent to significantly affect the ability of the disposal site to meet the performance objectives of R313-25 or may preclude defensible modeling and prediction of long-term impacts.

(10) Areas shall be avoided where surface geologic processes such as mass wasting, erosion, slumping, landsliding, or weathering occur with sufficient such frequency and extent to significantly affect the ability of the disposal site to meet the performance objectives of R313-25, or may preclude defensible modeling and prediction of long-term impacts.

(11) The disposal site shall not be located where nearby facilities or activities could adversely impact the ability of the site to meet the performance objectives of R313-25 or significantly mask the environmental monitoring program.

R313-25-24. Disposal Site Design for Near-Surface Land Disposal.

(1) Site design features shall be directed toward long-term isolation and avoidance of the need for continuing active maintenance after site closure.

(2) The disposal site design and operation shall be compatible with the disposal site closure and stabilization plan and lead to disposal site closure that provides reasonable assurance that the performance objectives will be met.

(3) The disposal site shall be designed to complement and improve, where appropriate, the ability of the disposal site's natural characteristics to assure that the performance objectives will be met.

(4) Covers shall be designed to minimize, to the extent practicable, water infiltration, to direct percolating or surface water away from the disposed waste, and to resist degradation by surface geologic processes and biotic activity.

(5) Surface features shall direct surface water drainage away from disposal units at velocities and gradients which will

not result in erosion that will require ongoing active maintenance in the future.

(6) The disposal site shall be designed to minimize to the extent practicable the contact of water with waste during storage, the contact of standing water with waste during disposal, and the contact of percolating or standing water with wastes after disposal.

R313-25-25. Near Surface Land Disposal Facility Operation and Disposal Site Closure.

(1) Wastes designated as Class A pursuant to R313-15-307 of these rules shall be segregated from other wastes by placing them in disposal units which are sufficiently separated from disposal units for the other waste classes so that any interaction between Class A wastes and other wastes will not result in the failure to meet the performance objectives of R313-25. This segregation is not necessary for Class A wastes if they meet the stability requirements of R313-15-308(2).

(2) Wastes designated as Class C pursuant to R313-15-307 shall be disposed of so that the top of the waste is a minimum of five meters below the top surface of the cover or shall be disposed of with intruder barriers that are designed to protect against an inadvertent intrusion for at least 500 years.

(3) Except as provided in R313-25-1(1), only waste classified as Class A, B, or C shall be acceptable for near-surface disposal. Wastes shall be disposed of in accordance with the requirements of R313-25-25(4) through 11.

(4) Wastes shall be emplaced in a manner that maintains the package integrity during emplacement, minimizes the void spaces between packages, and permits the void spaces to be filled.

(5) Void spaces between waste packages shall be filled with earth or other material to reduce future subsidence within the fill.

(6) Waste shall be placed and covered in a manner that limits the radiation dose rate at the surface of the cover to levels that at a minimum will permit the licensee to comply with all provisions of R313-15-105 at the time the license is transferred pursuant to R313-25-16.

(7) The boundaries and locations of disposal units shall be accurately located and mapped by means of a land survey. Near-surface disposal units shall be marked in such a way that the boundaries of the units can be easily defined. Three permanent survey marker control points, referenced to United States Geological Survey or National Geodetic Survey control stations, shall be established on the site to facilitate surveys. The United States Geological Survey or National Geodetic Survey control stations shall provide horizontal and vertical controls as checked against United States Geological Survey or National Geodetic Survey record files.

(8) A buffer zone of land shall be maintained between any buried waste and the disposal site boundary and beneath the disposed waste. The buffer zone shall be of adequate dimensions to carry out environmental monitoring activities specified in R313-25-26(4) and take mitigative measures if needed.

(9) Closure and stabilization measures as set forth in the approved site closure plan shall be carried out as the disposal units are filled and covered.

(10) Active waste disposal operations shall not have an adverse effect on completed closure and stabilization measures.

(11) Only wastes containing or contaminated with radioactive material shall be disposed of at the disposal site.

(12) Proposals for disposal of waste that are not generally acceptable for near-surface disposal because the wastes form and disposal methods shall be different and, in general, more stringent than those specified for Class C waste, may be submitted to the Executive Secretary for approval.

R313-25-26. Environmental Monitoring.

(1) At the time a license application is submitted, the applicant shall have conducted a preoperational monitoring program to provide basic environmental data on the disposal site characteristics. The applicant shall obtain information about the ecology, meteorology, climate, hydrology, geology, geochemistry, and seismology of the disposal site. For those characteristics that are subject to seasonal variation, data shall cover at least a 12-month period.

(2) During the land disposal facility site construction and operation, the licensee shall maintain an environmental monitoring program. Measurements and observations shall be made and recorded to provide data to evaluate the potential health and environmental impacts during both the construction and the operation of the facility and to enable the evaluation of long-term effects and need for mitigative measures. The monitoring system shall be capable of providing early warning of releases of waste from the disposal site before they leave the site boundary.

(3) After the disposal site is closed, the licensee responsible for post-operational surveillance of the disposal site shall maintain a monitoring system based on the operating history and the closure and stabilization of the disposal site. The monitoring system shall be capable of providing early warning of releases of waste from the disposal site before they leave the site boundary.

(4) The licensee shall have plans for taking corrective measures if the environmental monitoring program detects migration of waste which would indicate that the performance objectives may not be met.

R313-25-27. Alternative Requirements for Design and Operations.

The Executive Secretary may, upon request or on his own initiative, authorize provisions other than those set forth in R313-25-24 and 25-26 for the segregation and disposal of waste and for the design and operation of a land disposal facility on a specific basis, if it finds reasonable assurance of compliance with the performance objectives of R313-25.

R313-25-28. Institutional Requirements.

(1) Land Ownership. Disposal of waste received from other persons may be permitted only on land owned in fee by the Federal or a State government.

(2) Institutional Control. The land owner or custodial agency shall conduct an institutional control program to physically control access to the disposal site following transfer of control of the disposal site from the disposal site operator. The institutional control program shall also include, but not be

limited to, conducting an environmental monitoring program at the disposal site, periodic surveillance, minor custodial care, and other equivalents as determined by the Executive Secretary, and administration of funds to cover the costs for these activities. The period of institutional controls will be determined by the Executive Secretary, but institutional controls may not be relied upon for more than 100 years following transfer of control of the disposal site to the owner.

R313-25-30. Applicant Qualifications and Assurances.

The applicant shall show that it either possesses the necessary funds, or has reasonable assurance of obtaining the necessary funds, or by a combination of the two, to cover the estimated costs of conducting all licensed activities over the planned operating life of the project, including costs of construction and disposal.

R313-25-31. Funding for Disposal Site Closure and Stabilization.

(1) The applicant shall provide assurances prior to the commencement of operations that sufficient funds will be available to carry out disposal site closure and stabilization, including:

(a) decontamination or dismantlement of land disposal facility structures, and

(b) closure and stabilization of the disposal site so that following transfer of the disposal site to the site owner, the need for ongoing active maintenance is eliminated to the extent practicable and only minor custodial care, surveillance, and monitoring are required. These assurances shall be based on Executive Secretary approved cost estimates reflecting the Executive Secretary approved plan for disposal site closure and stabilization. The applicant's cost estimates shall take into account total costs that would be incurred if an independent contractor were hired to perform the closure and stabilization work.

(2) In order to avoid unnecessary duplication and expense, the Executive Secretary will accept financial sureties that have been consolidated with earmarked financial or surety arrangements established to meet requirements of Federal or other State agencies or local governmental bodies for decontamination, closure, and stabilization. The Executive Secretary will accept these arrangements only if they are considered adequate to satisfy the requirements of R313-25-31 and if they clearly identify that the portion of the surety which covers the closure of the disposal site is clearly identified and committed for use in accomplishing these activities.

(3) The licensee's financial or surety arrangement shall be submitted annually for review by the Executive Secretary to assure that sufficient funds will be available for completion of the closure plan.

(4) The amount of the licensee's financial or surety arrangement shall change in accordance with changes in the predicted costs of closure and stabilization. Factors affecting closure and stabilization cost estimates include inflation, increases in the amount of disturbed land, changes in engineering plans, closure and stabilization that have already been accomplished, and other conditions affecting costs. The financial or surety arrangement shall be sufficient at all times to cover the costs of closure and stabilization of the disposal units that are expected to be used before the next license renewal.

(5) The financial or surety arrangement shall be written for a specified period of time and shall be automatically renewed unless the person who issues the surety notifies the Executive Secretary; the beneficiary, the site owner; and the principal, the licensee, not less than 90 days prior to the renewal date of its intention not to renew. In such a situation, the licensee shall submit a replacement surety within 30 days after notification of cancellation. If the licensee fails to provide a replacement surety acceptable to the Executive Secretary, the beneficiary may collect on the original surety.

(6) Proof of forfeiture shall not be necessary to collect the surety so that, in the event that the licensee could not provide an acceptable replacement surety within the required time, the surety shall be automatically collected prior to its expiration. The conditions described above shall be clearly stated on surety instruments.

(7) Financial or surety arrangements generally acceptable to the Executive Secretary include surety bonds, cash deposits, certificates of deposit, deposits of government securities, escrow accounts, irrevocable letters or lines of credit, trust funds, and combinations of the above or other types of arrangements as may be approved by the Executive Secretary. Self-insurance, or an arrangement which essentially constitutes self-insurance, will not satisfy the surety requirement for private sector applicants.

(8) The licensee's financial or surety arrangement shall remain in effect until the closure and stabilization program has been completed and approved by the Executive Secretary, and the license has been transferred to the site owner.

R313-25-32. Financial Assurances for Institutional Controls.

(1) Prior to the issuance of the license, the applicant shall provide for Executive Secretary approval, a binding arrangement, between the applicant and the disposal site owner that ensures that sufficient funds will be available to cover the costs of monitoring and required maintenance during the institutional control period. The binding arrangement shall be reviewed annually by the Executive Secretary to ensure that changes in inflation, technology, and disposal facility operations are reflected in the arrangements.

(2) Subsequent changes to the binding arrangement specified in R313-25-32(1) relevant to institutional control shall be submitted to the Executive Secretary for prior approval.

R313-25-33. Maintenance of Records, Reports, and Transfers.

(1) Licensees shall maintain records and make reports in connection with the licensed activities as may be required by the conditions of the license or by the rules and orders of the Executive Secretary.

(2) Records which are required by these rules or by license conditions shall be maintained for a period specified by the appropriate rules or by license condition. If a retention period is not otherwise specified, these records shall be maintained and transferred to the officials specified in R313-25-33(4) as a condition of license termination unless the Executive Secretary otherwise authorizes their disposition.

(3) Records which shall be maintained pursuant to R313-

25 may be the original or a reproduced copy or microfilm if this reproduced copy or microfilm is capable of producing copy that is clear and legible at the end of the required retention period.

(4) Notwithstanding R313-25-33(1) through (3), copies of records of the location and the quantity of wastes contained in the disposal site shall be transferred upon license termination to the chief executive of the nearest municipality, the chief executive of the county in which the facility is located, the county zoning board or land development and planning agency, the State Governor, and other state, local, and federal governmental agencies as designated by the Executive Secretary at the time of license termination.

(5) Following receipt and acceptance of a shipment of waste, the licensee shall record the date that the shipment is received at the disposal facility, the date of disposal of the waste, a traceable shipment manifest number, a description of any engineered barrier or structural overpack provided for disposal of the waste, the location of disposal at the disposal site, the condition of the waste packages as received, discrepancies between the materials listed on the manifest and those received, the volume of any pallets, bracing, or other shipping or onsite generated materials that are contaminated, and are disposed of as contaminated or suspect materials, and evidence of leakage or damaged packages or radiation or contamination levels in excess of limits specified in U.S. Department of Transportation and Executive Secretary regulations or rules. The licensee shall briefly describe repackaging operations of the waste packages included in the shipment, plus other information required by the Executive Secretary as a license condition.

(6) Licensees authorized to dispose of waste received from other persons shall file a copy of their financial report or a certified financial statement annually with the Executive Secretary in order to update the information base for determining financial qualifications.

(7)(a) Licensees authorized to dispose of waste received from other persons, pursuant to R313-25, shall submit annual reports to the Executive Secretary. Reports shall be submitted by the end of the first calendar quarter of each year for the preceding year.

(b) The reports shall include:

(i) specification of the quantity of each of the principal contaminants released to unrestricted areas in liquid and in airborne effluents during the preceding year;

(ii) the results of the environmental monitoring program;

(iii) a summary of licensee disposal unit survey and maintenance activities;

(iv) a summary, by waste class, of activities and quantities of radionuclides disposed of;

(v) instances in which observed site characteristics were significantly different from those described in the application for a license; and

(vi) other information the Executive Secretary may require.

(c) If the quantities of waste released during the reporting period, monitoring results, or maintenance performed are significantly different from those predicted, the report shall cover this specifically.

(8) In addition to the other requirements in R313-25-33, the licensee shall store, or have stored, manifest and other information pertaining to receipt and disposal of radioactive waste in an electronic recordkeeping system.

(a) The manifest information that must be electronically stored is:

(i) that required in Appendix G of 10 CFR 20.1001 to 20.2402, 1997 ed., which is incorporated into these rules by reference, with the exception of shipper and carrier telephone numbers and shipper and consignee certifications; and

(ii) that information required in R313-25-33(5).

(b) As specified in facility license conditions, the licensee shall report the stored information, or subsets of this information, on a computer-readable medium.

R313-25-34. Tests on Land Disposal Facilities.

Licensees shall perform, or permit the Executive Secretary to perform, any tests the Executive Secretary deems appropriate or necessary for the administration of the rules in R313-25, including, but not limited to, tests of;

(1) wastes;

(2) facilities used for the receipt, storage, treatment, handling or disposal of wastes;

(3) radiation detection and monitoring instruments; or

(4) other equipment and devices used in connection with the receipt, possession, handling, treatment, storage, or disposal of waste.

R313-25-35. Executive Secretary Inspections of Land Disposal Facilities.

(1) Licensees shall afford to the Executive Secretary, at reasonable times, opportunity to inspect waste not yet disposed of, and the premises, equipment, operations, and facilities in which wastes are received, possessed, handled, treated, stored, or disposed of.

(2) Licensees shall make available to the Executive Secretary for inspection, upon reasonable notice, records kept by it pursuant to these rules. Authorized representatives of the Executive Secretary may copy and take away copies of, for the Executive Secretary's use, any records required to be kept pursuant to R313-25.

KEY: radiation, radioactive waste disposal
March 10, 2000 19-3-104
Notice of Continuation October 10, 2001 19-3-108

R313. Environmental Quality, Radiation Control.
R313-28. Use of X-Rays in the Healing Arts.
R313-28-10. Purpose and Scope.

(1) The purpose of the rules in R313-28 is to prescribe the requirements for the use of x-rays in the healing arts.

(2) The rules set forth herein are adopted pursuant to the provisions of Sections 19-3-104(3) and 19-3-104(6).

R313-28-20. Definitions.

As used in R313-28, the following definitions apply:

"Accessible surface" means the external surface of the enclosure or housing provided by the manufacturer.

"Actual focal spot" refer to "Focal spot."

"Aluminum equivalent" means the thickness of aluminum, type 1100 alloy, affording the same attenuation, under specified conditions, as the material in question. The nominal chemical composition of type 1100 aluminum alloy is 99.00 percent minimum aluminum, 0.12 percent copper.

"Assembler" means individuals engaged in the business of assembling, replacing, or installing one or more components into an x-ray system or subsystem. The term includes the owner of an x-ray system or his or her employee or agent if they assemble components into an x-ray system that is subsequently used to provide professional or commercial services.

"Attenuation block" means a block or stack, having appropriate dimensions 20 cm by 20 cm by 3.8 cm, of type 1100 aluminum alloy or other materials having equivalent attenuation.

"Automatic EXPOSURE control" means a device which automatically controls one or more technique factors in order to obtain, at a preselected location, a required quantity of radiation. Phototimer and ion chamber devices are included in this category.

"Barrier" refer to "Protective barrier".

"Beam axis" means a line from the source through the centers of the x-ray fields.

"Beam-limiting device" means a device which provides a means to restrict the dimensions of the x-ray field.

"Certified components" means components of x-ray systems which are subject to regulations promulgated under Public Law 90-602, the Radiation Control for Health and Safety Act of 1968.

"Certified system" means an x-ray system which has one or more certified components.

"Changeable filters" means filters designed to be removed by the operator.

"Coefficient of variation (C)" means the ratio of the standard deviation to the mean value of a population of observations.

"Computed tomography" means the production of a tomogram by the acquisition and computer processing of x-ray transmission data.

"Control panel" means that part of the x-ray control upon which are mounted the switches, knobs, push buttons, and other hardware necessary for setting the technique factors.

"Cooling curve" means the graphical relationship between heat units stored and cooling time.

"CT" means computed tomography.

"CT gantry" means the tube housing assemblies, beam-limiting devices, detectors, and the supporting structures and frames which house these components.

"Dead-man switch" means a switch so constructed that a circuit closing contact can be maintained only by continuous pressure on the switch by the operator.

"Diagnostic source assembly" means the tube housing assembly with a beam-limiting device attached.

"Diagnostic x-ray system" means an x-ray system designed for irradiation of part of the human body for the purpose of recording or visualization for diagnostic purposes.

"Entrance EXPOSURE rate" means the EXPOSURE free in air per unit time at the point where the useful beam enters the patient.

"Equipment" refer to "X-ray equipment".

"Field emission equipment" means equipment which uses an x-ray tube in which electron emission from the cathode is due solely to the action of an electric field.

"Filter" means material placed in the useful beam to absorb preferentially selected radiations.

"Fluoroscopic imaging assembly" means a subsystem in which x-ray photons produce a fluoroscopic image. It includes equipment housing, electrical interlocks, the primary protective barrier, and structural material providing linkage between the image receptor and the diagnostic source assembly.

"Focal spot" means the area on the anode of the x-ray tube bombarded by the electrons accelerated from the cathode and from which the useful beam originates. Also referred to as "Actual focal spot."

"Gonad shield" means a protective barrier for the testes or ovaries.

"Half-value layer or HVL" means the thickness of specified material which attenuates the beam of radiation to an extent that the EXPOSURE rate is reduced to one-half of its original value. In this definition, the contribution of scatter radiation, other than that which might be present initially in the beam concerned, is deemed to be excluded.

"Healing arts screening" means the testing of a human population which is asymptomatic for the disease for which the screening is being performed. Excluded from this definition are those individuals whose risk factors for the disease are greater than for the population at large".

"Heat unit" means a unit of energy equal to the product of the peak kilovoltage, milliamperes, and seconds: for example, kVp times mA times seconds.

"HVL" refer to "half value layer."

"Image intensifier" means a device installed in its housing which instantaneously converts an x-ray pattern into a light image of higher energy density.

"Image receptor" means a device, for example, a fluorescent screen radiographic film, solid state detector, or gaseous detector, which transforms incident x-ray photons to produce a visible image or stores the information in a form which can be made into a visible image. In those cases where means are provided to preselect a portion of the image receptor, the term "image receptor" shall mean the preselected portion of the device.

"Irradiation" means the exposure of matter to ionizing radiation.

"Kilovolts peak" refer to "Peak tube potential".

"kV" means kilovolts.

"kVp" refer to "Peak tube potential."

"Lead equivalent" means the thickness of lead affording the same attenuation, under specified conditions, as the material in question.

"Leakage radiation" means radiation emanating from the diagnostic source assembly except for:

(a) the useful beam, and

(b) radiation produced when the exposure switch or timer is not activated.

"Leakage technique factors" means the technique factors associated with the diagnostic source assembly which are used in measuring leakage radiation. They are defined as follows:

(a) For diagnostic source assemblies intended for capacitor energy storage equipment, the maximum-rated peak tube potential and the maximum-rated number of exposures in an hour for operation at the maximum-rated peak tube potential with the quantity of charge per exposure being ten millicoulombs, ten milliampere seconds, or the minimum obtainable from the unit, whichever is larger.

(b) For diagnostic source assemblies intended for field emission equipment rated for pulsed operation, the maximum-rated peak tube potential and the maximum-rated number of x-ray pulses in an hour for operation at the maximum-rated peak tube potential.

(c) For other diagnostic source assemblies, the maximum-rated peak tube potential and the maximum-rated continuous tube current for the maximum-rated peak tube potential.

"Light field" means that area of the intersection of the light beam from the beam-limiting device and one of the set of planes parallel to and including the plane of the image receptor, whose perimeter is the locus of points at which the illumination is one-fourth of the maximum in the intersection.

"mA" means tube current in milliamperes.

"mAs" means milliampere second or the product of the tube current in milliamperes and the time of exposure in seconds.

"Mammography imaging medical physicist" means an individual who conducts mammography surveys of mammography facilities.

"Mammography survey" means an evaluation of x-ray imaging equipment and oversight of a mammography facility's quality control program.

"Mobile x-ray equipment" refer to "X-ray equipment".

"Multiple scan average dose" means the average dose at the center of a series of scans, specified at the center of the axis of rotation of a CT x-ray system.

"New installation" means change, modification or relocation of new or existing shielding or equipment.

"Operator of diagnostic x-ray equipment" means either:

(a) The individual responsible for insuring that the appropriate technique factors are set on the x-ray equipment, or

(b) The individual who makes the radiation exposure.

"Patient" means an individual subjected to healing arts examination, diagnosis, or treatment.

"PBL" refer to "Positive beam limitation."

"Peak tube potential" means the maximum value of the potential difference across the x-ray tube during an exposure.

"Phantom" means a volume of material behaving in a manner similar to tissue with respect to the attenuation and scattering of radiation.

"PID" refer to "Position indicating device."

"Portable x-ray equipment" refer to "X-ray equipment".

"Position indicating device (PID)" means a device, on dental x-ray equipment which indicates the beam position and establishes a definite source-surface (skin) distance. The device may or may not incorporate or serve as a beam-limiting device.

"Positive beam limitation" means the automatic or semi-automatic adjustment of an x-ray beam to the size of the selected image receptor, whereby exposures cannot be made without such adjustment.

"Primary beam scatter" means scattered radiation which has been deviated in direction or energy by materials irradiated by the primary beam.

"Primary protective barrier" refer to "Protective barrier".

"Protective apron" means an apron made of radiation absorbing materials, used to reduce radiation exposure.

"Protective barrier" means a barrier of radiation absorbing material used to reduce radiation exposure.

(a) "Primary protective barrier" means the material, excluding filters, placed in the useful beam to reduce the radiation exposure for protection purposes.

(b) "Secondary protective barrier" means the material which attenuates stray radiation.

"Protective glove" means a glove made of radiation absorbing materials used to reduce radiation exposure.

"Radiation therapy simulation system" means a radiographic or fluoroscopic x-ray system intended for localizing the volume to be exposed during radiation therapy and for confirming the position and size of the therapeutic irradiation field.

"Radiograph" means an image receptor on which the image is created directly or indirectly by an x-ray pattern and results in a permanent record.

"Rating" means the operating limits of an x-ray system or subsystem as specified by the component manufacturer.

"Recording" means producing a permanent form of an image resulting from x-ray photons.

"Reference plane" means a plane which is displaced from and parallel to the tomographic plane.

"Scan" means the complete process of collecting x-ray transmission data for the production of a tomogram. Data can be collected simultaneously during a single scan for the production of one or more tomograms.

"Scan increment" means the amount of relative displacement of the patient with respect to the computer tomographic x-ray system between successive scans measured along the direction of such displacement.

"Scattered radiation" means radiation that, during passage through matter, has been deviated in direction, energy or both direction and energy. Also refer to "Primary Beam Scatter".

"Shutter" means a device attached to the tube housing assembly which can intercept the entire cross sectional area of the useful beam and which has a lead equivalency at least that of the tube housing assembly.

"SID" refer to "Source-image receptor distance".

"Source" means the focal spot of the x-ray tube.

"Source to image receptor distance" means the distance from the source to the center of the input surface of the image receptor.

"Special purpose x-ray system" means that which is designed for irradiation of specific body parts.

"Spot film" means a radiograph which is made during a fluoroscopic examination to permanently record conditions which exist during that fluoroscopic procedure.

"Spot film device" means a device intended to transport or position a radiographic image receptor between the x-ray source and fluoroscopic image receptor, including a device intended to hold a cassette over the input end of an image intensifier for the purpose of making a radiograph.

"SSD" means the distance between the source and the skin entrance plane of the patient.

"Stationary x-ray equipment" refer to "X-ray equipment".

"Stray radiation" means the sum of leakage and scattered radiation.

"Technique factors" means the following conditions of operation.

(a) For capacitor energy storage equipment, peak tube potential in kV and quantity of charge in mAs.

(b) For field emission equipment rated for pulsed operation, peak tube potential in kV and number of x-ray pulses.

(c) For other equipment, peak tube potential in kV and either;

(i) the tube current in mA and exposure time in seconds, or

(ii) the product of tube current and exposure time in mAs.

"Termination of irradiation" means the stopping of irradiation in a fashion which will not permit continuance of irradiation without the resetting of operating conditions at the control panel.

"Tomogram" means the depiction of the x-ray attenuation properties of a section through the body.

"Tomographic plane" means that geometric plane which is identified as corresponding to the output tomogram.

"Tomographic section" means the volume of an object whose x-ray attenuation properties are imaged in a tomogram.

"Tube" means an x-ray tube, unless otherwise specified.

"Tube housing assembly" means the tube housing with tube installed. It includes high-voltage or filament transformers and other appropriate elements when they are contained within the tube housing.

"Tube rating chart" means the set of curves which specify the rated limits of operation of the tube in terms of the technique factors.

"Useful beam" means the radiation emanating from the tube housing port or the radiation head and passing through the aperture of the beam limiting device when the switch or timer is activated.

"Visible area" means that portion of the input surface of the image receptor over which incident x-ray photons are producing a visible image.

"X-ray exposure control" means a device, switch, button, or other similar means by which an operator initiates or terminates the radiation exposure. The x-ray exposure control may include associated equipment, for example, timers and back-up timers.

"X-ray equipment" means an x-ray system, subsystem, or component thereof. Types of x-ray equipment are as follows:

(a) "Mobile" means x-ray equipment mounted on a permanent base with wheels or casters for moving while completely assembled.

(b) "Portable" means x-ray equipment designed to be hand-carried.

(c) "Stationary" means x-ray equipment which is installed in a fixed location.

"X-ray field" means that area of the intersection of the useful beam and one of the sets of planes parallel to and including the plane of the image receptor, whose perimeter is the locus of points at which the EXPOSURE rate is one-fourth of the maximum in the intersection.

"X-ray high-voltage generator" means a device which transforms electrical energy from the potential supplied by the x-ray control to the tube operating potential. The device may also include means for transforming alternating current to direct current, filament transformers for the x-ray tube high-voltage switches, electrical protective devices, and other appropriate elements.

"X-ray system" means an assemblage of components for the controlled production of x-rays. It includes minimally an x-ray high-voltage generator, an x-ray control, a tube housing assembly, a beam-limiting device, and the necessary supporting structures. Additional components which function with the system are considered integral parts of the system.

"X-ray tube" means an electron tube which is designed to be used primarily for the production of x-rays.

R313-28-31. General and Administrative Requirements.

(1) Persons shall not make, sell, lease, transfer, lend, or install x-ray equipment or the accessories used in connection with x-ray equipment unless the accessories and equipment, when properly placed in operation and properly used, will meet the applicable requirements of these rules.

(2) The registrant shall be responsible for directing the operation of the x-ray machines which are under the registrant's administrative control. The registrant or registrant's agent shall assure that the requirements of R313-28-31(2)(a) through R313-28-31(2)(i) are met in the operation of the x-ray machines.

(a) An x-ray machine which does not meet the provisions of these rules shall not be operated for diagnostic purposes, when directed by the Executive Secretary.

(b) Individuals who will be operating the x-ray equipment shall be instructed in the registrant's written radiation safety program and be qualified in the safe use of the equipment. Required operator qualifications are listed in R313-28-350.

(c) The registrant of a facility shall create and make available to x-ray operators written safety procedures, including patient holding and restrictions of the operating technique required for the safe operation of the x-ray systems. Individuals who operate x-ray systems shall be responsible for complying with these rules.

(d) Except for individuals who cannot be moved out of the room and the patient being examined, only the staff and ancillary personnel or other individuals needed for the medical procedure or training shall be present in the room during the radiographic exposure and shall be positioned as follows:

(i) individuals other than the patient shall be positioned so that no part of the body will be struck by the useful beam unless protected by not less than 0.5 mm lead equivalent material;

(ii) the x-ray operator, other staff, ancillary personnel and other individuals needed for the medical procedure shall be protected from primary beam scatter by protective aprons or barriers unless it can be shown that by virtue of distances employed, EXPOSURE levels are reduced to the limits specified in R313-15-201; and

(iii) patients who are not being examined and cannot be removed from the room shall be protected from the primary beam scatter by whole body protective barriers of not less than 0.25 mm lead equivalent material or shall be so positioned that the nearest portion of the body is at least two meters from both the tube head and nearest edge of the image receptor.

(e) For patients who have not passed reproductive age, gonad shielding of not less than 0.5 mm lead equivalent material shall be used during radiographic procedures in which the gonads are in the useful beam, except for cases in which this would interfere with the diagnostic procedure.

(f) Individuals shall not be exposed to the useful beam except for healing arts purposes unless the exposure has been authorized by a licensed practitioner of the healing arts. Deliberate exposures for the following purposes are prohibited:

(i) exposure of an individual for training, demonstration or other non-healing arts purposes; and

(ii) exposure of an individual for the purpose of healing arts screening except as authorized by R313-28-31(2)(i).

(g) When a patient or film must be provided with auxiliary support during a radiation exposure:

(i) mechanical holding devices shall be used when the technique permits. The written procedures, required by R313-28-31(2)(c), shall list individual projections where mechanical holding devices cannot be utilized;

(ii) written safety procedures, as required by R313-28-31(2)(c), shall indicate the requirements for selecting an individual to hold patients or films and the procedure that individual shall follow;

(iii) the individual holding patients or films during radiographic examinations shall be instructed in personal radiation safety and protected as required by R313-28-31(2)(d)(i);

(iv) Individuals shall not be used routinely to hold film or patients;

(v) In those cases where the patient must hold the film, except during intraoral examinations, portions of the body other than the area of clinical interest struck by the useful beam shall be protected by not less than 0.5 mm lead equivalent material; and

(vi) Facilities shall have protective aprons and gloves available in sufficient numbers to provide protection to personnel who are involved with x-ray operations and who are otherwise not shielded.

(h) Personnel monitoring. Individuals who are associated with the operation of an x-ray system are subject to the applicable requirements of R313-15.

(i) Healing arts screening. Persons proposing to conduct a healing arts screening program shall not initiate the program without prior approval of the Executive Secretary or in the case of a research program, by an Investigational Review Board which has been approved by the United States Food and Drug Administration. When requesting approval, that person shall submit the information outlined in R313-28-400. If information submitted becomes invalid or outdated, the Executive Secretary shall be notified immediately.

(3) Maintenance of records and information. The registrant shall maintain at least the following information for each x-ray machine:

(a) model numbers of major components;

(b) record of surveys or calculations to demonstrate compliance with R313-15-302, calibration, maintenance and modifications performed on the x-ray machine; and

(c) a shielding design report for the x-ray suite which states assumed values for workload and use factors and includes a drawing of surrounding areas showing assumed values for occupancy factors.

(4) X-ray records. Facilities shall maintain an x-ray record containing the patient's name, the types of examinations, and the dates the examinations were performed. When the patient or film must be provided with human auxiliary support, the name of the human holder shall be recorded. The registrant shall retain these records for three years after the record is made.

(5) Portable or mobile equipment shall be used only for examinations where it is impractical to transfer the patient to a stationary radiographic installation.

(6) Procedures and auxiliary equipment designed to minimize patient and personnel exposure commensurate with the needed diagnostic information shall be utilized.

(a) The speed of the screen and film combinations used shall be the fastest speed consistent with the diagnostic objective of the examinations. Film cassettes without intensifying screens shall not be used for routine diagnostic radiological imaging, with the exception of standard film packets for intra-oral use in dental radiography. If the requirements of R313-28-31(6)(a) cannot be met, an exemption may be requested pursuant to R313-12-55.

(b) The radiation exposure to the patient shall be the minimum exposure required to produce images of good diagnostic quality.

(c) X-ray systems, other than fluoroscopic, computed tomography, dental or veterinary units, shall not be utilized in procedures where the source to patient distance is less than 30 centimeters.

R313-28-32. Plan Review.

(1) Prior to construction,the floor plans, shielding specifications and equipment arrangement of all new installations, or modifications of existing installations, utilizing ionizing radiation shall be submitted to the Executive Secretary. The required information is denoted in R313-28-200 and R313-28-450.

(2) If the services of a consultant are used to review the shielding specifications, a copy of the report must be submitted to the Executive Secretary within 14 working days.

(3) The Executive Secretary may require additional modifications should a subsequent analysis of operating conditions, for example, a change in workload or use and occupancy factors, indicate the possibility of an individual receiving a dose in excess of the limits prescribed in R313-15.

R313-28-35. General Requirements for Diagnostic X-Ray

Systems.

In addition to other requirements of R313-28, all diagnostic x-ray systems shall meet the following requirements:

(1) Warning label. The control panel containing the main power switch shall bear the warning statement, legible and accessible to view: "WARNING: This x-ray unit may be dangerous to patient and operator unless safe exposure factors and operating instructions are observed."

(2) Battery charge indicator. On battery powered generators, visual means shall be provided on the control panel to indicate whether the battery is in a state of charge adequate for proper operation.

(3) Leakage radiation from the diagnostic source assembly. The leakage radiation from the diagnostic source assembly measured at a distance of one meter in any direction from the source shall not exceed 25.8 uC/kg (100 milliroentgens) in one hour when the x-ray tube is operated at its leakage technique factors.

(4) Radiation from components other than the diagnostic source assembly. The radiation emitted by a component other than the diagnostic source assembly shall not exceed 0.516 uC/kg (two milliroentgens) in one hour at five centimeters from accessible surfaces of the component when it is operated in an assembled x-ray system under the conditions for which it was designed. Compliance shall be determined by measurements averaged over an area of 100 square centimeters with no linear dimension greater than 20 centimeters.

(5) Beam quality.

(a) The half value layer of the useful beam for a given x-ray tube potential shall not be less than the values shown in R313-28-35, Table I. If it is necessary to determine such half-value layer at an x-ray tube potential which is not listed in Table I, linear interpolation or extrapolation may be made.

TABLE I

DESIGN OPERATING RANGE (KILO VOLTS PEAK	MEASURED POTENTIAL (KILOVOLTS PEAK)	DENTAL INTRA-ORAL MANUFACTURED BEFORE AUGUST 1, 1974 AND ON OR AFTER DECEMBER 1, 1980	ALL OTHER DIAGNOSTIC X-RAY SYSTEMS
Below 51	30	(use prohibited)	0.3
	40	(use prohibited)	0.4
	50	1.5	0.5
	51	1.5	1.2
	60	1.5	1.3
	70	1.5	1.5
Above 70	71	2.1	2.1
	80	2.3	2.3
	90	2.5	2.5
	100	2.7	2.7
	110	3.0	3.0
	120	3.2	3.2
	130	3.5	3.5
	140	3.8	3.8
	150	4.1	4.1

(b) For capacitor discharge equipment, compliance with the requirements of R313-28-35(5)(a) shall be determined with the system fully charged and a setting of 10 mAs for exposures.

(c) The required minimal half-value layer of the useful beam shall include the filtration contributed by materials which are permanently present between the focal spot of the tube and the patient.

(d) Filtration control. For x-ray systems which have variable kVp and variable filtration for the useful beam, a device shall link the kVp selector with the filters and shall prevent an exposure unless the minimum amount of filtration necessary to produce the HVL required by R313-28-35(5)(a) is in the useful beam for the given kVp which has been selected.

(6) Multiple tubes. When two or more radiographic tubes are controlled by one exposure switch, the tube or tubes which have been selected shall be clearly indicated prior to initiation of the exposure. For equipment manufactured after August 1, 1974, indications shall be both on the x-ray control panel and at or near the tube housing assembly which has been selected.

(7) Mechanical support of tube head. The tube housing assembly supports shall be adjusted so that the tube housing assembly will remain stable during an exposure unless the tube housing movement during exposure is a designed function of the x-ray system.

(8) Technique indicators.

(a) The technique factors to be used during an exposure shall be indicated before the exposure begins, except when automatic EXPOSURE controls are used, in which case the technique factors which are set prior to the exposure shall be indicated.

(b) On equipment having fixed technique factors, the requirements, in R313-28-35(8)(a) may be met by permanent markings. Indication of technique factors shall be visible from the operator's position except in the case of spot films made by the fluoroscopist.

(9) Maintaining compliance. Diagnostic x-ray systems and their associated components certified pursuant to the provisions of 21 CFR Part 1020 shall be maintained in compliance with applicable requirements of that standard.

(10) Locks. All position locking, holding, and centering devices on x-ray system components and systems shall function as intended.

(11) X-ray systems which have been granted a variance by the Director, Center for Devices and Radiological Health, Food and Drug Administration (Director), from the performance standards for ionizing radiation emitting products, in accordance with 21 CFR 1010.4, 1996 edition, shall be deemed to satisfy the requirements in R313-28 that corresond to the variance granted by the Director. The registrant shall insure that labeling pursuant to CFR 1010.5(f) remains legible and visible on the x-ray system.

R313-28-40. Fluoroscopic X-Ray Systems.

All fluoroscopic x-ray systems used shall be image intensified and meet the following requirements:

(1) Primary barrier.

(a) The fluoroscopic imaging assembly shall be provided with a primary protective barrier which intercepts the entire cross section of the useful beam at SIDs for which the unit was designed.

(b) The x-ray tube used for fluoroscopy shall not produce x-rays unless the barrier is in position to intercept the entire useful beam.

(2) Fluoroscopic beam limitation.

(a) For certified fluoroscopic systems with or without a spot film device neither the length nor the width of the x-ray field in the plane of the image receptor shall exceed that of the visible area of the image receptor by more than three percent of

the SID. The sum of the excess length and the excess width shall be no greater than four percent of the SID.

(b) For uncertified fluoroscopic systems with a spot film device, the x-ray beam with the shutters fully open, during fluoroscopy or spot filming, shall be no larger than the largest image receptor size for which the device is designed. Measurements shall be made at the minimum SID available but at no less than 20 centimeters table top to the film plane distance.

(c) For uncertified fluoroscopic systems without a spot film device, the requirements of R313-28-40(1) apply.

(d) Other requirements for fluoroscopic beam limitation:

(i) means shall be provided to permit further limitation of the field. Beam-limiting devices manufactured after May 22, 1979, and incorporated in equipment with a variable SID or visible area of greater than 300 square centimeters shall be provided with means for stepless adjustment of the x-ray field;

(ii) equipment with a fixed SID and a visible area of 300 square centimeters or less shall be provided with either stepless adjustment of the x-ray field or with means to further limit the x-ray field size at the plane of the image receptor to 125 square centimeters or less;

(iii) if provided, stepless adjustment shall at the greatest SID, provide continuous field sizes from the maximum attainable to a field size of five centimeters by five centimeters or less;

(iv) for equipment manufactured after February 25, 1978, when the angle between the image receptor and beam axis is variable, means shall be provided to indicate when the axis of the x-ray beam is perpendicular to the plane of the image receptor; and

(v) for non-circular x-ray fields used with circular image receptors, the error in alignment shall be determined along the length and width dimensions of the x-ray field which pass through the center of the visible area of the image receptor.

(3) Spot-film beam limitation. Spot-film devices shall meet the following requirements:

(a) means shall be provided between the source and the patient for adjustment of the x-ray field size in the plane of the film to the size of that portion of the film which has been selected on the spot film selector. Adjustments shall be automatically accomplished except when the x-ray field size in the plane of the film is smaller than that of the selected portion of the film. For spot film devices manufactured after June 21, 1979, if the x-ray field size is less than the size of the selected portion of the film, the means for adjustment of the field size shall be only at the operator's option;

(b) neither the length nor the width of the x-ray field in the plane of the image receptor shall differ from the corresponding dimensions of the selected portion of the image receptor by more than three percent of the SID when adjusted for full coverage of the selected portion of the image receptor. The sum, without regard to sign, of the length and width differences shall not exceed four percent of the SID;

(c) it shall be possible to adjust the x-ray field size in the plane of the film to a size smaller than the selected portion of the film. The minimum field size at the greatest SID shall be equal to, or less than, five by five centimeters;

(d) the center of the x-ray field in the plane of the film shall be aligned with the center of the selected portion of the film to within two percent of the SID; and

(e) on spot film devices manufactured after February 25, 1978, if the angle between the plane of the image receptor and beam axis is variable, means shall be provided to indicate when the axis of the x-ray beam is perpendicular to the plane of the image receptor, and compliance shall be determined with the beam axis indicated to be perpendicular to the plane of the image receptor.

(4) Override. If a means exists to override the automatic x-ray field size adjustments required in R313-28-40(2) and (3), that means:

(a) shall be designed for use only in the event of system failure;

(b) shall incorporate a signal visible at the fluoroscopist's position which will indicate whenever the automatic field size adjustment is overridden; and

(c) shall be clearly and durably labeled as follows: FOR X-RAY FIELD LIMITATION SYSTEM FAILURE.

(5) Activation of the fluoroscopic tube. X-ray production in the fluoroscopic mode shall be controlled by a dead-man switch. When recording serial fluoroscopic images, the fluoroscopist shall be able to terminate the x-ray exposure immediately, but means may be provided to permit completion of a single exposure of the series in process.

(6) Entrance EXPOSURE rate allowable limits.

(a) For fluoroscopic equipment manufactured before May 19, 1995, the following requirements apply:

(i) fluoroscopic equipment which is provided with automatic exposure rate control shall not be operable at combinations of tube potential and current which will result in an EXPOSURE rate in excess of 2.58 mC/kg (ten roentgens) per minute at the point where the center of the useful beam enters the patient, except:

(A) during recording of fluoroscopic images, or

(B) when an optional high level control is provided. When so provided, the equipment shall not be operable at combinations of tube potential and current which will result in an EXPOSURE rate in excess of 1.29 mC/kg (five roentgens) per minute at the point where the center of the useful beam enters the patient unless the high level control is activated. Special means of activation of high level controls shall be required. The high level control shall be operable only when continuous manual activation is provided by the operator. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed.

(ii) fluoroscopic equipment which is not provided with automatic exposure rate control shall not be operable at combinations of tube potential and current which will result in a EXPOSURE rate in excess of 1.29 mC/kg (five roentgens) per minute at the point where the center of the useful beam enters the patient, except:

(A) during recording of fluoroscopic images, or

(B) when an optional high level control is activated. Special means of activation of high level controls shall be required. The high level control shall be operable only when continuous manual activation is provided by the operator. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed.

(iii) fluoroscopic equipment which is provided with both automatic exposure rate control and a manual mode shall not be operable at combinations of tube potential and current that will result in an exposure rate of 2.58 mC/kg (ten roentgens) per minute in either mode at the point where the center of the useful beam enters the patient except:

(A) during recording of fluoroscopic images, or

(B) when an optional high level control is provided. When so provided, the equipment shall not be operable at combinations of tube potential and current which will result in an EXPOSURE rate in excess of 1.29 mC/kg (five roentgens) per minute at the point where the center of the useful beam enters the patient unless the high level control is activated. Special means of activation of high level controls shall be required. The high level control shall be operable only when continuous manual activation is provided by the operator. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed.

(b) For fluoroscopic equipment manufactured on and after May 19, 1995, the following requirements apply:

(i) fluoroscopic equipment operable at combinations of tube potential and current which will result in an EXPOSURE rate greater than 1.29 mC/kg (five roentgens) per minute at the point where the center of the useful beam enters the patient shall be equipped with automatic exposure rate control. Provision for manual selection of technique factors may be provided.

(ii) fluoroscopic equipment shall not be operable at combinations of tube potential and current which will result in an EXPOSURE rate in excess of 2.58 mC/kg (ten roentgens) per minute at the point where the center of the useful beam enters the patient except:

(A) during recording of images from an x-ray image-intensifier tube using photographic film or a video camera when the x-ray source is operated in pulsed mode, or

(B) when an optional high level control is activated. When the high level control is activated, the equipment shall not be operable at combinations of tube potential and current which will result in an EXPOSURE rate in excess of 5.16 mC/kg (20 roentgens) per minute at the point where the center of the useful beam enters the patient. Special means of activation of high level controls shall be required. The high level control shall be operable only when continuous manual activation is provided by the operator. A continuous signal audible to the fluoroscopist shall indicate that the high level control is being employed.

(c) Compliance with the requirements of R313-28-40(6) shall be determined as follows:

(i) if the source is below the x-ray table, the EXPOSURE rate shall be measured one centimeter above the tabletop or cradle;

(ii) if the source is above the x-ray table, the EXPOSURE rate shall be measured at 30 centimeters above the tabletop with the end of the beam-limiting device or spacer positioned as closely as possible to the point of measurement;

(iii) for a C-arm type of fluoroscope, the exposure rate shall be measured 30 centimeters from the input surface of the fluoroscopic imaging assembly, with the source positioned at available SID's, provided that the end of the beam-limiting device or spacer is no closer than 30 centimeters from the input surface of the fluoroscopic imaging assembly; or

(iv) for a lateral type fluoroscope, the exposure rate shall be measured at a point 15 centimeters from the centerline of the x-ray table and in the direction of the x-ray source with the end of the beam-limiting device or spacer positioned as close as possible to the point of measurement. If the tabletop is movable, it shall be positioned as close as possible to the lateral x-ray source with the end of the beam-limiting device or spacer no closer than 15 centimeters to the x-ray table.

(d) Fluoroscopic radiation therapy simulation systems are exempt from the requirements of R313-28-40(6).

(7) Measurement of entrance EXPOSURE rates shall be performed for both maximum and typical values as follows:

(a) measurements shall be made annually or after maintenance of the system which might affect the EXPOSURE rate;

(b) results of these measurements shall be posted where the fluoroscopist may have ready access to the results while using the fluoroscope and in the record required in R313-28-31(3)(b). The measurement results shall be stated in roentgens per minute and include the machine settings used in determining results. The name of the person performing the measurements and the date the measurements were performed shall be included in the results;

(c) conditions of the annual measurement of maximum entrance EXPOSURE rate shall be performed as follows:

(i) the measurement shall be made under the conditions that satisfy the requirements of R313-28-40(6)(c);

(ii) the kVp, mA, and other selectable parameters shall be adjusted to those settings which give the maximum entrance EXPOSURE rate; and

(iii) x-ray systems that incorporate automatic exposure rate control shall have sufficient attenuative material placed in the useful beam to produce the maximum output of that system; and

(d) conditions of the annual measurement of typical entrance EXPOSURE rate are as follows:

(i) the measurement shall be made under the conditions that satisfy the requirements of R313-28-40(6)(c);

(ii) the kVp, mA, and other selectable parameters shall be those settings typical of clinical use of the x-ray system; and

(iii) the x-ray system that incorporates automatic EXPOSURE rate control shall have an appropriate phantom placed in the useful beam to produce a milliamperage and kilovoltage typical of the use of the x-ray system.

(8) Barrier transmitted radiation rate limits.

(a) The EXPOSURE rate due to transmission through the primary protective barrier with the attenuation block in the useful beam, combined with radiation from the image intensifier, if provided, shall not exceed 0.516 uC/kg (two milliroentgens) per hour at ten centimeters from accessible surfaces of the fluoroscopic imaging assembly beyond the plane of the image receptor for each mC/kg (roentgen) per minute of entrance EXPOSURE rate.

(b) Measuring compliance of barrier transmission.

(i) The EXPOSURE rate due to transmission through the primary protective barrier combined with radiation from the image intensifier shall be determined by measurements averaged over an area of 100 square centimeters with no linear dimension greater than 20 centimeters.

(ii) If the source is below the tabletop, the measurement

shall be made with the input surface of the fluoroscopic imaging assembly positioned 30 centimeters above the tabletop.

(iii) If the source is above the tabletop and the SID is variable, the measurement shall be made with the end of the beam-limiting device or spacer as close to the tabletop as it can be placed, provided that it shall not be closer than 30 centimeters.

(iv) Movable grids and compression devices shall be removed from the useful beam during the measurement.

(9) Indication of potential and current. During fluoroscopy and cinefluorography, x-ray tube potential and current shall be continuously indicated.

(10) Source-skin distance. The source to skin distance shall not be less than:

(a) 38 centimeters on stationary fluoroscopic systems manufactured on or after August 1, 1974;

(b) 35.5 centimeters on stationary fluoroscopic systems manufactured prior to August 1, 1974;

(c) 30 centimeters on all mobile fluoroscopes; or

(d) 20 centimeters for all mobile fluoroscopes when used for specific surgical applications.

(11) Fluoroscopic timer.

(a) Means shall be provided to preset the cumulative on-time of the fluoroscopic x-ray tube. The maximum cumulative time of the timing device shall not exceed five minutes without resetting.

(b) A signal audible to the fluoroscopist shall indicate the completion of a preset cumulative on-time. The signal shall continue to sound while x-rays are produced until the timing device is reset.

(12) Control of scatter radiation.

(a) The tables of fluoroscopic assemblies when combined with normal operating procedures shall provide protection from scatter radiation so that unprotected parts of a staff or ancillary individual's body shall not be exposed to unattenuated scattered radiation which originates from under the table. The attenuation required shall be not less than 0.25 mm lead equivalent.

(b) Equipment configuration when combined with procedures shall not allow portions of a staff member's or ancillary person's body, except the extremities, to be exposed to unattenuated scattered radiation emanating from above the tabletop unless:

(i) the radiation has passed through not less than 0.25 mm lead equivalent material including, but not limited to, drapes, bucky-slot cover panel, or self supporting curtains, in addition to the lead equivalency provided by the protective apron referred to in R313-28-31(2)(d),

(ii) that individual is at least 120 centimeters from the center of the useful beam, or

(iii) it is not feasible to attach shielding to special procedures equipment and personnel are wearing protective aprons.

(13) Spot film exposure reproducibility. Fluoroscopic systems equipped with radiographic spot film mode shall meet the exposure reproducibility requirements of R313-28-54.

(14) Radiation therapy simulation systems. Radiation therapy simulation systems shall be exempt from all the requirements R313-28-40(1), (8), and (11) provided that:

(a) the systems are designed and used in such a manner that no individual other than the patient is in the x-ray room during periods of time when the system is producing x-rays; and

(b) the systems which do not meet the requirements of R313-28-40(11) are provided with a means of indicating the cumulative time that an individual patient has been exposed to x-rays. Procedures shall require, in these cases, that the timer be reset between examinations.

R313-28-51. Radiographic Systems Other than Fluoroscopic, Dental Intraoral, or Computed Tomography -- Beam Limitation.

The useful beam shall be limited to the area of clinical interest and show evidence of collimation. This shall be deemed to have been met if a positive beam limiting device meeting the manufacturer's specifications or the requirements of R313-28-300 has been properly used or if evidence of collimation is shown on at least three sides or three corners of the film, for example, projections of the shutters of the collimator, cone cutting at the corners or a border at the film's edge.

(1) General purpose stationary and mobile x-ray systems.

(a) Only x-ray systems provided with a means for independent stepless adjustment of at least two dimensions of the x-ray field shall be used.

(b) A method shall be provided for visually defining the perimeter of the x-ray field. The total misalignment of the edges of the visually defined field with the respective edges of the x-ray field along either the length or width of the visually defined field shall not exceed two percent of the distance from the source to the center of the visually defined field when the surface upon which it appears is perpendicular to the axis of the x-ray beam.

(c) The Board may grant an exemption on non-certified x-ray systems to R313-28-51(1)(a) and (b) provided the registrant makes a written application for the exemption and in that application:

(i) demonstrates it is impractical to comply with R313-28-51(1)(a) and (b); and

(ii) demonstrates the purpose of R313-28-51(1)(a) and (b) will be met by other methods.

(2) In addition to the requirements of R313-28-51(1) above, stationary general purpose x-ray systems, both certified and non-certified shall meet the following requirements:

(a) a method shall be provided to indicate when the axis of the x-ray beam is perpendicular to the plane of the image receptor, to align the center of the x-ray field with respect to the center of the image receptor to within two percent of the SID, and to indicate the SID to within two percent;

(b) the beam-limiting device shall numerically indicate the field size in the plane of the image receptor to which it is adjusted; and

(c) indication of field size dimensions and SID's shall be specified in inches or centimeters and shall be such that aperture adjustments result in x-ray field dimensions in the plane of the image receptor which correspond to those of the image receptor to within two percent of the SID when the beam axis is perpendicular to the plane of the image receptor.

(3) Radiographic equipment designed for only one image receptor size at a fixed SID shall be provided with means to limit the field at the plane of the image receptor to dimensions

no greater than those of the image receptor, and to align the center of the x-ray field with the center of the image receptor to within two percent of the SID, or shall be provided with means to both size and align the x-ray field so that the x-ray field at the plane of the image receptor does not extend beyond the edges of the image receptor.

(4) Special purpose x-ray systems.

(a) Means shall be provided to limit the x-ray field in the plane of the image receptor so that the x-ray field does not exceed each dimension of the image receptor by more than two percent of the SID when the axis of the x-ray beam is perpendicular to the plane of the image receptor.

(b) Means shall be provided to align the center of the x-ray field with the center of the image receptor to within two percent of the SID, or means shall be provided to both size and align the x-ray field so that the x-ray field at the plane of the image receptor does not extend beyond the edges of the image receptor. Compliance shall be determined with the axis of the x-ray beam perpendicular to the plane of the image receptor.

(c) R313-28-51(4)(a) and R313-28-51(4)(b) may be met with a system that meets the requirements for a general purpose x-ray system as specified in R313-28-51(1) or, when alignment means are also provided, may be met with either;

(i) an assortment of removable, fixed-aperture, beam-limiting devices sufficient to meet the requirements for the combination of image receptor sizes and SID's for which the unit is designed with the beam limiting device having clear and permanent markings to indicate the image receptor size and SID for which it is designed; or

(ii) a beam-limiting device having multiple fixed apertures sufficient to meet the requirement for the combinations of image receptor sizes and SID's for which the unit is designed. Permanent, clearly legible markings shall indicate the image receptor size and SID for which the aperture is designed and shall indicate which aperture is in position for use.

R313-28-52. Radiographic Systems Other Than Fluoroscopic, Dental Intraoral, or Computed Tomography -- Radiation Exposure Control Devices.

(1) Exposure Initiation. Means shall be provided to initiate the radiation exposure by a deliberate action on the part of the operator, for example, the depression of a switch. Radiation exposure shall not be initiated without a deliberate action. In addition, it shall not be possible to initiate an exposure when the timer is set to a "zero" or "off" position if either position is provided.

(2) Exposure termination. Means shall be provided to terminate the exposure at a preset time interval, preset product of current and time, a preset number of pulses, or a preset radiation exposure to the image receptor. Except for dental panoramic systems, termination of an exposure shall cause automatic resetting of the timer to its initial setting or to "zero."

(3) Manual Exposure Control: An x-ray control shall be incorporated into x-ray systems so that an exposure can be terminated at times except for:

(a) exposure of one-half second or less; or

(b) during serial radiography when means shall be provided to permit completion of a single exposure of the series in process.

(4) Automatic EXPOSURE controls, phototimers. When automatic EXPOSURE control is provided:

(a) indication shall be made on the control panel when this mode of operation is selected;

(b) when the x-ray tube potential is equal to or greater than 51 kVp, the minimum exposure time for field emission equipment rated for pulsed operation shall be equal to or less than the interval equivalent to two pulses; and

(c) the minimum exposure time for all equipment other than that specified in R313-28-52(4)(b) shall be equal to or less than 1/60 second or a time interval required to deliver five mAs, whichever is greater.

(5) Exposure Indication. Means shall be provided for visual indication observable at or from the operator's protected position whenever x-rays are produced. In addition, a signal audible to the operator shall indicate that the exposure has terminated.

(6) Exposure Duration, Timer, Linearity. For systems having independent selection of exposure time settings, the average ratio of exposure to the indicated milliampere-seconds product obtained at two consecutive timer settings or at two settings not differing by more than a factor of two shall not differ by more than 0.10 times their sum.

(7) Exposure Control Location. The x-ray exposure control shall be placed so that the operator can view the patient while making the exposure.

(8) Operator Protection.

(a) Stationary x-ray systems shall be required to have the x-ray exposure switch permanently mounted in a protected area.

(b) Mobile and portable x-ray systems which are:

(i) used continuously for greater than one week at the same location, one room or suite, shall meet the requirements of R313-28-52(8)(a); or

(ii) used for less than one week at one location, one room, or suite shall be provided with either a protective barrier at least two meters (6.5 feet) high for operator protection during exposures, or means shall be provided to allow the operator to be at least 2.7 meters (nine feet) from the tube housing assembly during the exposure.

R313-28-53. Radiographic Systems Other Than Fluoroscopic, or Dental Intraoral Systems -- Source-to-Skin or Receptor Distance.

Mobile or portable radiographic systems shall be provided with a means to limit the source-to-skin distance to 30 or more centimeters.

R313-28-54. Radiographic Systems Other Than Fluoroscopic, or Dental Intraoral Systems -- Exposure Reproducibility.

When technique factors, including control panel selections associated with automatic exposure control systems, are held constant the coefficient of variation of exposure for both manual and automatic exposure control systems shall not exceed 0.05. This requirement applies to clinically used techniques.

R313-28-55. Radiographic Systems - Standby Radiation From Capacitor Discharge Equipment.

Radiation emitted from the x-ray tube when the system is

fully charged and the exposure switch or timer is not activated shall not exceed a rate of 0.516 uC/kg (two milliroentgens) per hour at five centimeters from accessible surfaces of the diagnostic source assembly, with the beam-limiting device fully open.

R313-28-56. Radiographic Systems Other Than Fluoroscopic, or Dental Intraoral Systems -- Accuracy.

Deviation of measured technique factors from indicated values of kVp and exposure time shall not exceed the limits specified for that system by its manufacturer. In the absence of manufacturer's specifications, the deviation shall not exceed ten percent of the indicated value for kVp and ten percent of the indicated value for times greater than 50 milliseconds.

R313-28-57. Radiographic Systems Other Than Fluoroscopic, or Dental Intraoral Systems -- mA/mAs Linearity.

The following requirements apply when the equipment is operated on a power supply as specified by the manufacturer for fixed x-ray tube potentials within the range of 40 percent to 100 percent of the maximum rated potentials.

(1) Equipment having independent selection of x-ray tube current, mA. Where the tube current is continuous, the average ratios of exposure to the indicated milliampere-seconds product, C/kg/mAs or mR/mAs, obtained at two consecutive tube current settings or at two settings differing by no more than a factor of two shall not differ by more than 0.10 times their sum.

(2) Equipment having a combined x-ray tube current-exposure time product, mAs, selector, but not a separate tube current, mA, selector. Where the tube current is continuous, the average ratios of exposure to the indicated milliampere-seconds product, C/kg/mAs or mR/mAs, obtained at two consecutive milliampere-seconds settings or at two settings differing by no more than a factor of two shall not differ by more than 0.10 times their sum.

R313-28-80. Intraoral Dental Radiographic Systems.

In addition to the provisions of R313-28-31, R313-28-32 and R313-28-35, the requirements of this section apply to x-ray equipment and associated facilities used for dental radiography. Criteria for extraoral dental radiographic systems are covered in R313-28-51, R313-28-52 and R313-28-53. Intraoral dental radiographic systems used must meet the requirements of R313-28-80.

(1) Source-to-Skin distance (SSD). X-ray systems designed for use with an intraoral image receptor shall be provided with means to limit source-to-skin distance to not less than:

(a) 18 centimeters if operable above 50 kilovolts peak, or

(b) 10 centimeters if not operable above 50 kilovolts peak.

(2) Field limitation. Radiographic systems designed for use with an intraoral image receptor shall be provided with means to limit the x-ray field so that:

(a) if the minimum source-to-skin distance (SSD) is 18 centimeters or more, the x-ray field, at the minimum SSD, shall be containable in a circle having a diameter of no more than seven centimeters; and

(b) if the minimum SSD is less than 18 centimeters, the x-ray field, at the minimum SSD, shall be containable in a circle having a diameter of no more than six centimeters.

(3) Exposure Initiation.

(a) Means shall be provided to initiate the radiation exposure by a deliberate action on the part of the operator, for example, the depression of a switch. Radiation exposure shall not be initiated without a deliberate action; and

(b) It shall not be possible to make an exposure when the timer is set to a "zero" or "off" position if either position is provided.

(4) Exposure Termination.

(a) Means shall be provided to terminate the exposure at a preset time interval, preset product of current and time, a preset number of pulses, or a preset radiation exposure to the image receptor.

(b) An x-ray exposure control shall be incorporated into x-ray systems so that an exposure of more than 0.5 seconds can be terminated immediately by the operator.

(c) Termination of an exposure shall cause automatic resetting of the timer to its initial setting or to "zero."

(5) Exposure Indication. Means shall be provided for visual indication, observable from the operator's protected position, whenever x-rays are produced. In addition, a signal audible to the operator shall indicate that the exposure has terminated.

(6) Timer Linearity. For systems having independent selection of exposure time settings, the average ratio of exposure to the indicated milliampere-seconds product obtained at two consecutive timer settings or at two settings not differing by more than a factor of two shall not differ by more than 0.10 times their sum.

(7) Exposure Control Location and Operator Protection.

(a) Stationary x-ray systems shall be required to have the x-ray exposure control mounted in a protected area or a means to allow the operator to be at least 2.7 meters (9.0 feet) from the tube housing assembly while making exposures; and

(b) Mobile and portable x-ray systems which are:

(i) used for greater than one week in the same location, for example, a room or suite, shall meet the requirements of R313-28-80(7)(a); or

(ii) used for less than one week in the same location shall be provided with either a protective barrier at least two meters high for operator protection, or means to allow the operator to be at least 2.7 meters (nine feet) from the tube housing assembly while making exposures.

(8) Exposure Reproducibility. When all technique factors are held constant, the coefficient of variation of exposure shall not exceed 0.05 for certified x-ray systems or 0.10 for non-certified x-ray systems. This requirement applies to clinically used techniques.

(9) mA/mAs Linearity. The following requirements apply when the equipment is operated on a power supply as specified by the manufacturer for fixed x-ray tube potentials within the range of 40 to 100 percent of the maximum rated potentials.

(a) For equipment having independent selection of x-ray tube current, the average ratios of exposure to the indicated milliampere-seconds product obtained at two consecutive tube current settings or, when the tube current selection is continuous, two settings differing by no more than a factor of

two shall not differ by more than 0.10 times their sum.

(b) For equipment having a combined x-ray tube current-exposure time product selector but not a separate tube current selector, the average ratios of exposure to the indicated milliampere-seconds product obtained at two consecutive mAs selector settings, or when the mAs selector provides continuous selection, at two settings differing by no more than a factor of two shall not differ by more than 0.10 times their sum.

(10) Accuracy. Deviation of technique factors from indicated values shall not exceed the limits specified for that system by its manufacturer. In the absence of manufacturer's specifications the deviation shall not exceed ten percent of the indicated value.

(11) Administrative Controls.

(a) Patient and film holding devices shall be used when the technique permits and holding is required.

(b) The x-ray tube housing and the position indicating device shall not be hand-held during an exposure.

(c) The x-ray system shall be operated so that the useful beam at the patient's skin does not exceed the requirements of R313-28-80(2).

(d) Dental fluoroscopy without image intensification shall not be used.

R313-28-120. Mammography X-Ray Systems - Equipment Design and Performance Standards.

Only x-ray equipment meeting the following standards shall be used for mammography examinations.

(1) Equipment Design.

(a) FDA Standards. The requirements of 21 CFR 1020.30 and 21 CFR 1020.31, 1990 ed., are adopted and incorporated by reference.

(b) Dedicated Equipment. The x-ray equipment shall be specifically designed for mammography.

(c) Compression. Devices parallel to the imaging plane shall be available to immobilize and compress the breast during mammography procedures.

(d) Image Receptor. The x-ray equipment shall have both an 18 cm by 24 cm and a 24 cm by 30 cm image receptor and moving grids matched to each image receptor size.

(e) Automatic Exposure Control. X-ray equipment used in healing arts screening shall have automatic exposure control capabilities with a post exposure meter which indicates either milliampere-seconds or time values.

(f) Focal Spot. The focal spot size and source to image receptor distance configurations shall be limited to those appropriate for mammography.

(g) Beam Limitation. The x-ray equipment must allow for the x-ray field to extend to or beyond the chest wall edge of the image receptor.

(h) Magnification. X-ray equipment used in a noninvasive manner, requiring techniques beyond those utilized in standard mammography of asymptomatic patients, shall have x-ray magnification capability for noninvasive procedures. The equipment shall be able to provide at least one magnification within the range of 1.4 to 2.0.

(2) Performance Standards.

(a) State Standards. The x-ray equipment shall meet the applicable performance standards in R313-28.

(b) Filtration. The useful beam shall have a half-value layer between the values of the measured kilovolts peak divided by 100 and the measured kilovolts peak divided by 100 plus 0.1 mm of aluminum equivalent. These values are to include the contribution to filtration by the compression device.

(c) Minimum Radiation Output. X-ray equipment installed after the effective date of this rule shall meet the following standard: at 28 kilovolts peak on the focal spot used in routine healing arts screening the x-ray equipment shall be capable of sustaining a minimum output of 500 mR per second for at least three seconds. This output shall be measured at a point 4.5 centimeters from the surface of the patient support device when the source to image receptor distance is at its maximum and the compression paddle is in the beam. Existing x-ray equipment shall meet this minimum radiation output standard within one year of the effective date of this rule.

(d) Exposure Linearity. For kilovolts peak settings used clinically, the exposure per mAs shall be within plus or minus ten percent of the average exposure per mAs for those mAs stations or time stations, if applicable, that are tested.

(e) Automatic Exposure Control. The automatic exposure control mode shall produce consistent film density under changing patient and examination conditions. These conditions include breast thickness, adiposity, kilovolts peak and density settings. This requirement will be deemed satisfied when:

(i) an automatic exposure control technique guide is posted, and

(ii) for a series of films obtained for attenuator thicknesses of two to seven centimeters the resulting radiographic optical densities are within plus or minus 0.2 of the average value when the kVp and density control setting are adjusted as indicated on the technique guide. The attenuator used for determining compliance shall be either acrylic or other tissue equivalent material.

(f) Patient Dose. The x-ray equipment must be capable of giving an average glandular dose to an average size breast of average tissue density that does not exceed 3.0 mGy (0.3 rad) with a grid or 1.0 mGy (0.1 rad) without a grid. This will be deemed satisfied when using an acrylic phantom of 4.5 cm thickness. In addition, under all clinical use conditions, the average glandular dose to the breast must be less than 5.0 mGy (0.5 rad) per film for healing arts screening procedures.

(3) Mammography X-ray Equipment Quality Control.

(a) Initial Installation. Upon completion of the initial installation of the x-ray equipment, and before it is commissioned for clinical use, the equipment shall be evaluated by a mammography imaging medical physicist who has been approved by the Board. The evaluation results shall be submitted to the Executive Secretary for review and approval.

(b) Annual Evaluation. At intervals not to exceed 12 months or at the request of the Executive Secretary, the x-ray equipment shall be evaluated by a mammography imaging medical physicist who has been approved by the Board.

(c) The registrant shall develop and implement a quality control testing procedure for monitoring the radiation performance of the x-ray equipment.

R313-28-140. Qualifications of Mammography Imaging Medical Physicist.

An individual seeking certification by the Board for approval as a mammography imaging medical physicist shall file an application for certification on forms furnished by the Division. The Board may certify individuals who meet the requirements for initial qualifications. To remain certified by the Board as a mammography imaging medical physicist, an individual shall satisfy the requirements for continuing qualifications.

(1) Initial qualifications.

(a) Be certified by the American Board of Radiology in Radiological Physics or Diagnostic Radiological Physics, or the American Board of Medical Physicists in Diagnostic Imaging Physics; or

(b) Satisfy the following educational and experience requirements:

(i) Have a master's or higher degree from an accredited university or college in physical sciences; and

(ii) Have two years full-time experience conducting mammography surveys. Five mammography surveys shall be equal to one year full-time experience.

(2) Continuing qualifications.

(a) During the three-year period after certification, the individual shall earn 15 hours of continuing educational credits in mammography imaging; and

(b) Perform at least two mammography surveys annually.

(3) Mammography imaging medical physicists who fail to maintain the required continuing qualifications stated in R313-28-140(2) shall re-establish their qualifications before independently surveying another mammography facility. To re-establish their qualifications, mammography imaging physicists who fail to meet:

(a) The continuing education requirements of R313-28-140(2)(a) must obtain a sufficient number of continuing educational credits to bring their total credits up to the required 15 in the previous three years.

(b) The continuing experience requirement of R313-28-140(2)(b) must obtain experience by surveying two mammography facilities for each year of not meeting the continuing experience requirements under the supervision of a mammography imaging medical physicist approved by the Board.

R313-28-160. Computed Tomography X-ray Equipment.

(1) Equipment Requirements.

(a) In the event of equipment failure affecting data collection, means shall be provided to terminate the x-ray exposure automatically by either de-energizing the x-ray source or intercepting the x-ray beam with a shutter mechanism through the use of either a back-up timer or devices which monitor equipment function.

(b) A visible signal shall indicate when the x-ray exposure has been terminated through the means required by R313-28-160 (1)(a).

(c) The operator shall be able to terminate the x-ray exposure at any time during a scan, or series of scans, of greater than 0.5 second duration.

(2) Tomographic Plane Indication and Alignment.

(a) Means shall be provided to permit visual determination of the location of a reference plane. This reference plane can be offset from the location of the tomographic plane.

(b) If a device using a light source is used to satisfy R313-28-160 (2)(a), the light source shall provide illumination at levels sufficient to permit visual determination of the location of the tomographic plane or reference plane.

(c) The total error in the indicated location of the tomographic plane or reference plane shall not exceed 5 millimeters.

(3) Beam-On and Shutter Status Indicators.

(a) The computed tomography (CT) x-ray control panel and CT gantry shall provide visual indication whenever x-rays are produced and, if applicable, whether the shutter is open or closed.

(b) Each emergency button or switch shall be clearly labeled as to its function.

(4) Indication of CT Conditions of Operation.

(a) The CT x-ray system shall be designed such that technique factors, tomographic section thickness, and scan increment shall be indicated prior to the initiation of a scan or series of scans.

(5) Quality Assurance Procedures. Quality assurance procedures shall be conducted on the CT x-ray equipment.

(a) The quality assurance procedures shall be in writing. Such procedures shall include, but not be limited to, the following:

(i) Specifications of the tests that are to be performed, including instructions to be employed in the performance of those tests; and

(ii) Specifications of the frequency at which tests are to be performed, the acceptable tolerance for each parameter measured and actions to be taken if tolerances are exceeded.

(b) The parameters measured to satisfy R313-28-160(5)(a)(ii) shall include, but not be limited to, kVp, mA and reproducibility of dose appropriate to the type of CT procedures performed.

(c) Records of tests performed to satisfy the requirements of R313-28-160(5)(a) and (b) shall be maintained for three years for inspection by the Division.

(6) Dose Calibration.

(a) Radiation measurements shall be performed at least annually and after change or replacement of components which could cause a change in the radiation output.

(b) The calibration of the radiation measuring instrument shall be traceable to a national standard and shall be calibrated at intervals not to exceed two years.

(c) Measurements shall be specified in terms of the multiple scan average dose, using phantoms and technique factors appropriate to the type of CT procedures performed.

R313-28-200. Information on Radiation Shielding Required for Plan Reviews.

In order to evaluate a need for radiation shielding associated with a plan review, the following information must be submitted.

(1) The plans showing, as a minimum, the following:

(a) the normal location of the radiation producing equipment's radiation port, the port's travel and traverse limits, general directions of the radiation beam, locations of windows, the location of the operator's booth, and the location of the x-ray

control panel;

(b) structural composition and thickness of walls, doors, partitions, floor, and ceiling of the rooms concerned;

(c) the dimensions, including height, floor to floor, of the rooms concerned;

(d) the type of occupancy of adjacent areas inclusive of space above and below the rooms concerned. If there is an exterior wall, show distance to the closest existing occupied areas;

(e) the make and model of the x-ray equipment, the maximum energy output, and the energy waveform; and

(f) the type of examination or treatment which will be performed with the equipment.

(2) Information on the anticipated workload of the x-ray systems in mA-minutes per week.

(3) A report showing all basic assumptions used in the development of the shielding specifications.

R313-28-300. Additional Requirements Applicable to Certified Systems Only.

Diagnostic x-ray systems incorporating one or more certified components shall be required to comply with the following additional requirements which relate to the certified component.

(1) Beam limitation for stationary and mobile general purpose x-ray systems.

(a) There shall be provided a means of stepless adjustment of the size of the x-ray field. The minimum field size at an SID of 100 centimeters shall be equal to or less than five centimeters by five centimeters.

(b) When a light localizer is used to define the x-ray field, it shall provide an average illumination of not less than 160 LUX (15 foot-candles) at 100 centimeters or at the maximum SID, whichever is less. The average illumination shall be based upon measurements made in the approximate center of the quadrants of the light field. Radiation therapy simulation systems are exempt from this requirement.

(2) Beam Limitation for Portable X-ray Systems. Beam limitation for portable x-ray systems shall meet the additional field limitation requirements of R313-28-51(1) or R313-28-300(1).

(3) Beam limitation and alignment on stationary general purpose x-ray systems equipped with PBL.

(a) PBL shall prevent the production of x-rays when:

(i) either the length or the width of the x-ray field in the plane of the image receptor differs, except as permitted by R313-28-300(3)(c), from the corresponding image receptor dimensions by more than three percent of the SID; or

(ii) the sum of the length and width differences as stated in R313-28-300(3)(a)(i) without regard to sign exceeds four percent of the SID.

(b) Compliance with R313-28-300(3)(a) shall be determined when the equipment indicates that the beam axis is perpendicular to the plane of the image receptor. Compliance shall be determined no sooner than five seconds after insertion of the image receptor.

(c) The PBL system shall be capable of operation, at the discretion of the operator, so that the field size at the image receptor can be adjusted to a size smaller than the image receptor through stepless adjustment of the field size. The minimum field size at a distance of 100 centimeters shall be equal to or less than five centimeters by five centimeters.

(d) The PBL system shall be designed so that if a change in image receptor does not cause an automatic return to PBL function as described in R313-28-300(3)(a), then change of the image receptor size or SID must cause the automatic return.

(4) Tube Stands for Portable X-Ray Systems. A tube stand or other mechanical support shall be used for portable x-ray systems, so that the x-ray tube housing assembly need not be hand-held during exposures.

R313-28-350. Qualifications of Operators.

Operators of diagnostic x-ray systems must be licensed to practice in Utah in accordance with Title 58 Chapter 54.

(1) The registrant shall document that the operator of diagnostic x-ray equipment is trained in the proper choice of technique factors to be used and in the safe and effective operation of the x-ray equipment.

R313-28-400. Information to be Submitted by Persons Proposing to Conduct Healing Art Screening.

Individuals requesting that the Executive Secretary approve a healing arts screening program shall submit the following information for evaluation:

(1) name and address of the applicant and, where applicable, the names and addresses of agents within this State;

(2) diseases or conditions for which the x-ray examinations are to be used;

(3) description, in detail, of the x-ray examinations proposed in the screening program including the frequency of screening and the duration of the entire screening program;

(4) description of the population to be examined in the screening program including age, sex, physical condition, and other appropriate information; and

(5) an evaluation of known alternate methods not involving ionizing radiation which could achieve the goals of the screening program and why these methods are not used in preference to the x-ray examinations.

R313-28-450. Minimum Design Requirements for an X-ray Machine Operator's Booth - New Installations Only.

(1) Space requirements:

(a) The operator shall be allotted not less than 0.70 square meter (7.5 square feet) of unobstructed floor space in the booth.

(b) The minimum space as indicated above may be geometric configurations with no dimension of less than 0.61 meters (two feet).

(c) The space shall be allotted excluding encumbrances by the console, for example, overhang or cables, or other similar encroachments.

(d) The booth shall be located or constructed to ensure that unattenuated primary beam scatter originating on the examination table or at the wall mounted image receptor will not reach the operator's position in the booth.

(2) Structural Requirements.

(a) The booth walls shall be permanently fixed barriers of at least 2.13 meters (seven feet) high.

(b) When a door or movable panel is used as an integral

part of the booth shielding, it must have a permissive device which will prevent an exposure when the door or panel is not closed.

(c) Shielding shall be provided to meet the requirements of R313-15.

(3) X-Ray Exposure Control Placement: The x-ray exposure control for the system shall be fixed within the booth and:

(a) shall be at least one meter (40 inches) from points subject to primary beam scatter, leakage or primary beam radiation; and

(b) shall allow the operator to use the majority of the available viewing windows.

(4) Viewing system requirements:

(a) When the viewing system is a window:

(i) the viewing window shall have a visible area of at least 0.09 square meters (one square foot);

(ii) regardless of size or shape, at least 0.09 square meters (one square foot) of the window area must be centered no less than 0.6 meters (two feet) from the open edge of the booth and no less than 1.5 meters (five feet) from the floor; and

(iii) the window shall have at least the same lead equivalence of that required in the booth's wall in which it is mounted.

(b) When the viewing system is by mirrors, the mirrors shall be so located as to accomplish the general requirements of R313-28-450(4)(a).

(c) When the viewing system is by electronic means:

(i) the camera shall be so located as to accomplish the general requirements of R313-28-450(4)(a); and

(ii) there shall be an alternate viewing system as a backup for the primary system.

KEY: dental, x-ray, mammography, beam limitation
December 8, 2000 19-3-104
Notice of Continuation October 10, 2001

R313. Environmental Quality, Radiation Control.
R313-32. Medical Use of Radioactive Material.
R313-32-1. Purpose and Authority.

(1) The purpose of this rule is to prescribe requirements and provisions for the medical use of radioactive material and for issuance of specific licenses authorizing the medical use of this material. These requirements and provisions provide for the protection of the public health and safety. The requirements and provisions of R313-32 are in addition to, and not in substitution for, other sections of R313.

(2) The rules set forth herein are adopted pursuant to the provisions of Sections 19-3-104(3) and 19-3-104(6).

R313-32-2. Definitions.

"Authorized nuclear pharmacist" means a pharmacist who is:

(a) board certified as a nuclear pharmacist by the Board of Pharmaceutical Specialties;

(b) identified as an authorized nuclear pharmacist on a Nuclear Regulatory Commission or Agreement State license that authorizes the use of radioactive material in the practice of nuclear pharmacy; or

(c) identified as an authorized nuclear pharmacist on a permit issued by a Nuclear Regulatory Commission or Agreement State specific licensee of broad scope that is authorized to permit the use of radioactive material in the practice of nuclear pharmacy.

"Authorized user" means a physician, dentist, or podiatrist who is:

(a) board certified by at least one of the boards listed in Paragraph (1) of R313-32-910, R313-32-920, R313-32-930, R313-32-940, R313-32-950, or R313-32-960;

(b) identified as an authorized user on a Nuclear Regulatory Commission or Agreement State license that authorizes the medical use of radioactive material; or

(c) identified as an authorized user on a permit issued by a Nuclear Regulatory Commission or Agreement State specific licensee of broad scope that is authorized to permit the medical use of radioactive material.

"Brachytherapy source" means an individual sealed source or a manufacturer-assembled source train that is not designed to be disassembled by the user.

"Dedicated check source" means a radioactive source that is used to assure the constant operation of a radiation detection or measurement device over several months or years.

"Dental use" means the intentional external administration of the radiation from radioactive material to human beings in the practice of dentistry in accordance with a license issued by this state.

"Dentist" means an individual licensed by this state to practice dentistry.

"Diagnostic clinical procedures manual" means a collection of written procedures that describes each method, other instructions, and precautions, by which the licensee performs diagnostic clinical procedures; where each diagnostic clinical procedure has been approved by the authorized user and includes the radiopharmaceutical, dosage, and route of administration.

"Management" means the chief executive officer or that person's delegate.

"Medical institution" means an organization in which several medical disciplines are practiced.

"Medical use" means the intentional internal or external administration of radioactive material, or the radiation therefrom, to patients or human research subjects under the supervision of an authorized user.

"Ministerial change" means a change that is made, after ascertaining the applicable requirements, by persons in authority in conformance with the requirements and without making a discretionary judgement about whether those requirements should apply in the case at hand.

"Misadministration" means the administration of:

(a) A radiopharmaceutical dosage greater than 1.11 MBq (30 uCi) of either sodium iodide I-125 or I-131:

(i) involving the wrong individual, or wrong radiopharmaceutical; or

(ii) when both the administered dosage differs from the prescribed dosage by more than 20 percent of the prescribed dosage and the difference between the administrated dosage and prescribed dosage exceeds 1.11 MBq (30 uCi).

(b) A therapeutic radiopharmaceutical dosage, other than sodium iodide I-125 or I-131:

(i) involving the wrong individual, wrong radiopharmaceutical, or wrong route of administration; or

(ii) when the administered dosage differs from the prescribed dosage by more than 20 percent of the prescribed dosage.

(c) A gamma stereotactic radiosurgery radiation dose:

(i) involving the wrong individual or wrong treatment site; or

(ii) when the calculated total administered dose differs from the total prescribed dose by more than ten percent of the total prescribed dose.

(d) A teletherapy radiation dose:

(i) involving the wrong individual, wrong mode of treatment, or wrong treatment site;

(ii) when the treatment consists of three or fewer fractions and the calculated total administered dose differs from the total prescribed dose by more than ten percent of the total prescribed dose;

(iii) when the calculated weekly administered dose exceeds the weekly prescribed dose by 30 percent or more of the weekly prescribed dose; or

(iv) when the calculated total administered dose differs from the total prescribed dose by more than 20 percent of the total prescribed dose.

(e) A brachytherapy radiation dose:

(i) involving the wrong individual, wrong radionuclide, or wrong treatment site (excluding, for permanent implants, seeds that were implanted in the correct site but migrated outside the treatment site);

(ii) involving a sealed source that is leaking;

(iii) when, for a temporary implant, one or more sealed sources are not removed upon completion of the procedure; or

(iv) when the calculated administered dose differs from the prescribed dose by more than 20 percent of the prescribed dose.

(f) A diagnostic radiopharmaceutical dosage, other than quantities greater than 1.11 MBq (30 uCi) of either sodium

iodide I-125 or I-131, or both:

(i) involving the wrong individual, wrong radiopharmaceutical, wrong route of administration, or when the administered dosage differs from the prescribed dosage; and

(ii) when the dose to the individual exceeds 0.05 Sv (five rems) effective dose equivalent or 0.5 Sv (50 rems) dose equivalent to any individual organ.

"Mobile nuclear medicine service" means the transportation and medical use of radioactive material.

"Output" means the exposure rate, dose rate, or a quantity related in a known manner to these rates from a teletherapy unit for a specified set of exposure conditions.

"Pharmacist" means an individual licensed by a State or Territory of the United States, the District of Columbia, or the Commonwealth of Puerto Rico to practice pharmacy.

"Podiatric use" means the intentional external administration of the radiation from radioactive material to human beings in the practice of podiatry in accordance with a license issued by this State.

"Podiatrist" means an individual licensed by this State to practice podiatry.

"Prescribed dosage" means the quantity of radiopharmaceutical activity as documented:

(a) in a written directive; or

(b) either in the diagnostic clinical procedures manual or in an appropriate record in accordance with the directions of the authorized user for diagnostic procedures.

"Prescribed dose" means:

(a) for gamma stereotactic radiosurgery, the total dose as documented in the written directive;

(b) for teletherapy, the total dose and dose per fraction as documented in the written directive; or

(c) for brachytherapy, either the total source strength and exposure time or the total dose, as documented in the written directive.

"Radiation Safety Officer" means the individual identified as the Radiation Safety Officer on a license issued by the Executive Secretary.

"Recordable event" means the administration of:

(a) a radiopharmaceutical or radiation without a written directive where a written directive is required;

(b) a radiopharmaceutical or radiation where a written directive is required without daily recording of each administered radiopharmaceutical dosage or radiation dose in the appropriate record;

(c) a radiopharmaceutical dosage greater than 1.11 MBq (30 uCi) of either sodium iodide I-125 or I-131 when both:

(i) the administered dosage differs from the prescribed dosage by more than ten percent of the prescribed dosage, and

(ii) the difference between the administered dosage and prescribed dosage exceed 555 kBq (15 uCi);

(d) A therapeutic radiopharmaceutical dosage, other than sodium iodide I-125 or I-131, when the administered dosage differs from the prescribed dosage by more than ten percent of the prescribed dosage;

(e) A teletherapy radiation dose when the calculated weekly administered dose exceeds the weekly prescribed dose by 15 percent or more of the weekly prescribed dose; or

(f) A brachytherapy radiation dose when the calculated administered dose differs from the prescribed dose by more than ten percent of the prescribed dose.

"Teletherapy" means therapeutic irradiation in which the source of radiation is at a distance from the body.

"Teletherapy physicist" means the individual identified as the teletherapy physicist on a license issued by the Executive Secretary.

"Visiting authorized user" means an authorized user who is not identified as an authorized user on the license of the licensee being visited.

"Written directive" means an order in writing for a specific patient or human research subject, dated and signed by an authorized user prior to the administration of a radiopharmaceutical or radiation, except as specified in paragraph (f) of this definition, containing the following information:

(a) for any administration of quantities greater than 1.11 MBq (30 uCi) of either sodium iodide I-125 or I-131: the dosage;

(b) for a therapeutic administration of a radiopharmaceutical other than sodium iodide I-125 or I-131: the radiopharmaceutical, dosage, and route of administration;

(c) for gamma stereotactic radiosurgery: target coordinates, collimator size, plug pattern, and total dose;

(d) for teletherapy: the total dose, dose per fraction, treatment site, and overall treatment period;

(e) for high-dose-rate remote afterloading brachytherapy: the radioisotope, treatment site, and total dose; or

(f) for all other brachytherapy:

(i) prior to implantation: the radionuclide, number of sources, and source strengths; and

(ii) after implantation but prior to completion of the procedure: the radionuclide, treatment site, and total source strength and exposure time, or equivalently, the total dose.

R313-32-6. Provisions for Research Involving Human Subjects.

A licensee may conduct research involving human subjects using radioactive material provided that the research is conducted, funded, supported, or regulated by a Federal Agency which has implemented the Federal Policy for the Protection of Human Subjects. Otherwise, a licensee shall apply for and receive approval of a specific amendment to its Utah license before conducting such research. Both types of licensees shall, at a minimum, obtain informed consent from the human subjects and obtain prior review and approval of the research activities by an "Institutional Review Board" in accordance with the meaning of these terms as defined and described in the Federal Policy for the Protection of Human Subjects.

R313-32-7. FDA, other Federal, and State Requirements.

Nothing in R313-32 relieves the licensee from complying with applicable FDA, other Federal, and State requirements governing radioactive drugs or devices.

R313-32-11. License Required.

(1) A person shall not manufacture, produce, acquire, receive, possess, use, or transfer radioactive material for medical use except in accordance with a specific license issued by the

Executive Secretary, the Nuclear Regulatory Commission, or an Agreement State, or as allowed in R313-32-11(2) or (3).

(2) An individual shall receive, possess, use, or transfer radioactive material in accordance with the Utah Radiation Control Rules under the supervision of an authorized user as provided in R313-32-25, unless prohibited by license condition.

(3) An individual may prepare unsealed radioactive material for medical use in accordance with R313-32 under the supervision of an authorized nuclear pharmacist or authorized user as provided in R313-32-25, unless prohibited by license condition.

R313-32-12. Application for License, Amendment, or Renewal.

(1) If the application is for medical use sited in a medical institution, only the institution's management may apply. If the application is for medical use not sited in a medical institution, any person may apply.

(2) An application for a license for medical use of radioactive material as described in R313-32-100, R313-32-200, R313-32-300, R313-32-400, and R313-32-500 must be made by filing of Form DRC-02, "Application for Materials License." For guidance in completing the form, refer to the instructions in the most current versions of the appropriate Regulatory Guides. A request for a license amendment or renewal may be submitted in a letter format.

(3) An applicant that satisfies the requirements specified in R313-22-50(2) may apply for a Type A specific license of broad scope.

R313-32-13. License Amendment.

A licensee shall apply for and receive a license amendment:

(1) before it receives or uses radioactive material for a clinical procedure permitted under R313-32 but not permitted by the license issued pursuant to R313-32;

(2) before it permits anyone to work as an authorized user or authorized nuclear pharmacist under the license, except an individual who is:

(a) an authorized user certified by the organizations specified in paragraph (1) of R313-32-910, R313-32-920, R313-32-930, R313-32-940, R313-32-950, or R313-32-960;

(b) an authorized nuclear pharmacist certified by the organization specified in paragraph (1) of R313-32-980;

(c) identified as an authorized user or an authorized nuclear pharmacist on a Nuclear Regulatory Commission or an Agreement State license that authorizes the use of radioactive material in medical use or in the practice of nuclear pharmacy, respectively, or

(d) identified as an authorized user or an authorized nuclear pharmacist on a permit issued by the Executive Secretary, the Nuclear Regulatory Commission or an Agreement State specific licensee of broad scope that is authorized to permit the use of radioactive material in medical use or in the practice of nuclear pharmacy, respectively.

(3) before it changes Radiation Safety Officers or Teletherapy Physicists;

(4) before it orders radioactive material in excess of the amount, or radionuclide or form different than authorized on the license; and

(5) before it adds to or changes the address or addresses of use identified on the license.

R313-32-14. Notifications.

(1) A licensee shall provide to the Executive Secretary a copy of the board certification, the Nuclear Regulatory Commission or Agreement State license, or the permit issued by a licensee of broad scope for each individual no later than 30 days after the date that the licensee permits the individual to work as an authorized user or an authorized nuclear pharmacist pursuant to R313-32-13(2)(a) through (2)(d).

(2) A licensee shall notify the Executive Secretary by letter no later than 30 days after:

(a) an authorized user, an authorized nuclear pharmacist, Radiation Safety Officer, or teletherapy physicist permanently discontinues performance of duties under the license or has a name change; or

(b) the licensee's mailing address changes.

(3) The licensee shall mail the documents required in R313-32-14 to the address identified in R313-12-110.

R313-32-15. Exemptions Regarding Type A Specific Licenses of Broad Scope.

A licensee possessing a Type A specific license of broad scope for medical use is exempt from the following:

(1) The provisions of R313-32-13(2);

(2) The provisions of R313-32-13(5) regarding additions to or changes in the areas of use only at the addresses specified in the license;

(3) The provisions of R313-32-14(1); and

(4) The provisions of R313-32-14(2)(a) for an authorized user or an authorized nuclear pharmacist.

R313-32-18. License Issuance.

The Executive Secretary shall issue a license for the medical use of radioactive material for a term of five years provided the following requirements are met:

(1) The applicant has filed form DRC-02 "Application for Materials License - Medical" in accordance with the instructions in R313-22-32.

(2) The applicant has paid any applicable fee as provided in R313-70.

(3) The Executive Secretary finds the applicant equipped and committed to observe the safety standards established in R313-15 for the protection of the public health and safety.

(4) In addition to the requirements set forth in R313-22-33 a specific license for human use of radioactive material in institutions will be issued if:

(a) the applicant has appointed a radiation safety committee to coordinate the use of radioactive material throughout that institution and to maintain surveillance over the institution's radiation safety program; and

(b) if the application is for a license to use unspecified quantities or multiple types of radioactive material, the applicant's staff has training and experience in the use of a variety or radioactive materials for a variety of human uses, and meets the training and experience requirements of R313-32.

(5) A specific license for the human use of radioactive material will be issued to an individual physician if the

following are complied with:

(a) The applicant has access to a hospital possessing adequate facilities to hospitalize and monitor the applicant's radioactive patients whenever it is advisable.

(b) The applicant has training and experience as required by R313-32, in the handling and administration of radioactive material and, where applicable, the clinical management of radioactive patients.

(c) The application is for use in the applicant's practice in an office outside a medical institution.

(d) The Executive Secretary shall not approve an application by an individual physician or group of physicians for a specific license to receive, possess or use radioactive material on the premises of a medical institution unless:

(i) the use of radioactive material is limited to:

(A) the administration of radiopharmaceuticals for diagnostic or therapeutic purposes;

(B) the performance of diagnostic studies on patients to whom a radiopharmaceutical has been administered;

(C) the performance of in vitro diagnostic studies;

(D) the calibration and quality control checks of radioactive assay instrumentation, radiation safety instrumentation and diagnostic instrumentation;

(ii) the physician brings the radioactive material with him and removes the radioactive material when he departs. The institution cannot receive, possess or store radioactive material other than the amount of material remaining in the patient; or

(iii) the medical institution does not hold a radioactive material license issued pursuant to the provisions of R313-32-18(4).

R313-32-19. Specific Exemptions.

The Board may, upon application of any interested person or upon its own initiative, grant exemptions from the rules in R313-32 as it determines are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. The Board will review requests for exemptions from training and experience requirements with the assistance of the Executive Secretary.

R313-32-20. ALARA Program.

(1) The licensee shall develop and implement a written radiation protection program that includes provisions for keeping doses ALARA.

(2) To satisfy the requirement of R313-32-20(1) one of the following shall be implemented:

(a) At a medical institution, management, the Radiation Safety Officer, and authorized users shall participate in the program as requested by the Radiation Safety Committee.

(b) For licensees that are not medical institutions, management and authorized users shall participate in the program as requested by the Radiation Safety Officer.

(3) The program shall include notice to workers of the program's existence and workers' responsibility to help keep dose equivalents ALARA, a review of summaries of the types and amounts of radioactive material used, occupational doses, changes in radiation safety procedures and safety measures, and continuing education and training for personnel who work with or in the vicinity of radioactive material. The purpose of the review is to ensure that licensees make a reasonable effort to maintain individual and collective occupational doses ALARA.

R313-32-21. Radiation Safety Officer.

(1) A licensee shall appoint a Radiation Safety Officer responsible for implementing the radiation safety program. The licensee, through the Radiation Safety Officer, shall ensure that radiation safety activities are being performed in accordance with approved procedures and regulatory requirements in the daily operation of the licensee's radioactive material program.

(2) The Radiation Safety Officer shall:

(a) investigate overexposures, accidents, spills, losses, thefts, unauthorized receipts, uses, transfers, disposals, misadministrations, and other deviations from approved radiation safety practices and implement corrective actions as necessary;

(b) establish, collect in one binder or file, and implement written policy and procedures for:

(i) authorizing the purchase of radioactive material;

(ii) receiving and opening packages of radioactive material;

(iii) storing radioactive material;

(iv) keeping an inventory record of radioactive material;

(v) using radioactive material safely;

(vi) taking emergency action if control of radioactive material is lost;

(vii) performing periodic radiation surveys;

(viii) performing checks of survey instruments and other safety equipment;

(ix) disposing of radioactive material;

(x) training personnel who work in or frequent areas where radioactive material is used or stored;

(xi) keeping a copy of all records and reports required by the Utah Radiation Control Rules, a copy of these rules, a copy of each licensing request, license and amendment, and written policy and procedures required by the rules;

(c) brief management once a year on the radioactive material program;

(d) establish personnel exposure investigational levels that, when exceeded, will initiate an investigation by the Radiation Safety Officer of the cause of the exposure;

(e) establish personnel exposure investigational levels that, when exceeded, will initiate a prompt investigation by the Radiation Safety Officer of the cause of the exposure and a consideration of actions that might be taken to reduce the probability of recurrence;

(f) for medical use not at a medical institution, approve or disapprove radiation safety program changes with the advice and consent of management; and

(g) for medical use at a medical institution, assist the Radiation Safety Committee in the performance of its duties.

R313-32-22. Radiation Safety Committee.

The medical institution licensee shall establish a Radiation Safety Committee to oversee the use of radioactive material.

(1) The Committee shall meet the following administrative requirements:

(a) Membership shall consist of at least three individuals and shall include an authorized user of each type of use

permitted by the license, the Radiation Safety Officer, a representative of the nursing service, and a representative of management who is neither an authorized user nor a Radiation Safety Officer. Other members may be included as the licensee deems appropriate.

(b) The Committee shall meet at least quarterly.

(c) To establish a quorum and to conduct business, at least one-half of the Committee's membership shall be present, including the Radiation Safety Officer and the management's representative.

(d) The minutes of each Radiation Safety Committee meeting shall include:

(i) the date of the meeting;

(ii) members present;

(iii) members absent;

(iv) summary of deliberations and discussions;

(v) recommended actions and the numerical results of all ballots; and

(vi) ALARA program reviews described in R313-32-20.

(e) The Committee shall promptly provide the members with copies of the meeting minutes, and retain one copy for the duration of the license.

(2) To oversee the use of licensed material, the Committee shall:

(a) review recommendations on ways to maintain individual and collective doses ALARA;

(b)(i) review, on the basis of safety and with regard to the training and experience standards in R313-32-900 through R313-32-981, and approve or disapprove any individual who is to be listed as an authorized user, an authorized nuclear pharmacist, the Radiation Safety Officer, or a Teletherapy Physicist before submitting a license application or request for amendment or renewal; or

(ii) review, pursuant to R313-32-13(2)(a) through (2)(d), on the basis of the board certification, the license, or the permit identifying an individual, and approve or disapprove any individual prior to allowing that individual to work as an authorized user or authorized nuclear pharmacist;

(c) review on the basis of safety, and approve with the advice and consent of the Radiation Safety Officer and the management representative, or disapprove minor changes in radiation safety procedures that are not potentially important to safety and are permitted under R313-32-31;

(d) review quarterly, with the assistance of the Radiation Safety Officer, a summary of the occupational radiation dose records of personnel working with radioactive material;

(e) review quarterly, with the assistance of the Radiation Safety Officer, incidents involving radioactive material with respect to cause and subsequent actions taken; and

(f) review annually, with the assistance of the Radiation Safety Officer, the radiation safety program.

R313-32-23. Statements of Authority and Responsibilities.

(1) A licensee shall provide the Radiation Safety Officer, and at a medical institution the Radiation Safety Committee, sufficient authority, organizational freedom, and management prerogative, to:

(a) identify radiation safety problems;

(b) initiate, recommend, or provide corrective actions; and

(c) verify implementation of corrective actions.

(2) A licensee shall establish and state in writing the authorities, duties, responsibilities, and radiation safety activities of the Radiation Safety Officer, and at a medical institution the Radiation Safety Committee, and retain the current edition of these statements as a record until the Executive Secretary terminates the license.

R313-32-25. Supervision.

(1) A licensee that permits the receipt, possession, use or transfer of radioactive material by an individual under the supervision of an authorized user as allowed by R313-32-11(2) shall:

(a) instruct the supervised individual in the principles of radiation safety appropriate to that individual's use of radioactive material and in the licensee's written quality management program;

(b) require the supervised individual to follow the instructions of the supervising authorized user, follow the written radiation safety and quality management procedures established by the licensee, and comply with the Utah Radiation Control Rules and the license conditions with respect to the use of radioactive material; and

(c) periodically review the supervised individual's use of radioactive material and the records kept to reflect this use.

(2) A licensee that permits the preparation of radioactive material for medical use by an individual under the supervision of an authorized nuclear pharmacist or physician who is an authorized user, as allowed by R313-32-11(3), shall:

(a) instruct the supervised individual in the preparation of radioactive material for medical use and the principles of and procedures for radiation safety and in the licensee's written quality management program, as appropriate to that individual's use of radioactive material;

(b) require the supervised individual to follow the instructions given pursuant to R313-32-25(2)(a) and to comply with these rules and license conditions; and

(c) require the supervising authorized nuclear pharmacist or physician who is an authorized user to periodically review the work of the supervised individual as it pertains to preparing radioactive material for medical use and the records kept to reflect that work.

(3) A licensee that supervises an individual is responsible for the acts and omissions of the supervised individual.

R313-32-29. Administrative Requirements that Apply to the Providers of Mobile Nuclear Medicine Service.

(1) The Executive Secretary will license mobile nuclear medicine service only in accordance with R313-32-100, R313-32-200, and R313-32-500.

(2) Mobile nuclear medicine service licensees shall obtain a letter signed by the management of each client for which services are rendered that authorizes use of radioactive material at the client's address of use. The mobile nuclear medicine service licensee shall retain the letter for three years after the last provision of service.

(3) If a mobile nuclear medicine service provides services that the client is also authorized to provide, the client is responsible for assuring that services are conducted in

accordance with the rules while the mobile nuclear medicine service is under the client's direction.

(4) A mobile nuclear medicine service shall not order radioactive material to be delivered directly from the manufacturer or distributor to the client's address of use.

R313-32-31. Radiation Safety Program Changes.

(1) A licensee may make minor changes in radiation safety procedures that are not potentially important to safety, i.e., ministerial changes, that were described in the application for license, renewal, or amendment except for those changes in R313-32-13 and R313-32-606. A licensee is responsible for assuring that any change made is in compliance with the requirements of the rules and the license.

(2) A licensee shall retain a record of each change until the license has been renewed or terminated. The record shall include the effective date of the change, a copy of the old and new radiation safety procedures, the reason for the change, a summary of radiation safety matters that were considered before making the change, the signature of the Radiation Safety Officer, and the signatures of the affected authorized users and of management or, in a medical institution, the Radiation Safety Committee's chairman and the management representative.

R313-32-32. Quality Management Program.

(1) The applicant or licensee shall establish and maintain a written quality management program to provide high confidence that radioactive material or radiation from radioactive material will be administered as directed by the authorized user. The quality management program shall include written policies and procedures to meet the following specific objectives:

(a) that, prior to administration, a written directive is prepared for:

(i) teletherapy radiation doses;

(ii) gamma stereotactic radiosurgery radiation doses;

(iii) brachytherapy radiation doses;

(iv) administration of quantities greater than 1.11 MBq (30 uCi) of either sodium iodide I-125 or I-131;

(v) therapeutic administration of a radiopharmaceutical, other than sodium iodide I-125 or I-131;

(b) that the following are exceptions to the written directive:

(i) if, because of the patient's condition, a delay in order to provide a written revision to an existing written directive would jeopardize the patient's health, an oral revision to an existing written directive will be acceptable, provided that the oral revision is documented immediately in the patient's record and a revised written directive is signed by the authorized user within 48 hours of the oral revision;

(ii) also, a written revision to an existing written directive may be made for a diagnostic or therapeutic procedure provided that the revision is dated and signed by an authorized user prior to the administration of the radiopharmaceutical dosage, the brachytherapy dose, the gamma stereotactic radiosurgery dose, the teletherapy dose, or the next teletherapy fractional dose; or

(iii) if, because of the emergent nature of the patient's condition, a delay in order to provide a written directive would jeopardize the patient's health, an oral directive will be acceptable, provided that the information contained in the oral directive is documented immediately in the patient's record and a written directive is prepared within 24 hours of the oral directive;

(c) that, prior to each administration, the patient's or human research subject's identity is verified by more than one method as the individual named in the written directive;

(d) that final plans of treatment and related calculations for brachytherapy, teletherapy, and gamma stereotactic radiosurgery are in accordance with the respective written directives;

(e) that each administration is in accordance with the written directive; and

(f) that each unintended deviation from the written directive is identified and evaluated, and appropriate action is taken.

(2) The licensee shall:

(a) develop procedures for and conduct a review of the quality management program including, since the last review, an evaluation of:

(i) a representative sample of patient and human research subject administrations,

(ii) all recordable events, and

(iii) all misadministrations to verify compliance with each aspect of the quality management program; these reviews shall be conducted at intervals no greater than 12 months;

(b) evaluate these reviews to determine the effectiveness of the quality management program and, if required, make modifications to meet the objectives of R313-32-32(1); and

(c) retain records of the review, including the evaluations and findings of the review, in an auditable form for three years.

(3) The licensee shall evaluate and respond, within 30 days after discovery of the recordable event, to each recordable event by:

(a) assembling the relevant facts including the cause;

(b) identifying what, if applicable, corrective action is required to prevent recurrence; and

(c) retaining a record, in an auditable form, for three years, of the relevant facts and what corrective action, if applicable, was taken.

(4) The licensee shall retain:

(a) a written directive; and

(b) a record of each administered radiation dose or radiopharmaceutical dosage where a written directive is required in R313-32-32(1)(a), in an auditable form, for three years after the date of administration.

(5) The licensee may make modifications to the quality management program to increase the program's efficiency provided the program's effectiveness is not decreased. The licensee shall furnish the modification to the Executive Secretary within 30 days after the modification has been made.

(6)(a) Applicants for a new license, as applicable, shall submit to the Executive Secretary in accordance with R313-12-110 a quality management program as part of the application for a license and implement the program upon issuance of the license by the Executive Secretary.

(b) Existing licensees, as applicable, shall submit to the Executive Secretary in accordance with R313-12-110, prior to March 1, 1995, a written certification that the quality management program has been implemented along with a copy

of the program.

R313-32-33. Notifications, Reports and Records of Misadministrations.

(1) For a misadministration:

(a) the licensee shall notify the Executive Secretary by telephone no later than the next calendar day after discovery of the misadministration.

(b) the licensee shall submit a written report to the Executive Secretary within 15 days after discovery of the misadministration. The written report shall include the licensee's name; the prescribing physician's name; a brief description of the event; why the event occurred; the effect on the individual who received the misadministration; what improvements are needed to prevent recurrence; actions taken to prevent recurrence; whether the licensee notified the individual (or the individual's responsible relative or guardian), and if not, why not; and if there was notification, what information was provided. The report must not include the individual's name or any other information that could lead to identification of the individual. To meet the requirements of R313-32-33, the notification of the individual receiving the misadministration may be made instead to that individual's responsible relative or guardian, when appropriate.

(c) the licensee shall notify the referring physician and also notify the individual receiving the misadministration of the misadministration no later than 24 hours after its discovery, unless the referring physician personally informs the licensee either that he will inform the individual or that, based on medical judgment, telling the individual would be harmful. The licensee is not required to notify the individual without first consulting the referring physician. If the referring physician or the individual receiving the misadministration cannot be reached within 24 hours, the licensee shall notify the individual as soon as possible thereafter. The licensee may not delay any appropriate medical care for the individual, including any necessary remedial care as a result of the misadministration, because of any delay in notification.

(d) if the individual was notified, the licensee shall also furnish, within 15 days after discovery of the misadministration, a written report to the individual by sending either:

(i) a copy of the report that was submitted to the Executive Secretary; or

(ii) a brief description of both the event and the consequences as they may affect the individual, provided a statement is included that the report submitted to the Executive Secretary can be obtained from the licensee.

(2) The licensee shall retain a record of each misadministration for five years. The record shall contain the names of all individuals involved (including the prescribing physician, allied health personnel, the individual who received the misadministration, and that individual's referring physician, if applicable), the individual's social security number or other identification number if one has been assigned, a brief description of the misadministration, why it occurred, the effect on the individual, improvements needed to prevent recurrence, and the actions taken to prevent recurrence.

(3) Aside from the notification requirement, nothing in R313-32-33 affects any rights or duties of licensees and physicians in relation to each other, to individuals receiving misadministrations, or to that individual's responsible relative or guardian.

R313-32-49. Suppliers for Sealed Sources or Devices for Medical Use.

A licensee may use for medical use only:

(1) Sealed sources or devices manufactured, labeled, packaged, and distributed in accordance with a license issued pursuant to the rules in R313-22 and R313-22-75(10) or the equivalent requirements of the Nuclear Regulatory Commission or an Agreement State; or

(2) Teletherapy sources manufactured and distributed in accordance with a license issued pursuant to R313-22 or the equivalent requirements of the Nuclear Regulatory Commission or an Agreement State.

R313-32-50. Possession, Use, Calibration, and Check of Dose Calibrators.

(1) A licensee shall possess and use a dose calibrator to measure the activity of dosages of photon-emitting radionuclides prior to administration to each patient or human research subject.

(2) A licensee shall:

(a) check each dose calibrator for constancy with a dedicated check source at the beginning of each day of use. To satisfy this requirement, the check shall be done on a frequently used setting with a sealed source of not less than 370 kBq (ten uCi) of radium-226 or 1.85 MBq (50 uCi) for a photon-emitting radionuclide;

(b) test each dose calibrator for accuracy upon installation and at least annually thereafter by assaying at least two sealed sources containing different radionuclides whose activity the manufacturer has determined within five percent of its stated activity, whose activity is at least 370 kBq (ten uCi) for radium-226 and 1.85 MBq (50 uCi) for a photon-emitting radionuclide, and at least one of which has a principal photon energy between 100 keV and 500 keV;

(c) test each dose calibrator for linearity upon installation and at least quarterly thereafter over a range from the highest dosage that will be administered to a patient or human research subject to 1.1 MBq (30 uCi); and

(d) test each dose calibrator for geometry dependence upon installation over the range of volumes and volume configurations for which it will be used. The licensee shall keep a record of this test for the duration of the use of the dose calibrator.

(3) A licensee shall also perform appropriate checks and tests required by R313-32-50 following adjustment or repair of the dose calibrator.

(4) A licensee shall mathematically correct dosage readings for geometry or linearity errors that exceed ten percent if the dosage is greater than 370 kBq (ten uCi) and shall repair or replace the dose calibrator if the accuracy or constancy error exceeds ten percent.

(5) A licensee shall retain a record of each check and test required by R313-32-50 for three years unless directed otherwise. The records required in R313-32-50(2)(a) through (2)(d) shall include:

(a) for R313-32-50(2)(a), the model and serial number of the dose calibrator, the identity of the radionuclide contained in the check source, the date of the check, the activity measured, and the initials of the individual who performed the check;

(b) for R313-32-50(2)(b), the model and serial number of the dose calibrator, the model and serial number of each source used, the identity of the radionuclide contained in the source and its activity, the date of the test, the results of the test, and the identity of the individual performing the test;

(c) for R313-32-50(2)(c), the model and serial number of the dose calibrator, the calculated activities, the measured activities, the date of the test, and the identity of the individual performing the test; and

(d) for R313-32-50(2)(d), the model and serial number of the dose calibrator, the configuration of the source measured, the activity measured for each volume measured, the date of the test, and the identity of the individual performing the test.

R313-32-51. Calibration and Check of Survey Instruments.

(1) A licensee shall calibrate the survey instruments used to show compliance with R313-32 before first use, annually, and following repair. The licensee shall:

(a) calibrate all scales with readings up to ten mSv (1000 mrem) per hour with a radiation source;

(b) calibrate two separated readings on each scale that shall be calibrated. The readings shall be separated by 50 percent of the scale reading; and

(c) conspicuously note on the instrument the apparent exposure rate from a dedicated check source as determined at the time of calibration, and the date of calibration.

(2) When calibrating a survey instrument, the licensee shall consider a point as calibrated if the indicated exposure rate differs from the calculated exposure rate by not more than 20 percent, and shall conspicuously attach a correction chart or graph to the instrument.

(3) A licensee shall check each survey instrument for proper operation with the dedicated check source each day of use. A licensee is not required to keep records of these checks.

(4) A licensee shall retain a record of each survey instrument calibration for three years. The record shall include:

(a) a description of the calibration procedure; and

(b) the date of the calibration, a description of the source used and the certified exposure rates from the source, and the rates indicated by the instrument being calibrated, the correction factors deduced from the calibration data, and the signature of the individual who performed the calibration.

R313-32-52. Possession, Use, Calibration, and Check of Instruments to Measure Dosages or Alpha- or Beta-emitting Radionuclides.

(1) R313-32-52 does not apply to unit dosages of alpha- or beta-emitting radionuclides that are obtained from a manufacturer or preparer licensed pursuant to R313-22-75(9) or equivalent requirements of the Nuclear Regulatory Commission or an Agreement State.

(2) For other than unit dosages obtained pursuant to R313-32-52(1), a licensee shall possess and use instrumentation to measure the radioactivity of alpha- or beta-emitting radionuclides. The licensee shall have procedures for use of the instrumentation. The licensee shall measure, by direct measurement or by combination of measurements and calculations, the amount of radioactivity in dosages of alpha- or beta-emitting radionuclides prior to administration to each patient or human research subject. In addition, the licensee shall:

(a) perform tests before initial use, periodically, and following repair, on each instrument for accuracy, linearity, and geometry dependence, as appropriate for the use of the instrument; and make adjustments when necessary; and

(b) check each instrument for constancy and proper operation at the beginning of each day of use.

R313-32-53. Measurement of Dosages of Unsealed Radioactive Material for Medical Use.

A licensee shall:

(1) measure the activity of each dosage of a photon-emitting radionuclide prior to medical use;

(2) measure, by direct measurement or by combination of measurements and calculations, the activity of each dosage of an alpha- or beta-emitting radionuclide prior to medical use, except for unit dosages obtained from a manufacturer or preparer licensed pursuant to R313-22-75(9) or equivalent requirements of the Nuclear Regulatory Commission or an Agreement State; and

(3) retain a record of the measurements required by R313-32-53 for three years. To satisfy this requirement, the record shall contain the following:

(a) generic name, trade name, or abbreviation of the radiopharmaceutical, its lot number, and expiration dates and the radionuclide;

(b) patient's or human research subject's name, and identification number if one has been assigned;

(c) prescribed dosage and activity of the dosage at the time of measurement, or a notation that the total activity is less than 1.1 MBq (30 uCi);

(d) date and time of the measurement; and

(e) initials of the individual who made the record.

R313-32-57. Authorization for Calibration and Reference Sources.

Persons authorized by R313-32-11 for medical use of radioactive material may receive, possess, and use the following radioactive material for check, calibration, and reference use:

(1) sealed sources manufactured and distributed by a person licensed pursuant to R313-22-75(10) or equivalent Nuclear Regulatory Commission or Agreement State regulations and that do not exceed 555 MBq (15 mCi) each;

(2) radioactive material listed in R313-32-100 or R313-32-200 with a half-life not longer than 100 days in individual amounts not to exceed 555 MBq (15 mCi);

(3) radioactive material listed in R313-32-100 or R313-32-200 with a half-life longer than 100 days in individual amounts not to exceed 7.4 MBq (200 uCi); and

(4) technetium-99m in individual amounts not to exceed 1.85 GBq (50 mCi).

R313-32-59. Requirements for Possession of Sealed Sources and Brachytherapy Sources.

(1) A licensee in possession of sealed sources or brachytherapy sources shall follow the radiation safety and handling instructions supplied by the manufacturer, and shall maintain the instructions for the duration of source use in a legible form convenient to users.

(2) A licensee in possession of a sealed source shall:

(a) test the source for leakage before its first use unless the licensee has a certificate from the supplier indicating that the source was tested within six months before transfer to the licensee; and

(b) test the source for leakage at intervals not to exceed six months or at other intervals approved by the Executive Secretary, the Nuclear Regulatory Commission or an Agreement State and described in the label or brochure that accompanies the source.

(3) To satisfy the leak test requirements of R313-32-59, the licensee must:

(a) take a wipe sample from the sealed source or from the surfaces of the device in which the sealed source is mounted or stored on which radioactive contamination might be expected to accumulate or wash the source in a small volume of detergent solution and treat the entire volume as the sample;

(b) take teletherapy and other device source test samples when the source is in the "off" position; and

(c) measure the sample so that the leakage test can detect the presence of 185 Bq (0.005 uCi) of radioactive material on the sample.

(4) A licensee shall retain leakage test records for five years. The records shall contain the model number, the serial number if assigned, of each source tested, the identity of each source radionuclide and its estimated activity, the measured activity of each test sample expressed in becquerels or microcuries, a description of the method used to measure each test sample, the date of the test, and the signature of the Radiation Safety Officer.

(5) If the leakage test reveals the presence of 185 Bq (0.005 uCi) or more of removable contamination, the licensee shall:

(a) immediately withdraw the sealed source from use and store it in accordance with the requirements in R313-15; and

(b) file a report within five days of the leakage test with the Executive Secretary describing the equipment involved, the test results, and the action taken.

(6) A licensee need not perform a leakage test on the following sources:

(a) sources containing only radioactive material with a half-life of less than 30 days;

(b) sources containing only radioactive material as a gas;

(c) sources containing 3.7 MBq (100 uCi) or less of beta or gamma-emitting material or 370 kBq (ten uCi) or less of alpha-emitting material;

(d) sources stored and not being used. The licensee shall, however, test each source for leakage before use or transfer unless it has been leakage-tested within six months before the date of use or transfer; and

(e) seeds of iridium-192 encased in nylon ribbon.

(7) A licensee in possession of a sealed source or brachytherapy source shall conduct a quarterly physical inventory of all sources in its possession. The licensee shall retain inventory records for five years. The inventory records shall contain the model number of each source, and serial number if one has been assigned, the identity of each source radionuclide and its nominal activity, the location of each source, and the signature of the Radiation Safety Officer.

(8) A licensee in possession of a sealed source or brachytherapy source shall measure the ambient dose rates quarterly in all areas where sources are stored. This does not apply to teletherapy sources in teletherapy units or sealed sources in diagnostic devices.

(9) A licensee shall retain a record of each survey required in R313-32-59(8) for three years. The record shall include the date of the survey, a plan of each area that was surveyed, the measured dose rate at several points in each area expressed in microsieverts or millirem per hour, the survey instrument used, and the signature of the Radiation Safety Officer.

R313-32-60. Syringe Shields and Labels.

(1) A licensee shall keep syringes that contain radioactive material to be administered in a radiation shield.

(2) To identify its contents, a licensee shall conspicuously label each syringe or syringe radiation shield that contains a syringe with a radiopharmaceutical. The label shall show the radiopharmaceutical name or its abbreviation, the clinical procedure to be performed, or the patient's or the human research subject's name.

(3) A licensee shall require each individual who prepares a radiopharmaceutical kit to use a syringe radiation shield when preparing the kit and shall require each individual to use a syringe radiation shield when administering a radiopharmaceutical by injection unless the use of the shield is contraindicated for that patient or human research subject.

R313-32-61. Vial Shields and Labels.

(1) A licensee shall require each individual preparing or handling a vial that contains a radiopharmaceutical to keep the vial in a vial radiation shield.

(2) To identify its contents, a licensee shall conspicuously label each vial radiation shield that contains a vial of a radiopharmaceutical. The label shall show the radiopharmaceutical name or its abbreviation.

R313-32-70. Surveys for Contamination and Ambient Radiation Exposure Rate.

(1) A licensee shall survey with a radiation detection survey instrument at the end of each day of use all areas where radiopharmaceuticals are routinely prepared for use or administered.

(2) A licensee shall survey with a radiation detection survey instrument at least once each week all areas where radiopharmaceuticals or radiopharmaceutical waste is stored.

(3) A licensee shall conduct the surveys required by R313-32-70(1) and (2) so as to be able to detect dose rates as low as one uSv (0.1 mrem) per hour.

(4) A licensee shall establish radiation dose rate trigger levels for the surveys required by R313-32-70(1) and (2). A licensee shall require that the individual performing the survey immediately notify the Radiation Safety Officer if a dose rate exceeds a trigger level.

(5) A licensee shall survey for removable contamination once each week all areas where radiopharmaceuticals are routinely prepared for use, administered, or stored.

(6) A licensee shall conduct the survey required by R313-32-70(5) so as to be able to detect contamination on each wipe sample of 2200 disintegrations per minute, (0.001 uCi or 37 Bq).

(7) A licensee shall establish removable contamination trigger levels for the surveys required by R313-32-70(5). A licensee shall require that the individual performing the survey immediately notify the Radiation Safety Officer if contamination exceeds the trigger level.

(8) A licensee shall retain a record of each survey for three years. The record shall include the date of the survey, a plan of each area surveyed, the trigger level established for each area, the detected dose rate at several points in each area expressed in microsieverts or millirem per hour or the removable contamination in each area expressed in disintegrations per minute (becquerels or curies) per 100 square centimeters, the instrument used to make the survey or analyze the samples, and the initials of the individual who performed the survey.

R313-32-75. Release of Individuals Containing Radiopharmaceuticals or Permanent Implants.

(1) The licensee may authorize the release from its control of any individual who has been administered radiopharmaceuticals or permanent implants containing radioactive material if the total effective dose equivalent to any other individual from exposure to the released individual is not likely to exceed 5 mSv (0.5 rem).

NOTE: The Nuclear Regulatory Commission Regulatory Guide 8.39, "Release of Patients Administered Radioactive Materials," describes methods for calculating doses to other individuals and contains tables of activities not likely to cause doses exceeding 5 mSv (0.5 rem).

(2) The licensee shall provide the released individual with instructions, including written instructions, on actions recommended to maintain doses to other individuals as low as is reasonably achievable if the total effective dose equivalent to any other individual is likely to exceed 1 mSv (0.1 rem). If the dose to a breast-feeding infant or child could exceed 1 mSv (0.1 rem) assuming there were no interruption of breast-feeding, the instructions shall also include:

(a) guidance on the interruption or discontinuation of breast-feeding, and

(b) information on the consequences of failure to follow the guidance.

(3) The licensee shall maintain a record of the basis for authorizing the release of an individual, for three years after the date of release, if the total effective dose equivalent is calculated by:

(a) using the retained activity rather than the activity administered,

(b) using an occupancy factor less than 0.25 at 1 meter,

(c) using the biological or effective half-life, or

(d) considering the shielding by tissue.

(4) The licensee shall maintain a record, for three years after the date of release, that instructions were provided to a breast-feeding woman if the radiation dose to the infant or child from continued breast-feeding could result in a total effective dose equivalent exceeding 5 mSv (0.5 rem).

R313-32-80. Technical Requirements that Apply to the Providers of Mobile Nuclear Medicine Service.

A licensee providing mobile nuclear medicine service shall:

(1) transport to each address of use only syringes or vials containing prepared radiopharmaceuticals or radiopharmaceuticals that are intended for reconstitution of radiopharmaceutical kits;

(2) bring into each address of use all radioactive material to be used and, before leaving, remove all unused radioactive material and all associated waste;

(3) secure or keep under constant surveillance and immediate control all radioactive material when in transit or at an address of use;

(4) check survey instruments and dose calibrators as described in R313-32-50 and R313-32-51 and check all other transported equipment for proper function before medical use at each address of use;

(5) carry a radiation detection survey meter in each vehicle that is being used to transport radioactive material, and, before leaving a client address of use, survey all radiopharmaceutical areas of use with a radiation detection survey meter to ensure that all radiopharmaceuticals and all associated waste have been removed; and

(6) retain a record of each survey required in R313-32-80(5) for three years. The record shall include the date of the survey, a plan of each area that was surveyed, the measured dose rate at several points in each area of use expressed in microsieverts or millirems per hour, the instrument used to make the survey, and the initials of the individual who performed the survey.

R313-32-90. Storage of Volatiles and Gases.

A licensee shall store volatile radiopharmaceuticals and radioactive gases in the shipper's radiation shield and container. A licensee shall store a multi-dose container in a fume hood after drawing the first dosage from it.

R313-32-92. Decay-In-Storage.

(1) A licensee may hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash and is exempt from the requirements of R313-15-1001 if it:

(a) holds radioactive material for decay a minimum of ten half-lives;

(b) monitors radioactive material at the container surface before disposal as ordinary trash and determines that its radioactivity cannot be distinguished from the background radiation level with a radiation detection survey meter set on its most sensitive scale and with no interposed shielding;

(c) removes or obliterates all radiation labels; and

(d) separates and monitors each generator column individually with radiation shielding removed to ensure that it has decayed to background radiation level before disposal.

(2) A licensee shall retain a record of each disposal permitted under R313-32-92(1) for three years. The record

shall include the date of the disposal, the date on which the radioactive material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

R313-32-100. Use of Unsealed Radioactive Material for Uptake, Dilution, and Excretion Studies.

A licensee may use for uptake, dilution, or excretion studies any unsealed radioactive material prepared for medical use that is either:

(1) obtained from a manufacturer or preparer licensed pursuant to R313-22-75(9) or equivalent requirements of the Nuclear Regulatory Commission or an Agreement State; or

(2) prepared by an authorized nuclear pharmacist, a physician who is an authorized user and who meets the requirements specified in R313-32-920, or an individual under the supervision of either as specified in R313-32-25.

R313-32-120. Possession of Survey Instrument.

A licensee authorized to use radioactive material for uptake, dilution, and excretion studies shall have in its possession a portable radiation detection survey instrument capable of detecting dose rates over the range one uSv (0.1 mrem) per hour to one mSv (100 mrem) per hour.

R313-32-200. Use of Unsealed Radioactive Material for Imaging and Localization Studies.

A licensee may use for imaging and localization studies any unsealed radioactive material prepared for medical use that is either:

(1) obtained from a manufacturer or preparer licensed pursuant to R313-22-75(9) or equivalent requirements of the Nuclear Regulatory Commission or an Agreement State; or

(2) prepared by an authorized nuclear pharmacist, a physician who is an authorized user and who meets the requirements specified in R313-32-920, or an individual under the supervision of either as specified in R313-32-25.

R313-32-204. Permissible Molybdenum-99 Concentration.

(1) A licensee shall not administer to humans a radiopharmaceutical containing more than 5.55 kBq (0.15 uCi) of molybdenum-99 per 37.0 MBq (one mCi) of technetium-99m.

(2) A licensee that uses molybdenum-99/technetium-99m generators for preparing a technetium-99m radiopharmaceutical shall measure the molybdenum-99 concentration in each elute or extract.

(3) A licensee that is required to measure molybdenum concentration shall retain a record of each measurement for three years. The record shall include, for each elution or extraction of technetium-99m, the measured activity of the technetium expressed in megabecquerels or millicuries, the measured activity of the molybdenum expressed in kilobecquerels or microcuries, the ratio of the measures expressed as kilobecquerels or microcuries of molybdenum per megabecquerels or millicuries of technetium, the time and date of the measurement, and the initials of the individual who made the measurement.

R313-32-205. Control of Aerosols and Gases.

(1) A licensee that administers radioactive aerosols or gases shall do so in a room with a system that will keep airborne concentrations within the limits prescribed in R313-15-201(4) and R313-15-301. The system shall either be directly vented to the atmosphere through an air exhaust or provide for collection and decay or disposal of the aerosol or gas in a shielded container.

(2) A licensee shall administer radioactive gases in rooms that are at negative pressure compared to surrounding rooms.

(3) Before receiving, using, or storing a radioactive gas, the licensee shall calculate the amount of time needed after a spill to reduce the concentration in the room to the occupational limit as specified in R313-15-201. The calculation shall be based on the highest activity of gas handled in a single container, the air volume of the room, and the measured available air exhaust rate.

(4) A licensee shall make a record of the calculations required in R313-32-205(3) that includes the assumptions, measurements, and calculations made and shall retain the record for the duration of use of the area. A licensee shall also post the calculated time and safety measures to be instituted in case of a spill at the area of use.

(5) A licensee shall check the operation of reusable collection systems each month, and measure the ventilation rates available in areas of radioactive gas use each six months. Records of the measurement shall be kept for three years.

R313-32-220. Possession of Survey Instruments.

A licensee authorized to use radioactive material for imaging and localization studies shall have in its possession a portable radiation detection survey instrument capable of detecting dose rates over the range of one uSv (0.1 mrem) per hour to one mSv (100 mrem) per hour, and a portable radiation measurement survey instrument capable of measuring dose rates over the range ten uSv (one mrem) per hour to ten mSv (1000 mrem) per hour.

R313-32-300. Use of Unsealed Radioactive Material for Therapeutic Administration.

A licensee may use for therapeutic administration any unsealed radioactive material prepared for medical use that is either:

(1) obtained from a manufacturer or preparer licensed pursuant to R313-22-75(9) or equivalent requirements of the Nuclear Regulatory Commission or an Agreement State; or

(2) prepared by an authorized nuclear pharmacist, a physician who is an authorized user and who meets the requirements specified in R313-32-920, or an individual under the supervision of either as specified in R313-32-25.

R313-32-310. Safety Instruction.

(1) A licensee shall provide radiation safety instruction for all personnel caring for the patient or the human research subject receiving radiopharmaceutical therapy and hospitalized for compliance with R313-32-75. To satisfy this requirement, the instruction shall describe the licensee's procedures for:

(a) patient or human research subject control;

(b) visitor control;

(c) contamination control;

(d) waste control; and

(e) notification of the Radiation Safety Officer in case of the patient's or the human research subjects's death or medical emergency.

(2) A licensee shall keep for three years a list of individuals receiving instruction required by R313-32-310(1), a description of the instruction, the date of instruction, and the name of the individual who gave the instruction.

R313-32-315. Safety Precautions.

(1) For each patient or human research subject receiving radiopharmaceutical therapy and hospitalized for compliance with R313-32-75, a licensee shall:

(a) provide a private room with a private sanitary facility;

(b) post the patient's or the human research subject's door with a "Radioactive Materials" sign and note on the door or in the patient's or the human research subject's chart where and how long visitors may stay in the patient's or the human research subject's room;

(c) authorize visits by individuals under age 18 only on a case-by-case basis with the approval of the authorized user after consultation with the Radiation Safety Officer;

(d) promptly after administration of the dosage, measure the dose rates in contiguous restricted and unrestricted areas with a radiation measurement survey instrument to demonstrate compliance with the requirements of R313-15, and retain for three years a record of each survey that includes the time and date of the survey, a plan of the area or list of points surveyed, the measured dose rate at several points expressed in microsieverts or millirem per hour, the instrument used to make the survey, and the initials of the individual who made the survey;

(e) either monitor material and items removed from the patient's or the human research subject's room to determine that their radioactivity cannot be distinguished from the natural background radiation level with a radiation detection survey instrument set on its most sensitive scale and with no interposed shielding, or handle them as radioactive waste;

(f) survey the patient's or the human research subject's room and private sanitary facility for removable contamination with a radiation detection survey instrument before assigning another patient or human research subject to the room. The room shall not be reassigned until removable contamination is less than 200 disintegrations per minute per 100 square centimeters; and

(g) measure the thyroid burden of each individual who helped prepare or administer a dosage of iodine-131 within three days after administering the dosage, and retain for the period required by R313-15-1107 a record of each thyroid burden measurement, its date, the name of the individual whose thyroid burden was measured, and the initials of the individual who made the measurements.

(2) A licensee shall notify the Radiation Safety Officer immediately if the patient or the human research subject dies or has a medical emergency.

R313-32-320. Possession of Survey Instruments.

A licensee authorized to use radioactive material for radiopharmaceutical therapy shall have in its possession a portable radiation detection survey instrument capable of detecting dose rates over the range one uSv (0.1 mrem) per hour to one mSv (100 mrem) per hour, and a portable radiation measurement survey instrument capable of measuring dose rates over the range ten uSv (one mrem) per hour to ten mSv (1000 mrem) per hour.

R313-32-400. Use of Sources for Brachytherapy.

A licensee shall use the following sources in accordance with the manufacturer's radiation safety and handling instructions:

(1) Cesium-137 as a sealed source in needles and applicator cells for topical, interstitial, and intracavitary treatment of cancer;

(2) Cobalt-60 as a sealed source in needles and applicator cells for topical, interstitial, and intracavitary treatment of cancer;

(3) Gold-198 as a sealed source in seeds for interstitial treatment of cancer;

(4) Iridium-192 as seeds encased in nylon ribbon for interstitial and intracavitary treatment of cancer and as seeds for topical treatment of cancer;

(5) Strontium-90 as a sealed source in an applicator for treatment of superficial eye conditions;

(6) Iodine-125 as a sealed source in seeds for topical, interstitial and intracavitary treatment of cancer;

(7) Palladium-103 as a sealed source in seeds for interstitial treatment of cancer.

R313-32-404. Release of Patients or Human Research Subjects Treated With Temporary Implants.

(1) Immediately after removing the last temporary implant source from a patient or a human research subject, the licensee shall make a radiation survey of the patient or the human research subject with a radiation detection survey instrument to confirm that all sources have been removed. The licensee shall not release from confinement for medical care a patient or a human research subject treated by temporary implant until all sources have been removed.

(2) A licensee shall retain a record of patient or human research subject surveys for three years. Each record shall include the date of the survey, the name of the patient or the human research subject, the dose rate from the patient or the human research subject expressed as microsieverts per hour or millirem per hour and measured at one meter from the patient or the human research subject, the survey instrument used, and the initials of the individual who made the survey.

R313-32-406. Brachytherapy Sources Inventory.

(1) Promptly after removing them from a patient or a human research subject, a licensee shall return brachytherapy sources to the storage area, and count the number returned to ensure that all sources taken from the storage area have been returned.

(2) A licensee shall make a record of brachytherapy source use which shall include:

(a) the names of the individuals permitted to handle the sources;

(b) the number and activity of sources removed from storage, the patient's or the human research subject's name and room number, the time and date they were removed from storage, the number and activity of the sources in storage after the removal, and the initials of the individual who removed the sources from storage; and

(c) the number and activity of sources returned to storage, the patient's or the human research subject's name and room number, the time and date they were returned to storage, the number and activity of sources in storage after the return, and the initials of the individual who returned the sources to storage.

(3) Immediately after implanting sources in a patient or a human research subject the licensee shall make a radiation survey of the patient or the human research subject and the area of use to confirm that no sources have been misplaced. The licensee shall make a record of each survey.

(4) A licensee shall retain the records required in R313-32-406(2) and (3) for three years.

R313-32-410. Safety Instruction.

(1) The licensee shall provide radiation safety instruction to all personnel caring for the patient or the human research subject undergoing implant therapy. To satisfy this requirement, the instruction shall describe:

(a) size and appearance of the brachytherapy sources;

(b) safe handling and shielding instructions in case of a dislodged source;

(c) procedures for patient or human research subject control;

(d) procedures for visitor control; and

(e) procedures for notification of the Radiation Safety Officer if the patient or the human research subject dies or has a medical emergency.

(2) A licensee shall retain for three years a record of individuals receiving instruction required by R313-32-410(1), a description of the instruction, the date of instruction, and the name of the individual who gave the instruction.

R313-32-415. Safety Precautions.

(1) For each patient or human research subject receiving implant therapy and not released from licensee control pursuant to R313-32-75, a licensee shall:

(a) not quarter the patient or the human research subject in the same room with an individual who is not receiving radiation therapy;

(b) post the patient's or human research subject's door with a "Radioactive Materials" sign and note on the door or in the patient's or human research subject's chart where and how long visitors may stay in the patient's or human research subject's room;

(c) authorize visits by individuals under age 18 only on a case-by-case basis with the approval of the authorized user after consultation with the Radiation Safety Officer;

(d) promptly after implanting the material, survey the dose rates in contiguous restricted and unrestricted areas with a radiation measurement survey instrument to demonstrate compliance with the requirements of R313-15, and retain for three years a record of each survey that includes the time and date of the survey, a plan of the area or list of points surveyed, the measured dose rate at several points expressed in microsieverts or millirem per hour, the instrument used to make the survey, and the initials of the individual who made the survey; and

(e) provide the patient or the human research subject with radiation safety guidance that will help to keep radiation dose to household members and the public as low as reasonably achievable before releasing the individual if the individual was administered a permanent implant.

(2) A licensee shall notify the Radiation Safety Officer immediately if the patient or the human research subject dies or has a medical emergency.

R313-32-420. Possession of Survey Instrument.

A licensee authorized to use radioactive material for implant therapy shall have in its possession a portable radiation detection survey instrument capable of detecting dose rates over the range one uSv (0.1 mrem) per hour to one mSv (100 mrem) per hour, and a portable radiation measurement survey instrument capable of measuring dose rates over the range ten uSv (one mrem) per hour to ten mSv (1000 mrem) per hour.

R313-32-500. Use of Sealed Sources for Diagnosis.

A licensee shall use the following sealed sources in accordance with the manufacturer's radiation safety and handling instructions:

(1) iodine-125, americium-241, or gadolinium-153 as a sealed source in a device for bone mineral analysis; and

(2) iodine-125 as a sealed source in a portable imaging device.

R313-32-520. Availability of Survey Instrument.

A licensee authorized to use radioactive material as a sealed source for diagnostic purposes shall have available for use a portable radiation detection survey instrument capable of detecting dose rates over the range one uSv (0.1 mrem) per hour to one mSv per hour to (100 mrem) per hour or a portable radiation measurement survey instrument capable of measuring dose rates over the range ten uSv (one mrem) per hour to ten mSv (1000 mrem) per hour. The instrument shall be calibrated in accordance with R313-32-51.

R313-32-600. Use of a Sealed Source in a Teletherapy Unit.

The rules and provisions of R313-32-600 through R313-32-647 govern the use of teletherapy units for medical use that contain a sealed source of cobalt-60 or cesium-137.

R313-32-605. Maintenance and Repair Restrictions.

Only a person specifically licensed by the Executive Secretary, the Nuclear Regulatory Commission, or an Agreement State to perform teletherapy unit maintenance and repair shall:

(1) install, relocate, or remove a teletherapy sealed source or a teletherapy unit that contains a sealed source; or

(2) maintain, adjust, or repair the source drawer, the shutter or other mechanism of a teletherapy unit that could expose the source, reduce the shielding around the source, or result in increased radiation levels.

R313-32-606. License Amendments.

In addition to the changes specified in R313-32-13, a licensee shall apply for and shall receive a license amendment before:

(1) making any change in the treatment room shielding;

(2) making any change in the location of the teletherapy unit within the treatment room;

(3) using the teletherapy unit in a manner that could result in increased radiation levels in areas outside the teletherapy treatment room;

(4) relocating the teletherapy unit; or

(5) allowing an individual not listed on the licensee's license to perform the duties of the teletherapy physicist.

R313-32-610. Safety Instruction.

(1) A licensee shall post instructions at the teletherapy unit console. To satisfy this requirement, these instructions shall inform the operator of:

(a) the procedure to be followed to ensure that only the patient or the human research subject is in the treatment room before turning the primary beam of radiation on to begin a treatment or after a door interlock interruption; and

(b) the procedure to be followed if:

(i) the operator is unable to turn the primary beam of radiation off with controls outside the treatment room or any other abnormal operation occurs; and

(ii) the names and telephone numbers of the authorized users and Radiation Safety Officer to be immediately contacted if the teletherapy unit or console operates abnormally.

(2) A licensee shall provide instruction in the topics identified in R313-32-610(1) to individuals who operate a teletherapy unit.

(3) A licensee shall retain for three years a record of individuals receiving instruction required by R313-32-610(2), a description of the instruction, the date of instruction, and the name of the individual who gave the instruction.

R313-32-615. Safety Precautions.

(1) A licensee shall control access to the teletherapy room by a door at each entrance.

(2) A licensee shall equip each entrance to the teletherapy room with an electrical interlock system that will:

(a) prevent the operator from turning the primary beam of radiation on unless each treatment room entrance door is closed;

(b) turn the primary beam of radiation off immediately when an entrance door is opened; and

(c) prevent the primary beam of radiation from being turned on following an interlock interruption until all treatment room entrance doors are closed and the beam on-off control is reset at the console.

(3) A licensee shall equip each entrance to the teletherapy room with a beam condition indicator light.

(4) A licensee shall install in each teletherapy room a permanent radiation monitor capable of continuously monitoring beam status.

(a) A radiation monitor shall provide visible notice of a teletherapy unit malfunction that results in an exposed or partially exposed source, and shall be observable by an individual entering the teletherapy room.

(b) A radiation monitor shall be equipped with a backup power supply separate from the power supply to the teletherapy unit. This backup power supply may be a battery system.

(c) A radiation monitor shall be checked with a dedicated check source for proper operation each day before the teletherapy unit is used for treatment of patients or human research subjects.

(d) A licensee shall maintain a record of the check required by R313-32-615(4)(c) for three years. The record shall include the date of the check, notation that the monitor indicates when its detector is and is not exposed, and the initials of the individual who performed the check.

(e) If a radiation monitor is inoperable, the licensee shall require individuals entering the teletherapy room to use a survey instrument or audible alarm personal dosimeter to monitor for malfunction of the source exposure mechanism that may result in an exposed or partially exposed source. The instrument or dosimeter shall be checked with a dedicated check source for proper operation at the beginning of each day of use. The licensee shall keep a record as described in R313-32-615(4)(d).

(f) A licensee shall promptly repair or replace the radiation monitor if it is inoperable.

(5) A licensee shall construct or equip each teletherapy room to permit continuous observation of the patient or the human research subject from the teletherapy unit console during irradiation.

R313-32-620. Possession of Survey Instrument.

A licensee authorized to use radioactive material in a teletherapy unit shall have in its possession either a portable radiation detection survey instrument capable of detecting dose rates over the range one uSv (0.1 mrem) per hour to one mSv (100 mrem) per hour or a portable radiation measurement survey instrument capable of measuring dose rates over the range ten uSv (one mrem) per hour to ten mSv (1000 mrem) per hour.

R313-32-630. Dosimetry Equipment.

(1) A licensee shall have a calibrated dosimetry system available for use. To satisfy this requirement, one of the following two conditions shall be met:

(a) The system shall be calibrated by the National Institute of Standards and Technology or by a calibration laboratory accredited by the American Association of Physicists in Medicine (AAPM). The calibration shall have been performed within the previous two years and after any servicing that may have affected system calibration.

(b) The system shall have been calibrated within the previous four years; eighteen to thirty months after that calibration, the system shall have been intercompared at an intercomparison meeting with another dosimetry system that was calibrated within the past twenty-four months by the National Bureau of Standards or by a calibration laboratory accredited by the AAPM. The intercomparison meeting shall be sanctioned by a calibration laboratory or radiologic physics center accredited by the AAPM. The results of the intercomparison meeting shall have indicated that the calibration factor of the licensee's system had not changed by more than two percent. The licensee shall not use the

intercomparison result to change the calibration factor. When intercomparing dosimetry systems to be used for calibrating cobalt-60 teletherapy units, the licensee shall use a teletherapy unit with a cobalt-60 source. When intercomparing dosimetry systems to be used for calibrating cesium-137 teletherapy units, the licensee shall use a teletherapy unit with a cesium-137 source.

(2) The licensee shall have available for use a dosimetry system for spot-check measurements. To satisfy this requirement, the system may be compared with a system that has been calibrated in accordance with R313-32-630(1). This comparison shall have been performed within the previous year and after each servicing that may have affected system calibration. The spot-check system may be the same system used to meet the requirement in R313-32-630(1).

(3) The licensee shall retain a record of each calibration, intercomparison, and comparison for the duration of the license. For each calibration, intercomparison, or comparison, the record shall include the date, the model numbers and serial numbers of the instruments that were calibrated, intercompared, or compared as required by R313-32-630(1) and (2), the correction factor that was determined from the calibration or comparison or the apparent correction factor that was determined from an intercomparison, the names of the individuals who performed the calibration, intercomparison, or comparison, and evidence that the intercomparison meeting was sanctioned by a calibration laboratory or radiologic physics center accredited by AAPM.

R313-32-632. Full Calibration Measurements.

(1) A licensee authorized to use a teletherapy unit for medical use shall perform full calibration measurements on each teletherapy unit:

(a) before the first medical use of the unit; and

(b) before medical use under the following conditions:

(i) whenever spot-check measurements indicate that the output differs by more than five percent from the output obtained at the last full calibration corrected mathematically for radioactive decay;

(ii) following replacement of the source or following reinstallation of the teletherapy unit in a new location; or

(iii) following any repair of the teletherapy unit that includes removal of the source or major repair of the components associated with the source exposure assembly; and

(c) at intervals not exceeding one year.

(2) To satisfy the requirement of R313-32-632(1), full calibration measurements shall include determination of:

(a) the output within plus or minus three percent for the range of field sizes and for the distance or range of distances used for medical use;

(b) the coincidence of the radiation field and the field indicated by the light beam localizing device;

(c) the uniformity of the radiation field and its dependence on the orientation of the useful beam;

(d) timer constancy and linearity over the range of use;

(e) on-off error; and

(f) the accuracy of all distance measuring and localization devices in medical use.

(3) A licensee shall use the dosimetry system described in R313-32-630(1) to measure the output for one set of exposure conditions. The remaining radiation measurements required in R313-32-632(2)(a) may be made using a dosimetry system that indicates relative dose rates.

(4) A licensee shall make full calibration measurements required by R313-32-632(1) in accordance with either the procedures recommended by the Scientific Committee on Radiation Dosimetry of the American Association of Physicists in Medicine that are described in Physics in Medicine and Biology Vol. 16, No. 3, 1971, pp. 379-396, or by Task Group 21 of the Radiation Therapy Committee of the American Association of Physicists in Medicine that are described in Medical Physics Vol. 10, No. 6, 1983, pp. 741-711, and Vol. 11, No. 2, 1984, p. 213.

(5) A licensee shall correct mathematically the outputs determined in R313-32-632(2)(a) for physical decay for intervals not exceeding one month for cobalt-60 or six months for cesium-137.

(6) Full calibration measurement required in R313-32-632(1) and physical decay corrections required by R313-32-632(5) shall be performed by the licensee teletherapy physicist.

(7) A licensee shall retain a record of each calibration for the duration of the teletherapy unit source. The record shall include the date of the calibration, the manufacturer's name, model number, and serial number for both the teletherapy unit and the source, the model numbers and serial numbers of the instruments used to calibrate the teletherapy unit, tables that describe the output of the unit over the range of field sizes and for the range of distances used in radiation therapy, a determination of the coincidence of the radiation field and the field indicated by the light beam localizing device, an assessment of timer linearity and constancy, the calculated on-off error, the estimated accuracy of each distance measuring or localization device, and the signature of the teletherapy physicist.

R313-32-634. Periodic Spot-Checks.

(1) A licensee authorized to use teletherapy units for medical use shall perform output spot-checks on each teletherapy unit once in each calendar month that include determination of:

(a) timer constancy, and timer linearity over the range of use;

(b) on-off error;

(c) the coincidence of the radiation field and the field indicated by the light beam localizing device;

(d) the accuracy of all distance measuring and localization devices used for medical use;

(e) the output for one typical set of operating conditions measured with the dosimetry system described in R313-32-630(2); and

(f) the difference between the measurement made in R313-32-634(2)(e) and the anticipated output, expressed as a percentage of the anticipated output (the value obtained at last full calibration corrected mathematically for physical decay).

(2) A licensee shall perform measurements required by R313-32-634(1) in accordance with procedures established by the teletherapy physicist. That individual need not actually perform the spot-check measurements.

(3) A licensee shall have the teletherapy physicist review the results of each spot-check within 15 days. The teletherapy physicist shall promptly notify the licensee in writing of the results of each spot-check. The licensee shall keep a copy of each written notification for three years.

(4) A licensee authorized to use a teletherapy unit for medical use shall perform safety spot-checks for each teletherapy facility once in each calendar month that assure proper operation of:

(a) electrical interlocks at each teletherapy room entrance;

(b) electrical or mechanical stops installed for the purpose of limiting use of the primary beam of radiation (restriction of source housing angulation or elevation, carriage or stand travel and operation of the beam on-off mechanism);

(c) beam condition indicator lights on the teletherapy unit, on the control console, and in the facility;

(d) viewing systems;

(e) treatment room doors from inside and outside the treatment room; and

(f) electrically assisted treatment room doors with the teletherapy unit electrical power turned off.

(5) A licensee shall arrange for prompt repair of any system identified in R313-32-634(4) that is not operating properly, and shall not use the teletherapy unit following door interlock malfunction until the interlock system has been repaired.

(6) A licensee shall retain a record of each spot-check required by R313-32-634(1) and (4) for three years. The record shall include the date of the spot-check, the manufacturer's name, model number, and serial number for both the teletherapy unit and source, the manufacturer's name, model number and serial number of the instrument used to measure the output of the teletherapy unit, an assessment of linearity and constancy, the calculated on-off error, a determination of the coincidence of the radiation field and the field indicated by the light beam localizing device, the calculated on-off error, the determined accuracy of each distance measuring or localization device, the difference between the anticipated output and the measured output, notations indicating the operability of each entrance door electrical interlock, each electrical or mechanical stop, each beam condition indicator light, the viewing system and doors, and the signature of the individual who performed the periodic spot-check.

R313-32-636. Safety Checks for Teletherapy Facilities.

(1) A licensee shall promptly check all systems listed in R313-32-634(4) for proper function after each installation of a teletherapy source and after making any change for which an amendment is required by R313-32-606(1) through (4).

(2) If the results of the checks required in R313-32-636(1) indicate the malfunction of a system specified in R313-32-634(4), the licensee shall lock the control console in the off position and not use the unit except as may be necessary to repair, replace, or check the malfunctioning system.

(3) A licensee shall retain for three years a record of the facility checks following installation of a source. The record shall include notations indicating the operability of each entrance door interlock, each electrical or mechanical stop, each beam condition indicator light, the viewing system, and doors, and the signature of the Radiation Safety Officer.

R313-32-641. Radiation Surveys for Teletherapy Facilities.

(1) Before medical use, after each installation of a teletherapy source, and after making any change for which an amendment is required by R313-32-606(1) through (4), the licensee shall perform radiation surveys with a portable radiation measurement survey instrument calibrated in accordance with R313-32-51 to verify that:

(a) the maximum and average dose rates at one meter from the teletherapy source with the source in the off position and the collimators set for a normal treatment field do not exceed 100 uSv (ten mrem) per hour and 20 uSv (two mrem) per hour, respectively;

(b) with the teletherapy source in the on position with the largest clinically available treatment field and with a scattering phantom in the primary beam of the radiation, that:

(i) radiation dose rates in restricted areas are not likely to cause any occupationally exposed individual to receive a dose in excess of the limits specified in R313-15-201; and

(ii) radiation dose rates in controlled or unrestricted areas are not likely to cause any individual member of the public to receive a dose in excess of the limits specified in R313-15-301.

(2) If the results of the surveys required in R313-32-641(1) indicate any radiation dose quantity per unit time in excess of the respective limit specified in R313-32-641(1), the licensee shall lock the control in the off position and not use the unit:

(a) except as may be necessary to repair, replace, or test the teletherapy unit shielding or the treatment room shielding; or

(b) until the licensee has received a specific exemption pursuant to R313-12-54.

(3) A licensee shall retain a record of the radiation measurements made following installation of a source for the duration of the license. The record shall include the date of the measurements, the reason the survey is required, the manufacturer's name, model number and serial number of the teletherapy unit, the source, the instrument used to measure radiation levels, each dose rate measured around the teletherapy source while in the off position and the average of all measurements, a plan of the areas surrounding the treatment room that were surveyed, the measured dose rate at several points in each area expressed in microseverts or millirem per hour, the calculated maximum quantity of radiation over a period of one week for each restricted and unrestricted area, and the signature of the Radiation Safety Officer.

R313-32-643. Modification of Teletherapy Unit or Room Before Beginning a Treatment Program.

(1) If the survey required by R313-32-641 indicates that an individual member of the public is likely to receive a dose in excess of the limits specified in R313-15-301, the licensee shall, before beginning the treatment program:

(a) either equip the unit with stops or add additional radiation shielding to ensure compliance with R313-15-301(3);

(b) perform the survey required by R313-32-641 again; and

(c) include in the report required by R313-32-645 the

results of the initial survey, a description of the modification made to comply with R313-32-643(1)(a), and the results of the second survey.

(2) As an alternative to the requirements set out in R313-32-643(1), a licensee may request a license amendment under R313-15-301(3) that authorizes radiation levels in unrestricted areas greater than those permitted by R313-15-301(1). A licensee shall not begin the treatment program until the license amendment has been issued.

R313-32-645. Reports of Teletherapy Surveys, Checks, Tests and Measurements.

A licensee shall mail a copy of the records required in R313-32-636, R313-32-641, R313-32-643, and the output from the teletherapy source expressed as coulombs/kilogram (roentgens) or gray (rad) per hour at one meter from the source and determined during the full calibration required in R313-32-632 to the Executive Secretary within thirty days following completion of the action that initiated the record requirement.

R313-32-647. Five-Year Inspection.

(1) A licensee shall have each teletherapy unit fully inspected and serviced during teletherapy source replacement or at intervals not to exceed five years, whichever comes first, to assure proper functioning of the source exposure mechanism.

(2) This inspection and servicing shall only be performed by persons specifically licensed to do so by the Executive Secretary, the Nuclear Regulatory Commission, or an Agreement State.

(3) A licensee shall keep a record of the inspection and servicing for the duration of the license. The record shall contain the inspector's name, the inspector's license number, the date of inspection, the manufacturer's name and model number and serial number for both the teletherapy unit and source, a list of components inspected, a list of components serviced and the type of service, a list of components replaced, and the signature of the inspector.

R313-32-900. Radiation Safety Officer.

Except as provided in R313-32-901, the licensee shall require an individual fulfilling the responsibilities of the Radiation Safety Officer as provided in R313-32-21 to be an individual who:

(1) is certified by:

(a) American Board of Health Physics in comprehensive health physics;

(b) American Board of Radiology;

(c) American Board of Nuclear Medicine;

(d) American Board of Science in nuclear medicine;

(e) Board of Pharmaceutical Specialties in nuclear pharmacy;

(f) American Board of Medical Physics in radiation oncology physics;

(g) Royal College of Physicians and Surgeons of Canada in nuclear medicine;

(h) American Osteopathic Board of Radiology; or

(i) American Osteopathic Board of Nuclear Medicine; or

(2) has had classroom and laboratory training and experience as follows:

(a) 200 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity;

(iv) radiation biology; and

(v) radiopharmaceutical chemistry; and

(b) one year of full time experience as a radiation safety technologist at a medical institution under the supervision of the individual identified as the Radiation Safety Officer on a license issued by the Executive Secretary, Nuclear Regulatory Commission or Agreement State license that authorizes the medical use of radioactive material; or

(3) be an authorized user identified on the licensee's license.

R313-32-901. Training for Experienced Radiation Safety Officer.

An individual identified as a Radiation Safety Officer on a license issued by the Executive Secretary, Nuclear Regulatory Commission or Agreement State before January 1, 1989, need not comply with the training requirements of R313-32-900.

R313-32-910. Training for Uptake, Dilution, and Excretion Studies.

Except as provided in R313-32-970 and R313-32-971, the licensee shall require the authorized user of a radiopharmaceutical in R313-32-100(1) to be a physician who:

(1) is certified in:

(a) nuclear medicine by the American Board of Nuclear Medicine;

(b) diagnostic radiology by the American Board of Radiology;

(c) diagnostic radiology or radiology by the American Osteopathic Board of Radiology;

(d) nuclear medicine by the Royal College of Physicians and Surgeons of Canada; or

(e) American Osteopathic Board of Nuclear Medicine in nuclear medicine; or

(2) has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of prepared radiopharmaceuticals, and supervised clinical experience as follows:

(a) 40 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity;

(iv) radiation biology; and

(v) radiopharmaceutical chemistry; and

(b) 20 hours of supervised clinical experience under the supervision of an authorized user and that includes:

(i) examining patients or human research subjects and reviewing their case histories to determine their suitability for radioisotope diagnosis, limitations, or contraindications;

(ii) selecting the suitable radiopharmaceuticals and calculating and measuring the dosages;

(iii) administering dosages to patients or human research subjects and using syringe radiation shields;

(iv) collaborating with the authorized user in the interpretation of radionuclide test results; and

(v) patient or human research subject follow-up; or

(3) has successfully completed a six-month training program in nuclear medicine as part of a training program that has been approved by the Accreditation Council for Graduate Medical Education and that included classroom and laboratory training, work experience, and supervised clinical experience in the topics identified in R313-32-910(2).

R313-32-920. Training for Imaging and Localization Studies.

Except as provided in R313-32-970 or R313-32-971, the licensee shall require the authorized user of a radiopharmaceutical, generator, or reagent kit in R313-32-200(1) to be a physician who:

(1) is certified in:

(a) nuclear medicine by the American Board of Nuclear Medicine;

(b) diagnostic radiology by the American Board of Radiology;

(c) diagnostic radiology or radiology by the American Osteopathic Board of Radiology;

(d) nuclear medicine by the Royal College of Physicians and Surgeons of Canada; or

(e) American Osteopathic Board of Nuclear Medicine in nuclear medicine; or

(2) has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of prepared radiopharmaceuticals, generators, and reagent kits, supervised work experience, and supervised clinical experience as follows:

(a) 200 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity;

(iv) radiopharmaceutical chemistry; and

(v) radiation biology; and

(b) 500 hours of supervised work experience under the supervision of an authorized user that includes:

(i) ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys;

(ii) calibrating dose calibrators and diagnostic instruments and performing checks for proper operation of survey meters;

(iii) calculating and safely preparing patient or human research subject dosages;

(iv) using administrative controls to prevent the misadministration of radioactive material;

(v) using procedures to contain spilled radioactive material safely and using proper decontamination procedures; and

(vi) eluting technetium-99m from generator systems, measuring and testing the elute for molybdenum-99 and alumina contamination, and processing the elute with reagent kits to prepare technetium-99m labeled radiopharmaceuticals; and

(c) 500 hours of supervised clinical experience under the supervision of the authorized user that includes:

(i) examining patients or human research subjects and reviewing their case histories to determine their suitability for radioisotope diagnosis, limitations, or contraindications;

(ii) selecting the suitable radiopharmaceuticals and calculating and measuring the dosages;

(iii) administering dosages to patients or human research subjects and using syringe radiation shields;

(iv) collaborating with the authorized user in the interpretation of radioisotope test results; and

(v) patient or human research subject follow-up; or

(3) has successfully completed a six-month training program in nuclear medicine that has been approved by the Accreditation Council for Graduate Medical Education and that included classroom and laboratory training, work experience, and supervised clinical experience in the topics identified in R313-32-920(2).

R313-32-930. Training for Therapeutic Use of Unsealed Radioactive Material.

Except as provided in R313-32-970, the licensee shall require the authorized user of radiopharmaceuticals in R313-32-300 to be a physician who:

(1) is certified by:

(a) the American Board of Nuclear Medicine;

(b) the American Board of Radiology in radiology, therapeutic radiology, or radiation oncology;

(c) nuclear medicine by the Royal College of Physicians and Surgeons of Canada; or

(d) the American Osteopathic Board of Radiology after 1984; or

(2) has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of therapeutic radiopharmaceuticals, and supervised clinical experience as follows:

(a) 80 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity; and

(iv) radiation biology; and

(b) supervised clinical experience under the supervision of an authorized user at a medical institution that includes:

(i) use of iodine-131 for diagnosis of thyroid function and the treatment of hyperthyroidism or cardiac dysfunction in ten individuals; and

(ii) use of iodine-131 for treatment of thyroid carcinoma in three individuals.

R313-32-932. Training for Treatment of Hyperthyroidism.

Except as provided in R313-32-970, the licensee shall require the authorized user of only iodine-131 for the treatment of hyperthyroidism to be a physician with special experience in thyroid disease who has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of iodine-131 for treating hyperthyroidism, and supervised clinical experience as follows:

(1) 80 hours of classroom and laboratory training that

includes:

(a) radiation physics and instrumentation;

(b) radiation protection;

(c) mathematics pertaining to the use and measurement of radioactivity; and

(d) radiation biology; and

(2) Supervised clinical experience under the supervision of an authorized user that includes the use of iodine-131 for diagnosis of thyroid function, and the treatment of hyperthyroidism in ten individuals.

R313-32-934. Training for Treatment of Thyroid Carcinoma.

Except as provided in R313-32-970, the licensee shall require the authorized user of only iodine-131 for the treatment of thyroid carcinoma to be a physician with special experience in thyroid disease who has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of iodine-131 for treating thyroid carcinoma, and supervised clinical experience as follows:

(1) 80 hours of classroom and laboratory training that includes:

(a) radiation physics and instrumentation;

(b) radiation protection;

(c) mathematics pertaining to the use and measurement of radioactivity; and

(d) radiation biology; and

(2) Supervised clinical experience under the supervision of an authorized user that includes the use of iodine-131 for the treatment of thyroid carcinoma in three individuals.

R313-32-940. Training for Use of Brachytherapy Sources.

Except as provided in R313-32-970 the licensee shall require the authorized user of a brachytherapy source listed in R313-32-400 for therapy to be a physician who:

(1) is certified in:

(a) radiology, therapeutic radiology, or radiation oncology by the American Board of Radiology;

(b) radiation oncology by the American Osteopathic Board of Radiology;

(c) radiology, with specialization in radiotherapy, as a British "Fellow of the Faculty of Radiology" or "Fellow of the Royal College of Radiology"; or

(d) therapeutic radiology by the Canadian Royal College of Physicians and Surgeons; or

(2) is in the active practice of therapeutic radiology, has had classroom and laboratory training in radioisotope handling techniques applicable to the therapeutic use of brachytherapy sources, supervised work experience, and supervised clinical experience as follows:

(a) 200 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity; and

(iv) radiation biology;

(b) 500 hours of supervised work experience under the supervision of an authorized user at a medical institution that includes:

(i) ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys;

(ii) checking survey meters for proper operation;

(iii) preparing, implanting, and removing sealed sources;

(iv) maintaining running inventories of material on hand;

(v) using administrative controls to prevent the misadministration of radioactive material; and

(vi) using emergency procedures to control radioactive material; and

(c) three years of supervised clinical experience that includes one year in a formal training program approved by the Residency Review Committee for Radiology of the Accreditation Council for Graduate Medical Education or the Committee on Postdoctoral Training of the American Osteopathic Association, and an additional two years of clinical experience in therapeutic radiology under the supervision of an authorized user at a medical institution that includes:

(i) examining individuals and reviewing their case histories to determine their suitability for brachytherapy treatment, and any limitations or contraindications;

(ii) selecting the proper brachytherapy sources and dose and method of administration;

(iii) calculating the dose; and

(iv) post-administration follow-up and review of case histories in collaboration with the authorized user.

R313-32-941. Training for Ophthalmic Use of Strontium-90.

Except as provided in R313-32-970, the licensee shall require the authorized user of only strontium-90 for ophthalmic radiotherapy to be a physician who is in the active practice of therapeutic radiology or ophthalmology, and has had classroom and laboratory training in basic radioisotope handling techniques applicable to the use of strontium-90 for ophthalmic radiotherapy, and a period of supervised clinical training in ophthalmic radiotherapy as follows:

(1) 24 hours of classroom and laboratory training that includes:

(a) radiation physics and instrumentation;

(b) radiation protection;

(c) mathematics pertaining to the use and measurement of radioactivity; and

(d) radiation biology.

(2) Supervised clinical training in ophthalmic radiotherapy under the supervision of an authorized user at a medical institution that includes the use of strontium-90 for the ophthalmic treatment of five individuals that includes:

(a) examination of each individual to be treated;

(b) calculation of the dose to be administered;

(c) administration of the dose; and

(d) follow-up and review of each individual's case history.

R313-32-950. Training for Use of Sealed Sources for Diagnosis.

Except as provided in R313-32-970, the licensee shall require the authorized user of a sealed source in a device listed in R313-32-500 to be a physician, dentist, or podiatrist who:

(1) is certified in

(a) radiology, diagnostic radiology, therapeutic radiology,

or radiation oncology by the American Board of Radiology;

(b) nuclear medicine by the American Board of Nuclear Medicine;

(c) diagnostic radiology or radiology by the American Osteopathic Board of Radiology; or

(d) nuclear medicine by the Royal College of Physicians and Surgeons of Canada; or

(2) has had eight hours of classroom and laboratory training in basic radioisotope handling techniques specifically applicable to the use of the device that includes:

(a) radiation physics, mathematics pertaining to the use and measurement of radioactivity, and instrumentation;

(b) radiation biology;

(c) radiation protection; and

(d) training in the use of the device for the uses requested.

R313-32-960. Training for Teletherapy.

Except as provided in R313-32-970, the licensee shall require the authorized user of a sealed source listed in R313-32-600 in a teletherapy unit to be a physician who:

(1) is certified in:

(a) radiology, therapeutic radiology, or radiation oncology by the American Board of Radiology;

(b) radiation oncology by the American Osteopathic Board of Radiology;

(c) radiology, with specialization in radiotherapy, as a British "Fellow of the Faculty of Radiology" or "Fellow of the Royal College of Radiology"; or

(d) therapeutic radiology by the Canadian Royal College of Physicians and Surgeons; or

(2) is in the active practice of therapeutic radiology, and has had classroom and laboratory training in basic radioisotope techniques applicable to the use of a sealed source in a teletherapy unit, supervised work experience, and supervised clinical experience as follows:

(a) 200 hours of classroom and laboratory training that includes:

(i) radiation physics and instrumentation;

(ii) radiation protection;

(iii) mathematics pertaining to the use and measurement of radioactivity; and

(iv) radiation biology;

(b) 500 hours of supervised work experience under the supervision of an authorized user at a medical institution that includes:

(i) review of the full calibration measurements and periodic spot checks;

(ii) preparing treatment plans and calculating treatment times;

(iii) using administrative controls to prevent misadministrations;

(iv) implementing emergency procedures to be followed in the event of the abnormal operation of a teletherapy unit or console; and

(v) checking and using survey meters; and

(c) three years of supervised clinical experience that includes one year in a formal training program approved by the Residency Review Committee for Radiology of the Accreditation Council for Graduate Medical Education or the Committee on Postdoctoral Training of the American Osteopathic Association and an additional two years of clinical experience in therapeutic radiology under the supervision of an authorized user at a medical institution that includes:

(i) examining individuals and reviewing their case histories to determine their suitability for teletherapy treatment, and any limitations or contraindications;

(ii) selecting the proper dose and how it is to be administered;

(iii) calculating the teletherapy doses and collaborating with the authorized user in the review of patients' or human research subjects' progress and consideration of the need to modify originally prescribed doses as warranted by patients' or human research subjects' reaction to radiation; and

(iv) post-administration follow-up and review of case histories.

R313-32-961. Training for Teletherapy Physicist.

The licensee shall require the teletherapy physicist to be an individual who:

(1) is certified by the American Board of Radiology in:

(a) therapeutic radiological physics;

(b) roentgen ray and gamma ray physics;

(c) x-ray and radium physics; or

(d) radiological physics; or

(2) is certified by the American Board of Medical Physics in radiation oncology physics; or

(3) holds a master's or doctor's degree in physics, biophysics, radiological physics, or health physics, and has completed one year of full time training in therapeutic radiological physics and an additional year of full time work experience under the supervision of a teletherapy physicist at a medical institution that includes the tasks listed in R313-32-59, R313-32-632, R313-32-634 and R313-32-641.

R313-32-970. Training for Experienced Authorized Users.

Physicians, dentists, or podiatrists identified as authorized users for the medical, dental, or podiatric use of radioactive material on a license issued by the Executive Secretary, Nuclear Regulatory Commission, or Agreement State license issued before January 1, 1989, who perform only those methods of use for which they were authorized on that date need not comply with the training requirements of R313-32-900 to R313-32-961.

R313-32-971. Physician Training in a Three Month Program.

A physician who, before October 1, 1988, began a three month nuclear medicine training program approved by the Accreditation Council for Graduate Medical Education and has successfully completed the program need not comply with the requirements of R313-32-910 or R313-32-920.

R313-32-972. Recentness of Training.

The training and experience specified in R313-32-900 through R313-32-981 shall have been obtained within the seven years preceding the date of application or the individual shall have had related continuing education and experience since the required training and experience was completed.

R313-32-980. Training for an Authorized Nuclear Pharmacist.

The licensee shall require the authorized nuclear pharmacist to be a pharmacist who:

(1) has current board certification as a nuclear pharmacist by the Board of Pharmaceutical Specialties, or

(2)(a) has completed 700 hours in a structured educational program consisting of both:

(i) didactic training in the following areas:

(A) radiation physics and instrumentation;

(B) radiation protection;

(C) mathematics pertaining to the use and measurement of radioactivity;

(D) chemistry of radioactive material for medical use; and

(E) radiation biology; and

(ii) supervised experience in a nuclear pharmacy involving the following:

(A) shipping, receiving, and performing related radiation surveys;

(B) using and performing checks for proper operation of dose calibrators, survey meters, and, if appropriate, instruments used to measure alpha- or beta-emitting radionuclides;

(C) calculating, assaying, and safely preparing dosages for patients or human research subjects;

(D) using administrative controls to avoid mistakes in the administration of radioactive material;

(E) using procedures to prevent or minimize contamination and using proper decontamination procedures; and

(b) has obtained written certification, signed by a preceptor authorized nuclear pharmacist, that the above training has been satisfactorily completed and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy.

R313-32-981. Training for Experienced Nuclear Pharmacists.

A licensee may apply for and must receive a license amendment identifying an experienced nuclear pharmacist as an authorized nuclear pharmacist before it allows this individual to work as an authorized nuclear pharmacist. A pharmacist who has completed a structured educational program as specified in R313-32-980(2)(a) before January 1, 1998 and who is working in a nuclear pharmacy would qualify as an experienced nuclear pharmacist. An experienced nuclear pharmacist need not comply with the requirements on preceptor statement (See R313-32-980(2)(b)) and recentness of training (See R313-32-972) to qualify as an authorized nuclear pharmacist.

R313-32-999. Resolution of Conflicting Requirements During Transition Period.

If the rules in R313-32 conflict with the licensee's radiation safety program as identified in its license, and if that license was approved by the Bureau of Radiation Control, Department of Health, before January 1, 1989, and has not been renewed since January 1, 1989, then the requirements in the license will apply. However, if the licensee exercises its privilege to make minor changes in its radiation safety procedures that are not potentially important to safety under R313-32-31, the portion changed shall comply with the requirements of R313-32. At the time of license renewal and thereafter, these amendments to R313-32 shall apply.

KEY: radioactive material, radiopharmaceutical, brachytherapy, nuclear medicine

September 14, 2001 19-3-104

Notice of Continuation October 10, 2001 19-3-108

R313. Environmental Quality, Radiation Control.
R313-36. Special Requirements for Industrial Radiographic Operations.
R313-36-1. Purpose and Authority.

(1) The rules in R313-36 prescribe requirements for the issuance of licenses and establish radiation safety requirements for persons utilizing sources of radiation for industrial radiography.

(2) The rules set forth herein are adopted pursuant to the provisions of Sections 19-3-104(3) and 19-3-104(6).

(3) The requirements of R313-36 are in addition to, and not in substitution for, the other requirements of these rules.

R313-36-2. Scope.

(1) The requirements of R313-36 shall apply to licensees using radioactive materials to perform industrial radiography.

(2) The requirements of R313-36 shall not apply to persons using electronic sources of radiation to conduct industrial radiography.

R313-36-3. Clarifications or Exceptions.

For purposes of R313-36, 10 CFR 34 (2001), is incorporated by reference with the following clarifications or exceptions:

(1) The exclusion of the following 10 CFR sections: "34.1", "34.5", "34.8", "34.11", "34.121", and "34.123";

(2) The exclusion of "10 CFR 34.45(a)(9)";

(3) The exclusion of the following 10 CFR references within 10 CFR 34: "21", "30.7", "30.9", and "30.10";

(4) The exclusion of "offshore" in 10 CFR 34.3 definition for "offshore platform radiography";

(5) The substitution of the following wording:

(a) "Utah Radiation Control Rules" for the reference to:

(i) "Commission's regulations", except as stated in R313-36-3(5)(f);

(ii) "Federal regulations"; and

(iii) "NRC regulations";

(b) "Executive Secretary" for the reference to "Commission", except as stated in 10 CFR 34.20 and R313-36-3(5)(c)(iv);

(c) "Executive Secretary, U.S. Nuclear Regulatory Commission, or an Agreement State" for references to:

(i) "NRC or an Agreement State";

(ii) "Commission or by an Agreement State";

(iii) "Commission or an Agreement State"; and

(iv) "Commission" in 10 CFR 34.43(a)(2);

(d) "License" for reference to "NRC license(s)";

(e) In 10 CFR 34.27(d), "reports of test results for leaking or contaminated sealed sources shall be made pursuant to R313-15-1208.", for reference to the following statements:

(i) "A report must be filed with the Director of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, within 5 days of any test with results that exceed the threshold in this subsection, describing the equipment involved, the test results, and the corrective action taken."; and

(ii) "A copy of the report must be sent to the Administrator of the appropriate Nuclear Regulatory Commission's Regional Office listed in appendix D of 10 CFR part 20 of this chapter "Standards for Protection Against Radiation.";

(f) In 10 CFR 34.27(d), "R313-15-401(6)" for the reference to "Commission regulations";

(g) In 10 CFR 34.89, "a U.S. Nuclear Regulatory Commission or an Agreement State" for the reference to "the Agreement State";

(h) In 10 CFR 34.101(a), "Executive Secretary" for the following wording:

(i) "U.S. Nuclear Regulatory Commission, Division of Industrial and Medical Nuclear Safety, Washington, D.C. 20555-0001, with a copy to the Director, Office for Analysis and Evaluation of Operational Data, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001";

(i) In 10 CFR 34.101(c), "Executive Secretary" for the reference to "appropriate NRC regional office listed in 10 CFR 30.6(a)(2) of this chapter";

(j) In Item 12, Section I of Appendix A to 10 CFR 34, "Executive Secretary, the U.S. Nuclear Regulatory Commission and other independent certifying organizations and/or Agreements States" for the reference to "Commission and other independent certifying organizations and/or Agreement States";

(k) In Item 1, Section II of Appendix A to 10 CFR 34, "equivalent U.S. Nuclear Regulatory Commission or Agreement State regulations" for the reference to "equivalent Agreement State regulations"; and

(l) In Item 2(c), Section II of Appendix A to 10 CFR, "a Utah, U.S. Nuclear Regulatory Commission, or an Agreement State licensee" for the reference to "an Agreement State or a NRC licensee"; and

(6) The substitution of the following R313 references for specific 10 CFR references:

(a) "R313-12-55(1)" for reference to "10 CFR 34.111";

(b) "R313-15" for the reference to "10 CFR 20";

(c) "R313-15-601(1)(a)" for the reference to "10 CFR 20.1601(a)(1)";

(d) "R313-15-902" for the reference to "10 CFR 20.1902";

(e) "R313-15-903" for the reference to "10 CFR 20.1903";

(f) "R313-15-1203" for the reference to "10 CFR 20.2203";

(g) "R313-18" for the reference to "10 CFR 19";

(h) "R313-19-30" for the reference to "10 CFR 150.20";

(i) "R313-19-50" for the reference to "10 CFR 30.50";

(j) "R313-19-100" for the reference to "10 CFR 71", "10 CFR 71.5", and "49 CFR 171 to 173";

(k) "R313-22-33" for the reference to "10 CFR 30.33"; and

(l) "R313-36" for the reference to "10 CFR 34."

KEY: industry, radioactive material, licensing, surveys
May 11, 2001 19-3-104
Notice of Continuation October 10, 2001 19-3-108

R313. Environmental Quality, Radiation Control.
R313-70. Payments, Categories and Types of Fees.
R313-70-1. General.

R313-70 applies to persons who receive, possess, or use sources of radiation provided, however, that nothing in these rules shall apply to the extent a person is subject to regulations by the U.S. Nuclear Regulatory Commission. The fees charged are authorized by subsection 19-3-104(4) of the Environmental Quality Code.

R313-70-3. Communications.

Communications concerning the rules in R313-70 should be addressed to the Executive Secretary, and may be sent to the Division of Radiation Control, Department of Environmental Quality. Communications may be delivered in person at the Division of Radiation Control offices.

R313-70-5. Payment of Fees.

(1) New Application Fee: Applications for machine registration or radioactive material licensing for which a fee is prescribed, shall be accompanied by a remittance in the full amount of the fee. Applications will not be accepted for filing or processing prior to payment of the full amount specified. Applications for which no remittance is received will be returned to the applicant. Application fees will be charged irrespective of the Executive Secretary's disposition of the application or a withdrawal of the application.

(2) Annual Fee: Persons and individuals who are subject to licensing or registration of radioactive material or radiation machine registration with the Department of Environmental Quality under provisions of the Utah Radiation Control Rules, are assessed an annual fee in accordance with categories of R313-70-7 and R313-70-8. The appropriate fee shall be filed annually with the Executive Secretary, by July 30 for registrants or by the anniversary date for licensees. Fees for radiation machine registration will be considered late if not received annually by the last day of August. Licensees may be assessed late fees if license fees are not received within 30 days after the license anniversary date. Late fees may also be assessed for successive 30 day periods during which the annual fee or registration fee remains unpaid.

(3) Inspection Fee: Persons and entities who, under provisions of the Utah Radiation Control Rules, are subject to radiation machine registration with the Department of Environmental Quality are assessed an inspection fee in accordance with R313-70-8. Fees for inspection of a radiation machine are due within 30 days of receipt of an invoice from the Agency. Registrants may be assessed late fees if inspection fees are not received in a timely manner.

(4) Failure to pay the prescribed fee: the Executive Secretary will not process applications and may suspend or revoke licenses or registrations or may issue an order with respect to the activities as the Executive Secretary determines to be appropriate or necessary in order to carry out the provisions of this part of R313-70, and of the Act.

(a) General license certificates of registration and specific licenses issued pursuant to the provisions in R313-21 or R313-22, will be valid for a period of five years unless failure to submit appropriate fee occurs. Machine registrations will be valid for one year during the interval outlined in R313-16-230. Failure to submit appropriate fees will render the license, certificate or registration invalid, at which time a new application with appropriate fees shall be submitted.

(b) Renewal applications shall be filed in a timely manner in accordance with R313-22-37 or R313-16-230. The radioactive material license will expire on the date specified on the license. Machine registration will expire as outlined in R313-16-230. An expired license cannot be renewed, rather the licensee will be required to submit an application for a new license and submit the appropriate application and new license fee.

(4) Method of Payment: Fees shall be made payable to: Division of Radiation Control, Department of Environmental Quality.

R313-70-7. License Categories and Types of Fees for Radioactive Materials Licenses.

Fees shall be established in accordance with the Legislative Appropriations Act. Copies of established fee schedules may be obtained from the Executive Secretary.

TABLE

LICENSE CATEGORY	TYPE OF FEE
(1) Special Nuclear Material	
(a) Licenses for possession and use of special nuclear material in sealed sources contained in devices used in industrial measuring systems, including x-ray fluorescence analyzers and neutron generators.	New License or Renewal Annual Fee
(b) Licenses for possession and use of less than 15 g special nuclear material in unsealed form for research and development.	New License or Renewal Annual Fee
(c) All other special nuclear material licenses.	New License or Renewal Annual Fee
(d) Special nuclear material to be used as calibration and reference sources.	New License or Renewal Annual Fee
(2) Source Material.	
(a) Licenses for concentrations of uranium from other areas like copper or phosphates for the production of moist, solid, uranium yellow cake.	New License or Renewal Annual Fee
(b) Licenses for possession and use of source material for shielding.	New License or Renewal Annual Fee
(c) All other source material licenses.	New License or Renewal Annual Fee
(3) Radioactive Material Other than Source	

Material and Special Nuclear Material.		
(a)(i) Licenses of broad scope for possession and use of radioactive material for processing or manufacturing of items containing radioactive material for commercial distribution.	New License or Renewal Annual Fee	
(a)(ii) Other licenses for possession and use of radioactive material for processing or manufacturing of items containing radioactive material for commercial distribution.	New License or Renewal Annual Fee	
(b) Licenses authorizing the processing or manufacturing and distribution or redistribution of radio-pharmaceuticals, generators, reagent kits, or sources or devices containing radioactive material.	New License or Renewal Annual Fee	
(c) Licenses authorizing distribution or redistribution of radiopharmaceuticals, generators, reagent kits, or sources or devices not involving processing of radioactive material.	New License or Renewal Annual Fee	
(d) Licenses for possession and use of radioactive material for industrial radiography operations.	New License or Renewal Annual Fee	
(e) Licenses for possession and use of sealed sources for irradiation of materials in which the source is not removed from its shield (self-shielded units).	New License or Renewal Annual Fee	
(f)(i) Licenses for possession and use of less than 10,000 curies of radioactive material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes.	New License or Renewal Annual Fee	
(f)(ii) Licenses for possession and use of 10,000 curies or more of radioactive material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes.	New License or Renewal Annual Fee	
(g) Licenses to distribute items containing radioactive material that require device review to persons exempt from the licensing requirements of R313-19, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of R313-19.	New License or Renewal Annual Fee	
(h) Licenses to distribute items containing radioactive material or quantities of radioactive material that do not require device evaluation to persons exempt from the licensing requirements of R313-19, except for specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of R313-19.	New License or Renewal Annual Fee	
(i) Licenses to distribute items containing radio-active material that require sealed source or device review to persons generally licensed under R313-21, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under R313-21.	New License or Renewal Annual Fee	
(j) Licenses to distribute items containing radioactive material or quantities of radioactive material that do not require sealed source or device review to persons generally licensed under R313-21, except specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under R313-21.	New License or Renewal Annual Fee	
(k) Licenses for possession and use of radioactive material for	New License or Renewal Annual Fee	

research and development, which do not authorize commercial distribution.	
(l) All other specific radioactive material licenses.	New License or Renewal Annual Fee
(m) Licenses of broad scope for possession and use of radioactive material for research and development which do not authorize commercial distribution.	New License or Renewal
(n) Licenses that authorize services for other licensees, except licenses that authorize leak testing or waste disposal services which are subject to the fees specified for the listed services.	New License or Renewal Annual Fee
(o) Licenses that authorize services for leak testing only.	New License or Renewal Annual Fee
(4) Radioactive Waste Disposal:	
(a) Licenses specifically authorizing the receipt of waste radioactive material from other persons for the purpose of commercial disposal by land by the licensee.	Application Fee New License or Renewal
(b) Licenses specifically authorizing the receipt of waste radioactive material from other persons for the purpose of packaging or repackaging the material. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material.	New License or Renewal Annual Fee
(c) Licenses specifically authorizing the receipt of prepackaged waste radioactive material from other persons. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material.	New License or Renewal Annual Fee
(d) Licenses authorizing packaging of radioactive waste for shipment to waste disposal site where licensee does not take possession of waste material.	New License or Renewal Annual Fee
(5) Well logging, well surveys and tracer studies.	
(a) Licenses for possession and use of radioactive material for well logging, well surveys and tracer studies other than field flooding tracer studies.	New License or Renewal Annual Fee
(b) Licenses for possession and use of radioactive material for field flooding tracer studies.	New License or Renewal Annual Fee
(6) Nuclear laundries.	
(a) Licenses for commercial collection and laundry of items contaminated with radioactive material.	New License or Renewal Annual Fee
(7) Human use of radioactive material.	
(a) Licenses for human use of radioactive material in sealed sources contained in teletherapy devices.	New License or Renewal Annual Fee
(b) Other licenses issued for human use of radioactive material, except licenses for use of radioactive material contained in teletherapy devices.	New License or Renewal Annual Fee
(c) Licenses of broad scope issued to medical institutions or two or more physicians authorizing research and development, including human use of radioactive material, except licenses for radio-active material in sealed sources contained in teletherapy devices.	New License or Renewal Annual Fee
(8) Civil Defense.	
(a) Licenses for possession and use of radioactive material for civil defense activities.	New License or Renewal Annual Fee
(9) Power Source.	
(a) Licenses for the manufacture and distribution of encapsulated radioactive material wherein the decay energy of the material is used as a source for power.	New License or Renewal Annual Fee
(10) General License.	
(a) Measuring, gauging and control devices as described in R313-21-22(4),	Fee per registration certificate

other than hydrogen-3 (tritium) devices and polonium-210 devices containing no more than 10 millicuries used for producing light or an ionized atmosphere.		
(b) In Vitro testing	Fee per registration certificate	
(c) Depleted uranium	Fee per registration certificate	
(d) Reciprocal recognition, as provided for in R313-19-30, of a license issued by the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State.	Annual fee for license category listed in R313-70-7(1) through (10), per 180 days in one calendar year	

R313-70-8. Registration and Inspection Categories and Types of Fees for Registration of Radiation Machines.

(1) For machines registered under R313-16-230, registrants will pay an annual registration fee and an inspection fee that shall be established in accordance with the Legislative Appropriations Act. Copies of established fee schedules may be obtained from the Executive Secretary.

TABLE

FACILITY TYPE	TYPE OF FEE	
Hospital/Therapy	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Medical	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Podiatry	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Veterinary	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Chiropractic	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Dental	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per control unit and first tube plus each additional tube connected to a control unit.
Industrial Facility with High or Very High Radiation Areas Accessible to Individuals	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Industrial Facility with Cabinet X-ray or Units Designed for Other Industrial Purposes	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Other	Registration	Annual per control unit and first tube plus annual per each additional tube connected to a control unit.
	State Inspection	Per tube.
Acceptance of work, performed by a person meeting the qualifications in R313-16-400, that demonstrates compliance with these rules.		Per tube reviewed.

R313-70-9. Other Fees for Services.

TABLE

(1) Expedited application review. Applicable when, by mutual consent of the applicant and affected staff, an application request is taken out of date order and processed by staff during non-work hours.	Hourly
(2) Review of plans for decommissioning, decontamination, reclamation, or site restoration activities.	Plan Review Plus Hourly
(3) Management and oversight of impounded radioactive material.	Actual Cost
(4) License amendment, for greater than three applications in a calendar year.	Amendment Fee

KEY: radioactive material, x-rays, registration, fees
August 13, 1999 19-3-104(4)
Notice of Continuation October 10, 2001

R315. Environmental Quality, Solid and Hazardous Waste.
R315-1. Utah Hazardous Waste Definitions and References.
R315-1-1. Definitions.

(a) Terms used in R315-1 through R315-101 are defined in Sections 19-1-103 and 19-6-102.

(b) For R315-1 through R315-101, the terms defined in 40 CFR 260.10 and 279.1, 2000 ed., are adopted and incorporated by reference with the following revisions:

(1) Substitute "Executive Secretary" for "Regional Administrator" or "Administrator," except in the following cases:

(i) In the actual definitions of "Administrator" and "Regional Administrator;" and

(ii) In the definitions of "hazardous waste constituent" and "industrial furnace" where "Board" shall be substituted.

(2) Insert in the definition of "existing tank system" or "existing component" the following additional phrase after "July 14, 1986," "or December 16, 1988 for purposes of implementing the non-HSWA requirements of the tank regulations as promulgated by EPA on July 14, 1986, 51 FR 25470, as they have been incorporated into the corresponding rules of R315. A non-HSWA existing tank system or non-HSWA tank component is one which does not implement any of the requirements of the federal Hazardous and Solid Waste Amendments of 1984 (HSWA) as identified in Table 1 of 40 CFR 271.1."

(3) Insert in the definition of "new tank system" or "new tank component" the following additional phrase after "July 14, 1986," "or December 16, 1988 for purposes of implementing the non-HSWA requirements of the tank regulations as promulgated by EPA on July 14, 1986, 51 FR 25470, as they have been incorporated into the corresponding rules of R315; except, however, for purposes of 40 CFR 265.193(g)(2) and 40 CFR 264.193(g)(2), a new tank system is one which construction commences after July 14, 1986. A non-HSWA new tank system or non-HSWA new tank component is one which does not implement any of the requirements of the federal Hazardous and Solid Waste Amendments of 1984 (HSWA) as identified in Table 1 of 40 CFR 271.1."

(c) The terms defined in 40 CFR 261.1(c), 1997 ed., are adopted and incorporated by reference.

(d) For purposes of R315-3 regarding application and permit procedures for hazardous waste facilities, the terms defined in 40 CFR 270.2, 1999 ed., are adopted and incorporated by reference with the following revisions:

(1) "Permit" means the plan approval as required by subsection 19-6-108(3)(a), or equivalent control document issued by the Executive Secretary to implement the requirements of the Utah Solid and Hazardous Waste Act; and

(2) "Director" or "State Director" means "Executive Secretary."

(e) The definitions of "Polychlorinated biphenyl, PCB," and "Polychlorinated item" as found in 761.3, 40 CFR, 1990 ed., are adopted and incorporated by reference.

(f) In addition, the following terms are defined as follows:

(1) "Approved hazardous waste management facility" or "approved facility" means a hazardous waste treatment, storage, or disposal facility which has received an EPA permit in accordance with federal requirements, has been approved under 19-6-108 and R315-3, or has been permitted or approved under any other EPA authorized hazardous waste state program.

(2) "Division" means the Division of Solid and Hazardous Waste.

(3) "Hazard class" means:

(i) The DOT hazard class identified in 49 CFR 172; and

(ii) If the DOT hazard class is "OTHER REGULATED MATERIAL," ORM, the EPA hazardous waste characteristic exhibited by the waste and identified in R315-2-9.

(4) "Monitoring" means all procedures used to systematically inspect and collect data on operational parameters of the facility or on the quality of the air, ground water, surface water, or soils.

(5) "POHC's" means principle organic hazardous constituents.

(6) "Permittee" means any person who has received an approval of a hazardous waste operation plan under 19-6-108 and R315-3 or a Federal RCRA permit for a treatment, storage, or disposal facility.

(7) "Precipitation run-off" means water generated from naturally occurring storm events. If the precipitation run-off has been in contact with a waste defined in R315-2-9, it qualifies as "precipitation run-off" if the water does not exhibit any of the characteristics identified in R315-2-9. If the precipitation run-off has been in contact with a waste listed in R315-2-10 or R315-2-11, then it qualifies as "precipitation run-off" when the water has been excluded under R315-2-16. Water containing any leachate does not qualify as "precipitation run-off".

(8) "Spill" means the accidental discharging, spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous wastes or materials which, when spilled, become hazardous wastes, into or on any land or water.

(9) "Waste management area" means the limit projected in the horizontal plane of the area on which waste will be placed during the active life of a regulated unit. The waste management area includes horizontal space taken up by any liner, dike, or other barrier designed to contain waste in a regulated unit. If the facility contains more than one regulated unit, the waste management area is described by an imaginary line circumscribing the several regulated units.

(g) Terms used in R315-15 are defined in sections 19-6-703 and 19-6-706(2)(b)(ii).

(h) For purposes of R315-101 regarding cleanup action and risk-based closure standards, the following terms are defined as follows:

(1)"The concentration term, C" is calculated as the 95% upper confidence limit, UCL, on the arithmetic average for normally distributed data, or as the 95% upper confidence limit on the arithmetic average for lognormally distributed data. For normally distributed data, C=Mean + t x Standard Deviation/$n^{1/2}$, where n is the number of observations, and t is Student's t distribution (at the 95% one-sided confidence level and n-1 degrees of freedom), tables of which are printed in most introductory statistics textbooks. For lognormally distributed data, C=exp (Mean of lognormal-transformed data + 0.5 x Variance of lognormal-transformed data + Standard Deviation of lognormal-transformed data x H/$(n - 1)^{1/2}$), where n is the number of observations, and H is Land's H statistic (at the 95% one-sided confidence level), tables of which are printed in

advanced statistics books. For data which are not normally nor lognormally distributed, appropriate statistics, such as nonparametric confidence limits, shall be applied.

(2) "Area of contamination" means a hazardous waste management unit or an area where a release has occurred. The boundary is defined as the furthest extent where contamination from a defined source has migrated in any medium at the time the release is first identified.

(3) "Contaminate" means to render a medium polluted through the introduction of hazardous waste or hazardous constituents as identified in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII.

(4) "Hazard index" means the sum of more than one hazard quotient for multiple substances, multiple exposure pathways, or both. The Hazard Index is calculated separately for chronic, subchronic, and shorter duration exposures.

(5) "Hazard quotient" means the ratio of a single substance exposure level over a specified time period, e.g. subchronic, to a reference dose for that substance derived from a similar exposure period.

(6) "Risk-based closure" means closure of a site where hazardous waste was managed or any medium has been contaminated by a release of hazardous waste or hazardous constituents, and where hazardous waste or hazardous constituents remain at the site in any medium at concentrations determined, under this rule, to cause minimal levels of risk to human health and the environment so as to require no further action or monitoring on the part of the responsible party nor any notice of hazardous waste management on the deed to the property.

(7) "Reasonable maximum exposure (RME)" means the highest exposure that is reasonably expected to occur at a site. The goal of RME is to combine upper-bound and mid-range exposure factors so that the result represents an exposure scenario that is both protective and reasonable; not the worst possible case.

(8) "Release" means spill or discharge of hazardous waste, hazardous constituents, or material that becomes hazardous waste when released to the environment.

(9) "Responsible party" means the owner or operator of a facility, or any other person responsible for the release of hazardous waste or hazardous constituents.

(10) "Site" means the area of contamination and any other area that could be impacted by the released contaminants, or could influence the migration of those contaminants, regardless of whether the site is owned by the responsible party.

R315-1-2. References.

(a) For purposes of R315-1 through R315-101, the publication references of 40 CFR 260.11, 1999 ed., are adopted and incorporated by reference.

(b) R315-1 through R315-101 incorporate by reference a number of provisions from 40 CFR. The incorporated provisions sometimes include cross-references to other sections of 40 CFR. Wherever there are sections in R315-1 through R315-101 that correspond to those cross-references, the cross-references of 40 CFR are not incorporated into R315-1 through R315-101. Instead, the corresponding sections in R315-1 through R315-101 shall apply.

KEY: hazardous waste
April 20, 2001 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-2. General Requirements - Identification and Listing of Hazardous Waste.
R315-2-1. Purpose and Scope.

(a) This rule identifies those solid wastes which are subject to regulation as hazardous wastes under R315-3 through R315-9 and R315-13 of these rules and which are subject to the notification requirements of these rules.

(b)(1) The definition of solid waste contained in this rule applies only to wastes that also are hazardous for purposes of the rules implementing Chapter 6, Title 19. For example, it does not apply to materials such as non-hazardous scrap, paper, textiles, or rubber that are not otherwise hazardous wastes and that are recycled.

(2) This rule identifies only some of the materials which are solid wastes and hazardous wastes under the Utah Solid and Hazardous Waste Act. A material which is not defined as a solid waste in this rule, or is not a hazardous waste identified or listed in this rule, is still a solid waste and a hazardous waste for purposes of these sections if:

(i) In the case of section 19-6-109, the Board has reason to believe that the material may be a solid waste within the meaning of subsection 19-6-102(13) and a hazardous waste within the meaning of subsection 19-6-102(7) or

(ii) In the case of section 19-6-115, the material is presenting an imminent and substantial danger to human health or the environment.

R315-2-2. Definition of Solid Waste.

(a)(1) A solid waste is any discarded material that is not excluded by subsection R315-2-4(a) or that is not excluded by variance granted under R315-2-18 and R315-2-19.

(2) A discarded material is any material which is:

(i) Abandoned, as explained in paragraph (b) of this section; or

(ii) Recycled, as explained in paragraph (c) of this section; or

(iii) Considered inherently waste-like, as explained in paragraph (d) of this section.

(b) Materials are solid waste if they are abandoned by being;

(1) Disposed of; or

(2) Burned or incinerated; or

(3) Accumulated, stored, or treated, but not recycled, before or in lieu of being abandoned by being disposed of, burned, or incinerated.

(c) Materials are solid wastes if they are recycled - or accumulated, stored, or treated before recycling - as specified in paragraphs (c)(1) through (c)(4) of this section. Table 1 of 40 CFR 261.2, 1997 ed., is adopted and incorporated by reference and shall be effective through June 30, 1999. Table 1 of 40 CFR 261.2, 1998 ed., is adopted and incorporated by reference, except that the heading for Column 3 shall read "reclamation (Section 261.2(c)(3)) (except as provided in 261.4(a)(16) for mineral processing secondary materials), and shall be effective July 1, 1999.

(1) Used in a manner constituting disposal

(i) Materials noted with "*" in Column 1 of Table 1 of 40 CFR 261.2, are solid wastes when they are:

(A) Applied to or placed on the land in a manner that constitutes disposal; or

(B) Used to produce products that are applied to or placed on the land or are otherwise contained in products that are applied to or placed on the land, in which cases the product itself remains a solid waste.

(ii) However, commercial chemical products listed in R315-2-11 are not solid wastes if they are applied to the land and that is their ordinary manner of use.

(2) Burning for energy recovery.

(i) Materials noted with a "*" in Column 2 of Table 1 of 40 CFR 261.2 are solid wastes when they are:

(A) Burned to recover energy;

(B) Used to produce a fuel or are otherwise contained in fuels, in which cases the fuel itself remains a solid waste.

(ii) However, commercial chemical products listed in R315-2-11 are not solid wastes if they are themselves fuels.

(3) Reclaimed. Materials noted with a "*" in Column 3 of Table 1 of 40 CFR 261.2 are solid wastes when reclaimed, except as provided under R315-2-4(a)(16), which shall be effective on July 1, 1999. Materials noted with a "---" in column 3 of Table 1 are not solid wastes when reclaimed.

(4) Accumulated speculatively. Materials noted with a "*" in Column 4 of Table 1 of 40 CFR 261.2 are solid wastes when accumulated speculatively.

(d) Inherently waste-like materials. The following materials are solid wastes when they are recycled in any manner:

(1) Hazardous Waste Nos. F020, F021, unless used as an ingredient to make a product at the site of generation, F022, F023, F026, and F028.

(2) Secondary materials fed to a halogen acid furnace that exhibit a characteristic of a hazardous waste or are listed as a hazardous waste as defined in R315-2-9 through R315-2-10 and R315-2-24, except for brominated material that meets the following criteria:

(i) The material must contain a bromine concentration of at least 45%; and

(ii) The material must contain less than a total of 1% of toxic organic compounds listed in 40 CFR 261 Appendix VIII; and

(iii) The material is processed continually on-site in the halogen acid furnace via direct conveyance (hard piping).

(3) The Board will use the following criteria to add wastes to that list:

(i)(A) The materials are ordinarily disposed of, burned, or incinerated; or

(B) The materials contain toxic constituents listed in R315-50-10 and these constituents are not ordinarily found in raw materials or products for which the materials substitute, or are found in raw materials or products in smaller concentrations, and are not used or reused during the recycling process; and

(ii) The material may pose a substantial hazard to human health and the environment when recycled.

(e) Materials that are not solid waste when recycled.

(1) Materials are not solid wastes when they can be shown to be recycled by being:

(i) Used or reused as ingredients in an industrial process to make a product, provided the materials are not being reclaimed; or

(ii) Used or reused as effective substitutes for commercial products; or

(iii) Returned to the original process from which they are generated, without first being reclaimed or land disposed. The material must be returned as a substitute for feedstock materials. In cases where the original process to which the material is returned is a secondary process, the materials must be managed such that there is no placement on the land. After June 30, 1999, in cases where the materials are generated and reclaimed within the primary mineral processing industry, the conditions of the exclusion found at R315-2-4(a)(16) apply rather than this provision.

(2) The following materials are solid wastes, even if the recycling involves use, reuse, or return to the original process, described in paragraphs (e)(1)(i)-(iii) of this section:

(i) Materials used in a manner constituting disposal, or used to produce products that are applied to the land; or

(ii) Materials burned for energy recovery, used to produce a fuel, or contained in fuels; or

(iii) Materials accumulated speculatively; or

(iv) Materials listed in paragraphs (d)(1) and (d)(2) of this section.

(f) Documentation of claims that materials are not solid wastes or are conditionally exempt from regulation. Respondents in actions to enforce rules implementing the Utah Solid and Hazardous Waste Act who raise a claim that a certain material is not a solid waste, or is conditionally exempt from regulation, must demonstrate that there is a known market or disposition for the material, and that they meet the terms of the exclusion or exemption. In doing so, they must provide appropriate documentation, such as contracts showing that a second person uses the material as an ingredient in a production process, to demonstrate that the material is not a waste, or is exempt from regulation. In addition, owners or operators of facilities claiming that they actually are recycling materials must show that they have the necessary equipment to do so.

R315-2-3. Definition of Hazardous Waste.

(a) A solid waste as defined in section R315-2-2 is a hazardous waste if:

(1) It is not excluded from regulation as a hazardous waste under subsection R315-2-4(b); and

(2) It meets any of the following criteria:

(i) It is listed in sections R315-2-10 or R315-2-11 and has not been excluded from this section under sections R315-2-16 or R315-2-17.

(ii) It exhibits any of the characteristics of hazardous waste identified in R315-2-9. However, any mixture of a waste from the extraction, beneficiation, and processing of ores and minerals excluded under R315-2-4(b)(7) and any other solid waste exhibiting a characteristic of hazardous waste under R315-2-9 is a hazardous waste only if it exhibits a characteristic that would not have been exhibited by the excluded waste alone if such mixture had not occurred, or if it continues to exhibit any of the characteristics exhibited by the non-excluded wastes prior to mixture. Further, for the purposes of applying the Toxicity Characteristic to such mixtures, the mixture is also a hazardous waste if it exceeds the maximum concentration for any contaminant listed in table I, 40 CFR 261.24, which R315-2-9(g)(2) incorporates by reference, that would not have been exceeded by the excluded waste alone if the mixture had not occurred or if it continues to exceed the maximum concentration for any contaminant exceeded by the nonexempt waste prior to mixture.

(iii) It is a mixture of solid waste and a hazardous waste that is listed in sections R315-2-10 or R315-2-11 solely because it exhibits one or more of the characteristics of hazardous waste identified in section R315-2-9, unless the resultant mixture no longer exhibits any characteristic of hazardous waste identified in section R315-2-9 or unless the solid waste is excluded from regulation under R315-2-4(b)(7) and the resultant mixture no longer exhibits any characteristic of hazardous waste identified in section R315-2-9 for which the hazardous waste listed in R315-2-10 or R315-2-11 was listed. However, nonwastewater mixtures are still subject to the requirements of R315-13, which incorporates by reference 40 CFR 268, even if they no longer exhibit a characteristic at the point of land disposal.

(iv) It is a mixture of solid waste and one or more hazardous wastes listed in sections R315-2-10 or R315-2-11 and has not been excluded from paragraph (a)(2) of this section under sections R315-2-16 and R315-2-17; however, the following mixtures of solid wastes and hazardous wastes listed in sections R315-2-10 or R315-2-11 are not hazardous wastes, except by application of paragraph (a)(2)(i) or (ii) of this section, if the generator can demonstrate that the mixture consists of wastewater the discharge of which is subject to regulation under either Section 402 or Section 307(b) of the Clean Water Act, 33 U.S.C. 1251 et seq., including wastewater at facilities which have eliminated the discharge of wastewater, and:

(A) One or more of the following spent solvents - carbon tetrachloride, tetrachloroethylene, trichloroethylene - provided that the maximum total weekly usage of these solvents, other than the amounts that can be demonstrated not to be discharged to wastewater, divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pre-treatment system does not exceed 1 part per million;

(B) One or more of the following spent solvents listed in R315-2-10(e), which incorporates by reference 40 CFR 261.31 - methylene chloride, 1,1,1-trichloroethane, chlorobenzene, o-dichlorobenzene, cresols, cresylic acid, nitrobenzene, toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, spent chlorofluorocarbon solvents - provided that the maximum total weekly usage of these solvents, other than the amounts that can be demonstrated not to be discharged to wastewater, divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pre-treatment system does not exceed 25 parts per million;

(C) One of the following wastes listed in R315-2-10(f), which incorporates by reference 40 CFR 261.32, provided that the wastes are discharged to the refinery oil recovery sewer before primary oil/water/solids separation - heat exchanger bundle cleaning sludge from the petroleum refining industry, EPA Hazardous Waste No. K050, crude oil storage tank sediment from petroleum refining operations, EPA Hazardous Waste No. K169, clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations,

EPA Hazardous Waste No. K170, spent hydrotreating catalyst, EPA Hazardous Waste No. K171, and spent hydrorefining catalyst, EPA Hazardous Waste No. K172; or

(D) A discarded commercial chemical product, or chemical intermediate listed in R315-2-11, arising from "de minimis" losses of these materials from manufacturing operations in which these materials are used as raw materials or are produced in the manufacturing process. For purposes of this subparagraph, "de minimis" losses include those from normal material handling operations, for example, spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials; minor leaks of process equipment, storage tanks or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; and rinsate from empty containers or from containers that are rendered empty by that rinsing; or

(E) Wastewater resulting from laboratory operations containing toxic (T) wastes listed in Sections R315-2-10 or R315-2-11, provided that the annualized average flow of laboratory wastewater does not exceed one percent of total wastewater flow into the headworks of the facility's wastewater treatment or pre-treatment system, or provided it is demonstrated that the wastes' combined annualized average concentration does not exceed one part per million in the headworks of the facility's wastewater treatment or pre-treatment facility. Toxic (T) wastes used in laboratories that are demonstrated not to be discharged to wastewater are not to be included in this calculation; or

(F) One or more of the following wastes listed in R315-2-10(f), which incorporates by reference 40 CFR 261.32 - wastewaters from the production of carbamates and carbamoyl oximes, EPA Hazardous Waste No. K157 - Provided that the maximum weekly usage of formaldehyde, methyl chloride, methylene chloride, and triethylamine, including all amounts that can not be demonstrated to be reacted in the process, destroyed through treatment, or is recovered, i.e., what is discharged or volatilized, divided by the average weekly flow of process wastewater prior to any dilutions into the headworks of the facility's wastewater treatment system does not exceed a total of 5 parts per million by weight; or

(G) Wastewaters derived from the treatment of one or more of the following wastes listed in R315-2-10(f), which incorporates by reference 40 CFR 261.32 - organic waste, including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates, from the production of carbamates and carbamoyl oximes, EPA Hazardous Waste No. K156 - Provided, that the maximum concentration of formaldehyde, methyl chloride, methylene chloride, and triethylamine prior to any dilutions into the headworks of the facility's wastewater treatment system does not exceed a total of 5 milligrams per liter.

(v) Rebuttable presumption for used oil. Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste listed in R315-2-10(e) and (f), which incorporates by reference 40 CFR 261 Subpart D. Persons may rebut this presumption by demonstrating that the used oil does not contain hazardous waste, for example, by using an analytical method from SW-846, Third Edition, to show that the used oil does not contain significant concentrations of halogenated hazardous constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII.

(A) The rebuttable presumption does not apply to metalworking oils/fluids containing chlorinated paraffins, if they are processed, through a tolling agreement, to reclaim metalworking oils/fluids. The presumption does apply to metalworking oils/fluids if such oils/fluids are recycled in any other manner, or disposed.

(B) The rebuttable presumption does not apply to used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units where the CFCs are destined for reclamation. The rebuttable presumption does apply to used oils contaminated with CFCs that have been mixed with used oil from sources other than refrigeration units.

(b) A solid waste which is not excluded from regulation under paragraph (a)(1) of this section becomes a hazardous waste when any of the following events occur:

(1) In the case of a waste listed in sections R315-2-10 or R315-2-11, when the waste first meets the listing description set forth in sections R315-2-10 or R315-2-11.

(2) In the case of the mixture of solid waste and one or more listed hazardous wastes, when a hazardous waste listed in sections R315-2-10 or R315-2-11 is first added to the solid waste.

(3) In the case of any other waste, including a waste mixture, when the waste exhibits any of the characteristics identified in section R315-2-9.

(c) Unless and until it meets the criteria of paragraph (d) of this section:

(1) A hazardous waste will remain a hazardous waste.

(2)(i) Except as otherwise provided in paragraph (c)(2)(ii) of this section, any solid waste generated from the treatment, storage, or disposal of a hazardous waste, including any sludge, spill residue, ash, emission control dust, or leachate, but not including precipitation run-off, is a hazardous waste. However, materials that are reclaimed from solid wastes and that are used beneficially are not solid wastes and hence are not hazardous wastes under this provision unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal.

(ii) The following solid wastes are not hazardous even though they are generated from the treatment, storage, or disposal of a hazardous waste, unless they exhibit one or more of the characteristics of hazardous waste:

(A) Waste pickle liquor sludge generated by lime stabilization of spent pickle liquor from the iron and steel industry, SIC Codes 331 and 332.

(B) Wastes from burning any of the materials exempted from regulations by 40 CFR 261.6(a)(3)(iii) and (v). R315-2-6 incorporates by reference the requirements of 40 CFR 261.6 concerning recyclable materials.

(C)(1) Nonwastewater residues, such as slag, resulting from high temperature metals recovery (HTMR) processing of K061, K062, or F006 waste, in units identified as rotary kilns, flame reactors, electric furnaces, plasma arc furnaces, slag reactors, rotary hearth furnace/electric furnace combinations or

industrial furnaces (as defined in 40 CFR 260.10 (6), (7), and (13) of the definition for "Industrial Furnace" which R315-1-1(b) incorporates by reference), that are disposed in solid waste landfills regulated under R315-301 through R315-320, provided that these residues meet the generic exclusion levels identified below for all constituents, and exhibit no characteristics of hazardous waste. Testing requirements shall be incorporated in a facility's waste analysis plan or a generator's self-implementing waste analysis plan; at a minimum, composite samples of residues shall be collected and analyzed quarterly and/or when the process or operation generating the waste changes. Persons claiming this exclusion in an enforcement action will have the burden of proving by clear and convincing evidence that the material meets all of the exclusion requirements.

TABLE

Constituent	Maximum for any single composite sample - TCLP (mg/l)
Generic exclusion levels for K061 and K062 nonwastewater HTMR residues	
Antimony	0.10
Arsenic	0.50
Barium	7.6
Beryllium	0.010
Cadmium	0.050
Chromium (total)	0.33
Lead	0.15
Mercury	0.009
Nickel	1.0
Selenium	0.16
Silver	0.30
Thallium	0.020
Zinc	70
Generic exclusion levels for F006 nonwastewater HTMR residues	
Antimony	0.10
Arsenic	0.50
Barium	7.6
Beryllium	0.010
Cadmium	0.050
Chromium (total)	0.33
Cyanide (total)(mg/kg)	1.8
Lead	0.15
Mercury	0.009
Nickel	1.0
Selenium	0.16
Silver	0.30
Thallium	0.020
Zinc	70

(2) A one-time notification and certification shall be placed in the facility's files and sent to the Executive Secretary for K061, K062 or F006 HTMR residues that meet the generic exclusion levels for all constituents and do not exhibit any characteristics that are sent to solid waste landfills regulated under R315-301 through R315-320. The notification and certification that is placed in the generators or treaters files shall be updated if the process or operation generating the waste changes and/or if the solid waste landfill regulated under R315-301 through R315-320 receiving the waste changes. However, the generator or treater need only notify the Executive Secretary on an annual basis if such changes occur. Such notification and certification should be sent to the Executive Secretary by the end of the calendar year, but no later than December 31. The notification shall include the following information: The name and address of the solid waste landfill regulated under R315-301 through R315-320 receiving the waste shipments; the EPA Hazardous Waste Number(s) and treatability group(s) at the initial point of generation; and, the treatment standards applicable to the waste at the initial point of generation. The certification shall be signed by an authorized representative and shall state as follows: "I certify under penalty of law that the generic exclusion levels for all constituents have been met without impermissible dilution and that no characteristic of hazardous waste is exhibited. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

(D) Biological treatment sludge from the treatment of one of the following wastes listed in R315-2-10(f), which incorporates by reference 40 CFR 261.32 - organic waste, including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates, from the production of carbamates and carbamoyl oximes, EPA Hazardous Waste No. K156, and wastewaters from the production of carbamates and carbamoyl oximes, EPA Hazardous Waste No. K157.

(E) Catalyst inert support media separated from one of the following wastes listed in R315-2-10(f), which incorporates by reference 40 CFR 261.32, - Spent hydrotreating catalyst, EPA Hazardous Waste No. K171, and Spent hydrorefining catalyst, EPA Hazardous Waste N0. K172.

(d) Any solid waste described in paragraph (c) of this section is not a hazardous waste if it meets the following criteria:

(1) In the case of any solid waste, it does not exhibit any of the characteristics of hazardous waste identified in section R315-2-9. However, wastes that exhibit a characteristic at the point of generation may still be subject to the requirements of R315-13 which incorporates by reference 40 CFR 268, even if they no longer exhibit a characteristic at the point of land disposal.

(2) In the case of a waste which is a listed waste under sections R315-2-10 or R315-2-11, contains a waste listed under sections R315-2-10 or R315-2-11, or is derived from a waste listed in sections R315-2-10 or R315-2-11, it also has been excluded from paragraph (c) of this section under R315-2-16 and R315-2-17.

(e) Notwithstanding R315-2-3(a) through (d) and provided the debris as defined in R315-13, which incorporates by reference 40 CFR 268, does not exhibit a characteristic identified in R315-2-9, the following materials are not subject to regulation under R315-1, R315-2 to R315-8, R315-13, and R315-14:

(1) Hazardous debris as defined in R315-13, which incorporates by reference 40 CFR 268, that has been treated using one of the required extraction or destruction technologies specified in R315-13, which incorporates by reference 40 CFR 268.45 Table 1; persons claiming this exclusion in an enforcement action will have the burden of proving by clear and convincing evidence that the material meets all of the exclusion requirements; or

(2) Debris as defined in R315-13, which incorporates by reference 40 CFR 268, that the Board, considering the extent of contamination, has determined is no longer contaminated with hazardous waste.

R315-2-4. Exclusions.

(a) MATERIALS WHICH ARE NOT SOLID WASTES.

The following materials are not solid wastes for the purpose of this rule:

(1) Domestic sewage or any mixture of domestic sewage and other wastes that passes through a sewer system to a publicly-owned treatment works for treatment. "Domestic sewage" means untreated sanitary wastes that pass through a sewer system.

(2) Industrial wastewater discharges that are point source discharges subject to regulation under Section 402 of the Clean Water Act, as amended. This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored, or treated before discharge, nor does it exclude sludges that are generated by industrial wastewater treatment.

(3) Irrigation return flows.

(4) Source, special nuclear or by-product material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. Section 2011 et seq.

(5) Materials subjected to in-situ mining techniques which are not removed from the ground as part of the extraction process.

(6) Pulping liquors, black liquor that are reclaimed in a pulping liquor recovery furnace and then reused in the pulping process, unless it is accumulated speculatively as defined in subsection R315-1-1(c), which incorporates by reference 261.1(c), 40 CFR.

(7) Spent sulfuric acid used to produce virgin sulfuric acid, unless it is accumulated speculatively as defined in subsection R315-1-1(c), which incorporates by reference 261.1(c), 40 CFR.

(8) Secondary materials that are reclaimed and returned to the original process or processes in which they were generated where they are reused in the production process provided:

(i) Only tank storage is involved, and the entire process through completion of reclamation is closed by being entirely connected with pipes or other comparable enclosed means of conveyance;

(ii) Reclamation does not involve controlled flame combustion (such as occurs in boilers, industrial furnaces, or incinerators);

(iii) The secondary materials are never accumulated in such tanks for over twelve months without being reclaimed; and

(iv) The reclaimed material is not used to produce a fuel, or used to produce products that are used in a manner constituting disposal.

(9)(i) Spent wood preserving solutions that have been reclaimed and are reused for their original intended purpose; and

(ii) wastewaters from the wood preserving process that have been reclaimed and are reused to treat wood.

(iii) Prior to reuse, the wood preserving wastewaters and spent wood preserving solutions described in R315-2-4(a)(9)(i) and (ii), so long as they meet all of the following conditions:

(A) The wood preserving wastewaters and spent wood preserving solutions are reused onsite at water borne plants in the production process for their original intended purpose;

(B) Prior to reuse, the wastewaters and spent wood preserving solutions are managed to prevent release to either land or groundwater or both;

(C) Any unit used to manage wastewaters and/or spent wood preserving solutions prior to reuse can be visually or otherwise determined to prevent such releases;

(D) Any drip pad used to manage the wastewaters and/or spent wood preserving solutions prior to reuse complies with the standards in R315-7-28, which incorporates by reference 40 CFR 265.440 - 445, regardless of whether the plant generates a total of less than 100 kg/month of hazardous waste; and

(E) Prior to operating pursuant to this exclusion, the plant owner or operator submits to the Executive Secretary a one-time notification stating that the plant intends to claim the exclusion, giving the date on which the plant intends to begin operating under the exclusion, and containing the following language: "I have read the applicable regulation establishing an exclusion for wood preserving wastewaters and spent wood preserving solutions and understand it requires me to comply at all times with the conditions set out in the regulation." The plant must maintain a copy of that document in its on-site records for a period of no less than 3 years from the date specified in the notice. The exclusion applies only so long as the plant meets all of the conditions. If the plant goes out of compliance with any condition, it may apply to the Executive Secretary for reinstatement. The Executive Secretary may reinstate the exclusion upon finding that the plant has returned to compliance with all conditions and that violations are not likely to recur.

(10) EPA Hazardous Waste Nos. K060, K087, K141, K142, K143, K144, K145, K147, and K148, and any wastes from the coke by-products processes that are hazardous only because they exhibit the Toxicity Characteristic (TC) specified in R315-2-9(g) when, subsequent to generation, these materials are recycled to coke ovens, to the tar recovery process as a feedstock to produce coal tar or are mixed with coal tar prior to the tar's sale or refining. This exclusion is conditioned on there being no land disposal of the wastes from the point they are generated to the point they are recycled to coke ovens or the tar recovery or refining processes, or mixed with coal tar.

(11) Nonwastewater splash condenser dross residue from the treatment of K061 in high temperature metals recovery units, provided it is shipped in drums (if shipped) and not land disposed before recovery.

(12)(i) Oil-bearing hazardous secondary materials, i.e., sludges, byproducts, or spent materials, that are generated at a petroleum refinery, SIC code 2911, and are inserted into the petroleum refining process, SIC code 2911 - including distillation, catalytic cracking, fractionation, or thermal cracking units, i.e., cokers, unless the material is placed on the land, or speculatively accumulated before being so recycled. Materials inserted into thermal cracking units are excluded under this paragraph, provided that the coke product also does not exhibit a characteristic of hazardous waste. Oil-bearing hazardous secondary materials may be inserted into the same petroleum refinery where they are generated, or sent directly to another petroleum refinery, and still be excluded under this provision. Except as provided in R315-2-4(a)(12)(ii), oil-bearing hazardous secondary materials generated elsewhere in the petroleum industry, i.e., from sources other than petroleum refineries, are not excluded under R315-2-4. Residuals generated from processing or recycling materials excluded under this paragraph, where such materials as generated would have otherwise met a listing under R315-2-10, R315-2-11, R315-2-24, and R315-2-26, are designated as F037 listed wastes when disposed of or intended for disposal.

(ii) Recovered oil that is recycled in the same manner and

with the same conditions as described in R315-2-4(a)(12)(i). Recovered oil is oil that has been reclaimed from secondary materials, including wastewater, generated from normal petroleum industry practices, including refining, exploration and production, bulk storage, and transportation incident thereto (SIC codes 1311, 1321, 1381, 1382, 1389, 2911, 4612, 4613, 4922, 4923, 4789, 5171, and 5152.) Recovered oil does not include oil-bearing hazardous wastes listed in R315-2-10, R315-2-11, R315-2-24, and R315-2-26; however, oil recovered from such wastes may be considered recovered oil. Recovered oil does not include used oil as defined in 19-6-703(19).

(13) Excluded scrap metal, processed scrap metal, unprocessed home scrap metal, and unprocessed prompt scrap metal, being recycled.

(14) Shredded circuit boards being recycled provided that they are:

(i) Stored in containers sufficient to prevent a release to the environment prior to recovery; and

(ii) Free of mercury switches, mercury relays, and nickel-cadmium batteries and lithium batteries.

(15) Condensates derived from the overhead gases from kraft mill steam strippers that are used to comply with 40 CFR 63.446(e). The exemption applies only to combustion at the mill generating the condensates.

(16) Comparable fuels or comparable syngas fuels, i.e., comparable/syngas fuels, that meet the requirements of R315-2-26, which incorporates by reference 40 CFR 261.38.

(17) Secondary materials, i.e., sludges, by-products, and spent materials as defined in R315-1-1(c), which incorporates by reference 40 CFR 261.1, other than hazardous wastes listed in R315-2-10 and 11, which incorporates by reference 40 CFR 261 Subpart D, generated within the primary mineral processing industry from which minerals, acids, cyanide, water or other values are recovered by mineral processing or by benefication, provided that:

(i) The secondary material is legitimately recycled to recover minerals, acids, cyanide, water or other values;

(ii) The secondary material is not accumulated speculatively;

(iii) Except as provided in (iv), the secondary material is stored in tanks, containers, or buildings meeting the following minimum integrity standards: a building must be an engineered structure with a floor, walls, and a roof all of which are made of non-earthen materials providing structural support, except smelter buildings may have partially earthen floors provided the secondary material is stored on the non-earthen portion, and have a roof suitable for diverting rainwater away from the foundation; a tank must be free standing, not be a surface impoundment as defined R315-1-1(b), which incorporates by reference 40 CFR 260.10, and be manufactured of a material suitable for containment of its contents; a container must be free standing and be manufactured of a material suitable for containment of its contents. If tanks or containers contain any particulate which may be subject to wind dispersal, the owner/operator must operate these units in a manner which controls fugitive dust. Tanks, containers, and buildings must be designed, constructed and operated to prevent significant releases to the environment of these materials.

(iv) The Executive Secretary may make a site-specific determination, after public review and comment, that only solid mineral processing secondary materials may be placed on pads, rather than in tanks, containers, or buildings. Solid mineral processing secondary materials do not contain any free liquid. The Executive Secretary must affirm that pads are designed, constructed and operated to prevent significant releases of the secondary material into the environment. Pads must provide the same degree of containment afforded by the non-RCRA tanks, containers and buildings eligible for exclusion.

(A) The Executive Secretary must also consider if storage on pads poses the potential for significant releases via groundwater, surface water, and air exposure pathways. Factors to be considered for assessing the groundwater, surface water, air exposure pathways are: the volume and physical and chemical properties of the secondary material, including its potential for migration off the pad; the potential for human or environmental exposure to hazardous constituents migrating from the pad via each exposure pathway, and the possibility and extent of harm to human and environmental receptors via each exposure pathway.

(B) Pads must meet the following minimum standards: be designed of non-earthen material that is compatible with the chemical nature of the mineral processing secondary material, capable of withstanding physical stresses associated with placement and removal, have run on/runoff controls, be operated in a manner which controls fugitive dust, and have integrity assurance through inspections and maintenance programs.

(C) Before making a determination under this paragraph, the Executive Secretary must provide notice and the opportunity for comment to all persons potentially interested in the determination. This can be accomplished by placing notice of this action in major local newspapers, or broadcasting notice over local radio stations.

(v) The owner or operator provides a notice to the Executive Secretary, identifying the following information: the types of materials to be recycled; the type and location of the storage units and recycling processes; and the annual quantities expected to be placed in nonland-based units. This notification must be updated when there is a change in the type of materials recycled or the location of the recycling process.

(vi) For purposes of R315-2-4(b)(7), mineral processing secondary materials must be the result of mineral processing and may not include any listed hazardous wastes. Listed hazardous wastes and characteristic hazardous wastes generated by non-mineral processing industries are not eligible for the conditional exclusion from the definition of solid waste.

(vii) R315-2-4(a)(16) becomes effective July 1, 1999.

(18) Petrochemical recovered oil from an associated organic chemical manufacturing facility, where the oil is to be inserted into the petroleum refining process, SIC code 2911, along with normal petroleum refinery process streams, provided:

(i) The oil is hazardous only because it exhibits the characteristic of ignitability, as defined in R315-2-9(d), and/or toxicity for benzene, R315-2-9(g), waste code D018; and

(ii) The oil generated by the organic chemical manufacturing facility is not placed on the land, or speculatively accumulated before being recycled into the petroleum refining process. An "associated organic chemical manufacturing

facility" is a facility where the primary SIC code is 2869, but where operations may also include SIC codes 2821, 2822, and 2865; and is physically co-located with a petroleum refinery; and where the petroleum refinery to which the oil being recycled is returned also provides hydrocarbon feedstocks to the organic chemical manufacturing facility. "Petrochemical recovered oil" is oil that has been reclaimed from secondary materials, i.e., sludges, byproducts, or spent materials, including wastewater, from normal organic chemical manufacturing operations, as well as oil recovered from organic chemical manufacturing processes.

(19) Spent caustic solutions from petroleum refining liquid treating processes used as a feedstock to produce cresylic or napthenic acid unless the material is placed on the land, or accumulated speculatively as defined in R315-1-1(c), which incorporates by reference 40 CFR 261.1(c).

(b) SOLID WASTES WHICH ARE NOT HAZARDOUS WASTES.

The following solid wastes are not hazardous wastes:

(1) Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered, such as refuse-derived fuel or reused. "Household waste" means any material, including garbage, trash and sanitary wastes in septic tanks, derived from households, including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas. A resource recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing of or otherwise managing hazardous wastes for the purposes of regulation under this subtitle, if the facility:

(i) Receives and burns only

(A) Household waste, from single and multiple dwellings, hotels, motels, and other residential sources and

(B) Solid waste from commercial of industrial sources that does not contain hazardous waste; and

(ii) The facility does not accept hazardous wastes and the owner or operator of the facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are not received at or burned in the facility.

(2) Solid wastes generated by any of the following and which are returned to the soil as fertilizers:

(i) The growing and harvesting of agricultural crops.

(ii) The raising of animals, including animal manures.

(3) Mining overburden returned to the mine site.

(4) Fly ash waste, bottom ash waste, slag waste, and flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels, except as provided by R315-14-7, which incorporates by reference 40 CFR 266.112, for facilities that burn or process hazardous waste.

(5) Drilling fluids, produced waters, and other wastes associated with the exploration, development, or production of crude oil, natural gas or geothermal energy.

(6) The following additional solid wastes:

(i) Wastes which fail the test for the Toxicity Characteristic because chromium is present or are listed in sections R315-2-10 or R315-2-11 due to the presence of chromium, which do not fail the test for the Toxicity Characteristic for any other constituent or are not listed due to the presence of any other constituent, and which do not fail the test for any other characteristic, if it is shown by a waste generator or by waste generators that:

(A) The chromium in the waste is exclusively, or nearly exclusively, trivalent chromium; and

(B) The waste is generated from an industrial process which uses trivalent chromium exclusively, or nearly exclusively, and the process does not generate hexavalent chromium; and

(C) The waste is typically and frequently managed in non-oxidizing environments.

(ii) Specific wastes which meet the standard in paragraphs (b)(6)(i)(A),(B), and (C) of this section, so long as they do not fail the test for the toxicity characteristic for any other constituent, and do not exhibit any other characteristic, are:

(A) Chrome blue trimmings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

(B) Chrome blue shavings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

(C) Buffing dust generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue.

(D) Sewer screenings generated by the following subcategories of the leather tanning and finishing industry: hair/pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

(E) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

(F) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; and through-the-blue.

(G) Waste scrap leather from the leather tanning industry, the shoe manufacturing industry, and other leather product manufacturing industries.

(H) Wastewater treatment sludges from the production of TiO_2 pigment using chromium-bearing ores by the chloride process.

(7) Solid waste from the extraction, beneficiation, and processing of ores and minerals, including coal, phosphate rock, and overburden from the mining of uranium ore, except as provided by R315-14-7, which incorporates by reference 40 CFR 266.112 for facilities that burn or process hazardous waste.

(i) For purposes of R315-2-4(b)(7) beneficiation of ores and minerals is restricted to the following activities; crushing; grinding; washing; dissolution; crystallization; filtration; sorting; sizing; drying; sintering; pelletizing; briquetting; calcining to remove water and/or carbon dioxide; roasting, autoclaving, and/or chlorination in preparation for leaching

(except where the roasting (and/or autoclaving and/or chlorination)/leaching sequence produces a final or intermediate product that does not undergo further beneficiation or processing); gravity concentration; magnetic separation; electrostatic separation; flotation; ion exchange; solvent extraction; electrowinning; precipitation; amalgamation; and heap, dump, vat, tank, and in situ leaching.

(ii) For the purposes of R315-2-4(b)(7), solid waste from the processing of ores and minerals includes only the following wastes as generated:

(A) Slag from primary copper processing;

(B) Slag from primary lead processing;

(C) Red and brown muds from bauxite refining;

(D) Phosphogypsum from phosphoric acid production;

(E) Slag from elemental phosphorus production ;

(F) Gasifier ash from coal gasification;

(G) Process wastewater from coal gasification;

(H) Calcium sulfate wastewater treatment plant sludge from primary copper processing;

(I) Slag tailings from primary copper processing;

(J) Fluorogypsum from hydrofluoric acid production;

(K) Process wastewater from hydrofluoric acid production;

(L) Air pollution control dust/sludge from iron blast furnaces;

(M) Iron blast furnace slag;

(N) Treated residue from roasting/leaching of chrome ore;

(O) Process wastewater from primary magnesium processing by the anhydrous process;

(P) Process wastewater from phosphoric acid production;

(Q) Basic oxygen furnace and open hearth furnace air pollution control dust/sludge from carbon steel production;

(R) Basic oxygen furnace and open hearth furnace slag from carbon steel production;

(S) Chloride process waste solids from titanium tetrachloride production;

(T) Slag from primary zinc processing.

(iii) A residue derived from co-processing mineral processing secondary materials with normal beneficiation raw materials or with normal mineral processing raw materials remains excluded under R315-2-4(b) if the owner or operator:

(A) Processes at least 50 percent by weight normal beneficiation raw materials or normal mineral processing raw materials; and,

(B) Legitimately reclaims the secondary mineral processing materials.

(8) Cement kiln dust waste, except as provided by R315-14-7, which incorporates by reference 40 CFR 266.112, for facilities that burn or process hazardous waste.

(9) Solid waste which consists of discarded arsenical-treated wood or wood products which fails the test for the Toxicity Characteristic for Hazardous Waste Codes D004 through D017 and which is not a hazardous waste for any other reason if the waste is generated by persons who utilize the arsenical-treated wood and wood products for these materials' intended end use.

(10) Petroleum-contaminated media and debris that fail the test for the Toxicity Characteristic (TC) of R315-2-9(g), Hazardous Waste Codes D018 through D043 only, and are subject to the corrective action requirements under R311-202, which incorporates by reference 40 CFR 280.

(11) Injected groundwater that is hazardous only because it exhibits the Toxicity Characteristic, Hazardous Waste Codes D018 through D043 only, in R315-2-9(e) that is reinjected through an underground injection well pursuant to free phase hydrocarbon recovery operations undertaken at petroleum refineries, petroleum marketing terminals, petroleum bulk plants, petroleum pipelines, and petroleum transportation spill sites until January 25, 1993. This extension applies to recovery operations in existence, or for which contracts have been issued, on or before March 25, 1991. For groundwater returned through infiltration galleries from such operations at petroleum refineries, marketing terminals, and bulk plants, until October 2, 1991. New operations involving injection wells, beginning after March 25, 1991, will qualify for this compliance date extension until January 25, 1993, only if:

(i) Operations are performed pursuant to a written state agreement that includes a provision to assess the groundwater and the need for further remediation once the free phase recovery is completed; and

(ii) A copy of the written agreement has been submitted to: Characteristics Section (OS-333), U.S. Environmental Protection Agency, 401 M Street, SW., Washington, DC 20460 and the Division of Solid and Hazardous Waste, Dept. of Environmental Quality, State of Utah, Salt Lake City, UT 84114-4880.

(12) Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration systems that use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use.

(13) Used oil re-refining distillation bottoms that are used as feedstock to manufacture asphalt products.

(14) Non-terne plated used oil filters that are not mixed with wastes listed in R315-2-10(e) and (f) and R315-2-11, which incorporate by reference 40 CFR 261 Subpart D, if these oil filters have been gravity hot-drained using one of the following methods:

(i) Puncturing the filter anti-drain back valve or the filter dome end and hot draining;

(ii) Hot-draining and crushing;

(iii) Dismantling and hot-draining; or

(iv) Any other equivalent hot-draining method that will remove used oil.

(15) Leachate or gas condensate collected from landfills where certain solid wastes have been disposed, provided that:

(i) The solid wastes disposed would meet one or more of the listing descriptions for Hazardous Waste Codes K169, K170, K171, and K172 if these wastes had been generated after the effective date of the listing, February 11, 1999;

(ii) The solid wastes described in paragraph R315-2-4(b)(15)(i) were disposed prior to the effective date of the listing;

(iii) The leachate or gas condensate does not exhibit any characteristic of hazardous waste nor are derived from any other listed hazardous waste;

(iv) Discharge of the leachate or gas condensate, including leachate or gas condensate transferred from the landfill to a

POTW by truck, rail, or dedicated pipe, is subject to regulation under R317-8 of the Utah Water Quality Rules.

(v) After February 13, 2001, leachate or gas condensate will no longer be exempt if it is stored or managed in a surface impoundment prior to discharge, There is one exception: if the surface impoundment is used to temporarily store leachate or gas condensate in response to an emergency situation, e.g., shutdown of wastewater treatment system, provided the impoundment has a double liner, and provided the leachate or gas condensate is removed from the impoundment and continues to be managed in compliance with the conditions of this paragraph after the emergency ends.

(16) The requirements as found in 40 CFR 261.4(b)(18), 2001 ed., are adopted and incorporated by reference with the following exceptions:

(i) Substitute "EPA and the Executive Secretary" for all federal regulation references made to "EPA";

(ii) Substitute "Executive Secretary" for all federal regulation references made to "state of Utah."

(c) HAZARDOUS WASTES WHICH ARE EXEMPTED FROM CERTAIN RULES.

A hazardous waste which is generated in a product or raw material storage tank, a product or raw material transport vehicle or vessel, a product or raw material pipeline, or in a manufacturing process unit or an associated non-waste-treatment-manufacturing unit is not subject to these regulations or to the notification requirements of Section 3010 of RCRA until it exits the unit in which it was generated, unless the unit is a surface impoundment, or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of products or raw materials.

(d) SAMPLES

(1) Except as provided in paragraph (d)(2) of this section, a sample of solid waste or a sample of water, soil, or air, which is collected for the sole purpose of testing to determine its characteristics or compositions, is not subject to any requirements of these rules when:

(i) The sample is being transported to a laboratory for the purpose of testing;

(ii) The sample is being transported back to the sample collector after testing;

(iii) The sample is being stored by the sample collector before transport to a laboratory for testing;

(iv) The sample is being stored in a laboratory before testing;

(v) The sample is being stored in a laboratory after testing but before it is returned to the sample collector; or

(vi) The sample is being stored temporarily in the laboratory after testing for a specific purpose, for example, until conclusion of a court case or enforcement action where further testing of the sample may be necessary.

(2) In order to qualify for the exemption in paragraphs (d)(1)(i) and (ii) of this section, a sample collector shipping samples to a laboratory and a laboratory returning samples to a sample collector shall:

(i) Comply with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS), or any other applicable shipping requirements; or

(ii) Comply with the following requirements if the sample collector determines that DOT, USPS, or other shipping requirements do not apply to the shipment of the sample:

(A) Assure that the following information accompanies the sample:

(1) The sample collector's name, mailing address, and telephone number;

(2) The laboratory's name, mailing address, and telephone number;

(3) The quantity of the sample;

(4) The date of shipment; and

(5) A description of the sample.

(B) Package the sample so that it does not leak, spill, or vaporize from its packaging.

(3) This exemption does not apply if the laboratory determines that the waste is hazardous but the laboratory is no longer meeting any of the conditions stated in paragraph (d)(1) of this section.

(e) TREATABILITY STUDY SAMPLES.

(1) Except as provided in paragraph (e)(2) of this Section, a person who generates or collects samples for the purpose of conducting treatability studies as defined in section R315-1-1, which incorporates by reference the definitions of 40 CFR 260.10, are not subject to any requirement of R315-2, R315-5, and R315-6, or to the notification requirements of Section 3010 of RCRA, nor are these samples included in the quantity determinations of R315-2-5, which incorporates by reference the requirements concerning conditionally exempt small quantity generators of 40 CFR 261.5 and R315-5-3.34, which incorporates by reference the requirements concerning waste accumulation time for generators of 40 CFR 262.34(d) when:

(i) the sample is being collected and prepared for transportation by the generator or sample collector;

(ii) the sample is being accumulated or stored by the generator or sample collector prior to transportation to a laboratory or testing facility; or

(iii) the sample is being transported to the laboratory or testing facility for the purpose of conducting a treatability study.

(2) The exemption in paragraph (e)(1) of this section is applicable to samples of hazardous waste being collected and shipped for the purpose of conducting treatability studies provided that:

(i) The generator or sample collector uses, in "treatability studies," no more than 10,000 kg of media contaminated with non-acute hazardous waste, 1000 kg of non-acute hazardous waste other than contaminated media, 1 kg of acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste for each process being evaluated for each generated waste stream;

(ii) The mass of each sample shipment does not exceed 10,000 kg; the 10,000 kg quantity may be all media contaminated with non-acute hazardous waste, or may include 2500 kg of media contaminated with acute hazardous waste, 1000 kg of hazardous waste, and 1 kg of acute hazardous waste; and

(iii) the sample shall be packaged so that it will not leak, spill, or vaporize from its packaging during shipment and the requirements of paragraph A or B of this subparagraph are met;

(A) the transportation of each sample shipment complies

with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS), or any other applicable shipping requirements; or

(B) if the DOT, USPS, or other shipping requirements do not apply to the shipment of the sample, the following information shall accompany the sample:

(1) the name, mailing address, and telephone number of the originator of the sample;

(2) the name, address, and telephone number of the facility that will perform the treatability study;

(3) the quantity of the sample;

(4) the date of shipment; and

(5) a description of the sample, including its EPA Hazardous Waste Number.

(iv) the sample is shipped to a laboratory or testing facility which is exempt under R315-2-1.3(f) (40 CFR 261.4(f)) or has an appropriate RCRA permit or interim status;

(v) the generator or sample collector maintains the following records for a period ending 3 years after completion of the treatability study:

(A) copies of the shipping documents;

(B) a copy of the contract with the facility conducting the treatability study;

(C) documentation showing:

(1) the amount of waste shipped under this exemption;

(2) the name, address, and EPA identification number of the laboratory or testing facility that received the waste;

(3) the date the shipment was made; and

(4) whether or not unused samples and residues were returned to the generator.

(vi) the generator reports the information required under paragraph (e)(v)(C) of this section in its biennial report.

(3) The Executive Secretary may grant requests on a case-by-case basis for up to an additional two years for treatability studies involving bioremediation. The Executive Secretary may grant requests on a case-by-case basis for quantity limits in excess of those specified in paragraphs (e)(2) (i) and (ii) and (f)(4) of this section, for up to an additional 5000 kg of media contaminated with non-acute hazardous waste, 500 kg of non-acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste and 1 kg of acute hazardous waste:

(i) In response to requests for authorization to ship, store and conduct treatability studies on additional quantities in advance of commencing treatability studies. Factors to be considered in reviewing such requests include the nature of the technology, the type of process, e.g., batch versus continuous, size of the unit undergoing testing, particularly in relation to scale-up considerations, the time/quantity of material required to reach steady state operating conditions, or test design considerations such as mass balance calculations.

(ii) In response to requests for authorization to ship, store and conduct treatability studies on additional quantities after initiation or completion of initial treatability studies, when: There has been an equipment or mechanical failure during the conduct of a treatability study; there is a need to verify the results of a previously conducted treatability study; there is a need to study and analyze alternative techniques within a previously evaluated treatment process; or there is a need to do further evaluation of an ongoing treatability study to determine final specifications for treatment.

(iii) The additional quantities and time frames allowed in paragraph (e)(3) (i) and (ii) of this section are subject to all the provisions in paragraphs (e) (1) and (e)(2) (iii) through (vi) of this section. The generator or sample collector must apply to the Executive Secretary and provide in writing the following information:

(A) The reason why the generator or sample collector requires additional time or quantity of sample for treatability study evaluation and the additional time or quantity needed;

(B) Documentation accounting for all samples of hazardous waste from the waste stream which have been sent for or undergone treatability studies including the date each previous sample from the waste stream was shipped, the quantity of each previous shipment, the laboratory or testing facility to which it was shipped, what treatability study processes were conducted on each sample shipped, and the available results on each treatability study;

(C) A description of the technical modifications or change in specifications which will be evaluated and the expected results;

(D) If such further study is being required due to equipment or mechanical failure, the applicant must include information regarding the reason for the failure or breakdown and also include what procedures or equipment improvements have been made to protect against further breakdowns; and

(E) Such other information that the Executive Secretary considers necessary.

(f) SAMPLES UNDERGOING TREATABILITY STUDIES AT LABORATORIES AND TESTING FACILITIES.

Samples undergoing treatability studies and the laboratory or testing facility that conducts these treatability studies, to the extent these facilities are not otherwise subject to RCRA requirements, are not subject to any requirement of this rule, R315-3 through R315-8, and R315-13, or to the notification requirements of Section 3010 of RCRA provided that the conditions of paragraphs (f)(1) through (11) of this Section are met. A mobile treatment unit (MTU) may qualify as a testing facility subject to paragraphs (f)(1) through (11) of this section. Where a group of MTUs are located at the same site, the limitations specified in (f)(1) through (11) of this section apply to the entire group of MTUs collectively as if the group were one MTU.

(1) No less than 45 days before conducting treatability studies, the facility notifies the Executive Secretary in writing that it intends to conduct treatability studies under this paragraph.

(2) The laboratory or testing facility conducting the treatability study has an EPA identification number.

(3) No more than a total of 10,000 kg of "as received" media contaminated with non-acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste or 250 kg of other "as received" hazardous waste is subject to initiation of treatment in all treatability studies in any single day. "As received" waste refers to the waste as received in the shipment from the generator or sample collector.

(4) The quantity of "as received" hazardous waste stored at the facility for the purpose of evaluation in treatability studies

does not exceed 10,000 kg, the total of which can include 10,000 kg of media contaminated with non-acute hazardous waste, 2500 kg of media contaminated with acute hazardous waste, 1000 kg of non-acute hazardous wastes other than contaminated media, and 1 kg of acute hazardous waste. This quantity limitation does not include treatment materials, including nonhazardous solid waste, added to "as received" hazardous waste.

(5) No more than 90 days have elapsed since the treatability study for the sample was completed, or no more than one year, two years for treatability studies involving bioremediation, have elapsed since the generator or sample collector shipped the sample to the laboratory or testing facility, whichever date first occurs. Up to 500 kg of treated material from a particular waste stream from treatability studies may be archived for future evaluation up to five years from the date of initial receipt. Quantities of materials archived are counted against the total storage limit for the facility.

(6) The treatability study does not involve the placement of hazardous waste on the land or open burning of hazardous waste.

(7) The facility maintains records for three years following completion of each study that show compliance with the treatment rate limits and the storage time and quantity limits. The following specific information shall be included for each treatability study conducted:

(i) the name, address, and EPA identification number of the generator or sample collector of each waste sample;

(ii) the date the shipment was received;

(iii) the quantity of waste accepted;

(iv) the quantity of "as received" waste in storage each day;

(v) the date the treatment study was initiated and the amount of "as received" waste introduced to treatment each day;

(vi) the date the treatability study was concluded; and

(vii) the date any unused sample or residues generated from the treatability study were returned to the generator or sample collector or, if sent to a designated facility, the name of the facility and the EPA identification number.

(8) The facility keeps, on-site, a copy of the treatability study contract and all shipping papers associated with the transport of treatability study samples to and from the facility for a period ending three years from the completion date of each treatability study.

(9) The facility prepares and submits a report to the Executive Secretary by March 15 of each year that estimates the number of studies and the amount of waste expected to be used in treatability studies during the current year, and includes the following information for the previous calendar year:

(i) the name, address, and EPA identification number of the facility conducting the treatability studies;

(ii) the types, by process, of treatability studies conducted;

(iii) the names and addresses of persons for whom studies have been conducted, including their EPA identification numbers;

(iv) the total quantity of waste in storage each day;

(v) the quantity and types of waste subjected to treatability studies;

(vi) when each treatability study was conducted; and

(vii) the final disposition of residues and unused sample from each treatability study.

(10) The facility determines whether any unused sample or residues generated by the treatability study are hazardous waste under R315-2-3 and, if so, are subject to R315-2 through R315-8, and R315-13, unless the residues and unused samples are returned to the sample originator under the exemption of paragraph (e) of this section.

(11) The facility notifies the Executive Secretary by letter when the facility is no longer planning to conduct any treatability studies at the site.

(g) DREDGED MATERIAL THAT IS NOT A HAZARDOUS WASTE.

Dredged material that is subject to the requirements of a permit that has been issued under 404 of the Federal Water Pollution Control Act (33 U.S.C. 1344) or section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1413) is not a hazardous waste. For this paragraph (g), the following definitions apply:

(1) The term dredged material has the same meaning as defined in 40 CFR 232.2;

(2) The term permit means:

(i) A permit issued by the U.S. Army Corps of Engineers (Corps) or the Utah State Division of Water Quality;

(ii) A permit issued by the Corps under section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1413); or

(iii) In the case of Corps civil works projects, the administrative equivalent of the permits referred to in paragraphs R315-2-4(g)(2)(i) and (ii), as provided for in Corps regulations.

R315-2-5. Special Requirements for Hazardous Waste Generated by Conditionally Exempt Small Quantity Generators.

The requirements of 40 CFR 261.5, 1996 ed., are adopted and incorporated by reference.

R315-2-6. Requirements for Recyclable Materials.

The requirements of 40 CFR 261.6, 1998 ed., as amended by 63 FR 42110, August 6, 1998, are adopted and incorporated by reference within this rule, except for the following changes:

(a) Paragraph 40 CFR 261.6(a)(5) shall be amended to read as follows:

Hazardous waste as identified in 40 CFR 262.80(a) that is exported to or imported from designated member countries of the Organization for Economic Cooperation and Development (OECD) (as defined in Section 262.58(a)(1)) for purpose of recovery is subject to the requirements of 40 CFR part 262, subpart H, if it is subject to either the Federal manifesting requirements of 40 CFR Part 262, to the universal waste management standards of 40 CFR Part 273, or to State requirements analogous to 40 CFR Part 273.

R315-2-7. Residues of Hazardous Waste in Empty Containers.

(a)(1) Any hazardous waste remaining in either

(i) an empty container, or

(ii) an empty inner liner removed from a container, as

defined in paragraph (b) of this section, is not subject to regulation under R315-2 through R315-13.

(2) Any hazardous waste in either:

(i) a container that is not empty, or

(ii) an inner liner removed from a container that is not empty, as defined in paragraph (b) of this section, is subject to regulation under R315-2 through R315-13.

(b)(1) A container or an inner liner removed from a container that has held any hazardous waste, except a waste that is a compressed gas or that is identified as acute hazardous waste listed in sections R315-2-10 or R315-2-11 is empty if:

(i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating; and

(ii) No more than 2.5 centimeters, one inch, of residue remains on the bottom of the container or inner liner; or

(iii)(A) No more than three percent by weight of the total capacity of the container remains in the container or inner liner if the container is less than or equal to 110 gallons in size, or

(B) No more than 0.3 percent by weight of the total capacity of the container remains in the container or inner liner if the container is greater than 110 gallons in size.

(2) A container that has held a hazardous waste that is a compressed gas is empty when the pressure in the container approaches atmospheric.

(3) A container or an inner liner removed from a container that has held an acute hazardous waste listed in sections R315-2-10 or R315-2-11 is empty if:

(i) The container or inner liner has been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate;

(ii) The container or inner liner has been cleaned by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or

(iii) In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container, has been removed.

R315-2-8. PCB Wastes Regulated under the Toxic Substance Control Act, 42 U.S.C. et seq.

The disposal of PCB-containing dielectric fluid and electric equipment containing such fluid authorized for use and regulated under part 761 40 CFR and that are hazardous only because they fail the test for the Toxicity Characteristic, hazardous codes D018 through D043 only, are exempt from regulation under R315-2 through R315-50 and the notification requirements of section 3010 of RCRA.

R315-2-9. Characteristics of Hazardous Waste.

(a) GENERAL.

(1) A solid waste, as defined in section R315-2-2, which is not excluded from regulation as a hazardous waste under R315-2-4(b), is a hazardous waste if it exhibits any of the characteristics identified in this section.

(2) A hazardous waste which is identified by a characteristic in this section, is assigned every EPA Hazardous Waste Number that is applicable as set forth in this section. This number shall be used in complying with the notification requirements of section 3010 of RCRA and all applicable recordkeeping and reporting requirements under R315-3 through R315-8, and R315-13.

(3) For purposes of this section, the Executive Secretary will consider a sample obtained using any of the applicable sampling methods specified in R315-50-6, or an equivalent method, to be a representative sample.

(b) CRITERIA FOR IDENTIFYING THE CHARACTERISTICS OF HAZARDOUS WASTE.

(1) The Board shall identify and define a characteristic of hazardous waste in this section only upon determining that:

(i) A solid waste that exhibits the characteristic may:

(A) Cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or

(B) Pose a substantial present or potential hazard to human health or the environment when it is improperly treated, stored, transported, disposed of or otherwise managed; and

(ii) The characteristic can be:

(A) Measured by an available standardized test method which is reasonably within the capability of generators of solid waste or private sector laboratories that are available to serve generators of solid waste; or

(B) Reasonably detected by generators of solid waste through their knowledge of their waste.

(c) CRITERIA FOR LISTING HAZARDOUS WASTE.

(1) The Board shall list a solid waste as a hazardous waste only upon determining that the solid waste meets one of the following criteria:

(i) It exhibits any of the characteristics of hazardous waste identified in this section.

(ii) It has been found to be fatal to humans in low doses, or, in the absence of data on human toxicity, it has been shown in studies to have an oral LD 50 toxicity, rat, of less than 50 milligrams per kilogram, an inhalation LC 50 toxicity, rat, of less than 50 milligrams per liter, or a dermal LD 50 toxicity, rabbit, of less than 200 milligrams per kilogram or is otherwise capable of causing or significantly contributing to an increase in serious irreversible, or incapacitating reversible illness. Waste listed in accordance with these criteria will be designated Acute Hazardous Waste.

(iii) It contains any of the toxic constituents listed in R315-50-10 and, after considering the following factors, the Board concludes that the waste is capable of posing a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed of, or otherwise managed:

(A) The nature of the toxicity presented by the constituent.

(B) The concentration of the constituent in the waste.

(C) The potential of the constituent or any toxic degradation product of the constituent to migrate from the waste into the environment under the types of improper management considered in paragraph (c)(1)(iii)(G) of this section.

(D) The persistence of the constituent or any toxic degradation product of the constituent.

(E) The potential for the constituent or any toxic degradation product of the constituent to degrade into non-

harmful constituents and the rate of degradation.

(F) The degree to which the constituent or any degradation product of the constituent bioaccumulates in ecosystems.

(G) The plausible types of improper management to which the waste could be subjected.

(H) The quantities of the waste generated at individual generation sites or on a regional or national basis.

(I) The nature and severity of the human health and environmental damage that has occurred as a result of the improper management of wastes containing the constituent.

(J) Action taken by other governmental agencies or regulatory programs based on the health or environmental hazard posed by the waste or waste constituent.

(K) Other factors as may be appropriate.

Substances will be listed on R315-50-10 only if they have been shown in scientific studies to have toxic, carcinogenic, mutagenic or teratogenic effects on humans or other life forms. Wastes listed in accordance with these criteria will be designated Toxic wastes.

(2) The Board may list classes or types of solid waste as hazardous waste if they have reason to believe that individual wastes, within the class or type of waste, typically or frequently are hazardous under the definition of hazardous waste found in Section 19-6-102 of the Utah Solid and Hazardous Waste Act.

(3) The Board will use the criteria for listing specified in this section to establish the exclusion limits referred to in 40 CFR 261.5(c). R315-2-5 incorporates by reference the requirements of 40 CFR 261.5 concerning conditionally exempt small quantity generators.

(d) CHARACTERISTIC OF IGNITABILITY

(1) A solid waste exhibits the characteristic of ignitability if a representative sample of the waste has any of the following properties:

(i) It is a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume, and has a flash point less than 60 degrees C, 140 degrees F, as determined by a Pensky-Martens Closed Cup Tester, using the test method specified in ASTM Standard D-93-79, or D-93-80, incorporated by reference, see section R315-1-2, or a Setaflash Closed Cup Tester, using the test method specified in ASTM Standard D-3278-78, incorporated by reference, see section R315-1-2, or as determined by an equivalent test method approved under the procedures set forth in section R315-2-15.

(ii) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.

(iii) It is an ignitable "compressed gas" as defined in 49 CFR 173.300(a), 1990 ed., which is adopted and incorporated by reference, and as determined by the test methods described in that regulation or equivalent test methods approved under section R315-2-15.

(iv) It is an "oxidizer" as defined in 49 CFR 173.151, 1990 ed., which is adopted and incorporated by reference.

(2) A solid waste that exhibits the characteristic of ignitability has the EPA Hazardous Waste Number of D001.

(e) CHARACTERISTIC OF CORROSIVITY

(1) A solid waste exhibits the characteristic of corrosivity if a representative sample of the waste has either of the following properties:

(i) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, as determined by a pH meter using Method 9040 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(ii) It is a liquid and corrodes steel, SAE 1020, at a rate greater than 6.35 mm, 0.250 inch, per year at a test temperature of 55 degrees C, 130 degrees F, as determined by the test method specified in NACE, National Association of Corrosion Engineers Standard TM-01-69 as standardized in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(2) A solid waste that exhibits the characteristic of corrosivity has the EPA Hazardous Waste Number of D002.

(f) CHARACTERISTIC OF REACTIVITY

(1) A solid waste exhibits the characteristic of reactivity if a representative sample of the waste has any of the following properties:

(i) It is normally unstable and readily undergoes violent change without detonating.

(ii) It reacts violently with water.

(iii) It forms potentially explosive mixtures with water.

(iv) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.

(v) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.

(vi) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement.

(vii) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.

(viii) It is a "forbidden explosive" as defined in 49 CFR 173.5 ed., or a "Class 1 explosive" as defined in 49 CFR 173.50(b)(1), (2), or (3), which are incorporated by reference.

(2) A solid waste that exhibits the characteristic of reactivity has the EPA Hazardous Waste Number of D003.

(g) TOXICITY CHARACTERISTIC

(1) A solid waste exhibits the characteristic of toxicity if, using the Toxicity Characteristic Leaching Procedure, test Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2, the extract from a representative sample of the waste contains any of the contaminants listed in Table 1 of 40 CFR 261.24 at a concentration equal to or greater than the respective value given in that Table. Where the waste contains less than 0.5 percent filterable solids, the waste itself, after filtering using the methodology outlined in Method 1311, is considered to be the extract for the purposes of this paragraph.

(2) A solid waste that exhibits the characteristic of toxicity has the EPA Hazardous Waste Number specified in Table 1 of 40 CFR 261.24, which corresponds to the toxic contaminant causing it to be hazardous. Table 1 of 40 CFR 261.24, 1990

ed., is adopted and incorporated by reference.

R315-2-10. Lists of Hazardous Wastes.

(a) A solid waste is a hazardous waste if it is listed in this section or R315-2-11, unless it has been excluded from this list under section R315-2-16.

(b) The Board will indicate the basis for listing the classes or types of wastes listed in this section and R315-2-11 by employing one or more of the following Hazard Codes:

Ignitable Waste: (I)

Corrosive Waste: (C)

Reactive Waste: (R)

Toxicity Characteristic Waste: (E)

Acute Hazardous Waste: (H)

Toxic Waste: (T)

R315-50-9, which incorporates by reference 40 CFR 261, Appendix VII, identifies the constituent which caused the Board to list the waste as a Toxicity Characteristic Waste (E) or Toxic Waste (T) in this section and R315-2-11.

(c) Each hazardous waste listed in this section and R315-2-11, is assigned an EPA Hazardous Waste Number which precedes the name of the waste. This number shall be used to comply with these rules where description and identification of a hazardous waste is required.

(d) The following hazardous wastes listed in this section are subject to the exclusion limits for acutely hazardous wastes established in R315-2-4:

EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.

(e) The listing of hazardous wastes from non-specific sources found in 40 CFR 261.31, 2000 ed., is adopted and incorporated by reference with the following additional waste:

(1) F999 - Residues from demilitarization, treatment, and testing of nerve, military, and chemical agents CX, GA, GB, GD, H, HD, HL, HN-1, HN-2, HN-3, HT, L, T, and VX. (R,T,C,H)

(f) The listing of hazardous wastes from specific sources found in 40 CFR 261.32, 2000 ed., is adopted and incorporated by reference.

R315-2-11. Discarded Commercial Chemical Products, Off-Specification Species, Container Residues, and Spill Residues Thereof.

The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in R315-2-11" refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in paragraphs (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33. Where a manufacturing process waste is deemed to be hazardous waste because it contains a substance listed in paragraphs (e) or (f) of this section, that waste will be listed in Section R315-2-10, which incorporates the lists of hazardous wastes in 40 CFR 261.31 and 261.32, or will be identified as a hazardous waste by the characteristics set forth in Section R315-2-9.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in Subsection R315-2-2(a)(2)(i), when they are mixed with waste oil or used oil or other material and applied to the land for dust suppression or road treatment, when they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to the land in lieu of their original intended use, or when, in lieu of their original intended use, they are produced for use as, or a component of a fuel, distributed for use as a fuel, or burned as a fuel.

(a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33.

(b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraphs (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33.

(c) Any residue remaining in a container or in an inner liner removed from a container that has held any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33, unless the container is empty as defined in R315-2-7(b). Unless the residue is being beneficially used or reused, or legitimately recycled or reclaimed; or being accumulated, stored, transported or treated prior to such use, re-use, recycling or reclamation, the Board considers the residue to be intended for discard and thus, a hazardous waste. An example of a legitimate re-use of the residue would be where the residue remains in the container and the container is used to hold the same commercial chemical product or manufacturing chemical intermediate it previously held. An example of the discard of the residue would be where the drum is sent to a drum reconditioner who reconditions the drum but discards the residue.

(d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a discharge, into or on any land or water, of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33, or any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water, of any off-specification chemical product and manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraph (e) or (f) of this section, which incorporate by reference, respectively, the lists of acute hazardous wastes and hazardous wastes in 40 CFR 261.33. Unless the residue is being beneficially used or reused, or legitimately recycled or reclaimed; or being accumulated,

stored, transported or treated prior to such use, re-use, recycling or reclamation, the Board considers the residue to be intended for discard, and thus a hazardous waste. An example of a legitimate re-use of the residue would be where the residue remains in the container and the container is used to hold the same commercial chemical product or manufacturing chemical product or manufacturing chemical intermediate it previously held. An example of the discard of the residue would be where the drum is sent to the drum reconditioner who reconditions the drum but discards the residue.

(e) The listing of chemicals, found in 40 CFR 261.33(e), 1997 ed., is adopted and incorporated by reference, with the addition of the following waste:

(1) P999 Nerve, Military, and Chemical Agents (i.e., CX, GA, GB, GD, H, HD, HL, HN-1, HN-2, HN-3, HT, L, T, and VX.)

(f) The listing of chemicals, found in 40 CFR 261.33(f), 1998 ed., is adopted and incorporated by reference.

R315-2-12. Inspections.

Any duly authorized officer, employee or representative of the Department or the Board may, at any reasonable time and upon presentation of appropriate credentials and upon providing the opportunity to have a representative of the owner, operator, or agent in charge to be present, enter upon and inspect any property, premise, or place on or at which hazardous wastes are generated, transported, stored, treated or disposed of, and may have access to and the right to copy any records relating to these wastes for the purpose of ascertaining the compliance with R315-1 through R315-101. Those persons referred to in this section may also inspect any waste and obtain samples thereof, including samples from any vehicle in which wastes are being transported or samples of any containers or labels. Any person obtaining samples shall give to the owner, operator or agent a receipt describing the sample obtained and, if requested, a portion of each sample of waste equal in volume or weight to the portion retained. If any analysis is made of those samples, a copy of the results of that analysis shall be furnished promptly to the owner, operator, or agent in charge.

R315-2-13. Variances Authorized.

(a) Variances will be granted by the Board only to the extent allowed under Federal law.

(b) The Board may consider a variance request in accordance with the statutory standard of 19-6-111. No variance shall be granted except upon application for it. Immediately upon receipt of an application for a variance, the Board shall give public notice of the application and provide for an opportunity for a public hearing. A variance granted for more than one year shall contain a timetable for coming into compliance with these regulations and shall be conditioned on adherence to that timetable.

(c) Any variance granted under this section may be renewed on terms and conditions and for periods which would be appropriate for the initial granting of a variance. No renewal shall be granted except on application for it. Immediately upon receipt of an application for renewal, the Board shall give public notice of the application and provide for an opportunity for a public hearing.

(d) The Board may, at its own instance, review any variance granted during the term for which a variance was granted. The procedure for this review shall be the same as that for an original application and the variance previously granted may be revoked upon a finding that the conditions and the terms upon which the variance was granted are not being met.

(e) Any variance or renewal shall exist at the discretion of the Board and shall not constitute a right of the applicant or holder. However, any person adversely affected by the granting, denial or revocation of any variance or renewal by the Board may obtain judicial review of the Board's decision by filing a petition in District Court within 30 days from the date of notification of the decision.

R315-2-14. Violations, Orders, and Hearings.

(a) Whenever the Board or its duly appointed representative, as expressly delegated by the Board, determines that any person is in violation of any applicable approved hazardous waste operation plan or the requirements of R315-1 through R315-101, the Board or its duly appointed representative may cause written notice of that violation to be served upon the alleged violators. That notice shall specify the provisions of the plan, the rules alleged to have been violated, and the facts alleged to constitute the violation. The Board or its duly appointed representative may issue an order that necessary corrective action be taken within a reasonable time or may request the attorney general or the county attorney in the county in which the violation takes place to bring a civil action for injunctive relief and enforcement of R315-1 through R315-101.

(b) Any order issued pursuant to 19-6-112 and R315-2-14(a) shall become final unless, within 30 days after the order is served, the persons specified therein request a hearing. The request shall:

(1) be in writing;

(2) be addressed to the Executive Secretary;

(3) include the order number;

(4) state the facts;

(5) state the relief sought; and

(6) state the reasons the relief requested should be granted.

(c) Utah Administrative Procedures Act, 63-46b, and R315-12, shall govern the conduct of hearings before the Board.

R315-2-15. Petitions for Equivalent Testing or Analytical Methods.

(a) Any person seeking to add a testing or analytical method to R315-2, R315-7, R315-8, or R315-50, which incorporates the testing and analytical methods of 40 CFR 261, may petition for a regulatory amendment under this section and R315-2-17. To be successful, the person shall demonstrate to the satisfaction of the Board that the proposed method is equal to or superior to the corresponding method prescribed in R315-2, R315-7, R315-8, or R315-50, in terms of its sensitivity, accuracy, and precision, i.e., reproducibility.

(b) Each petition shall include:

(1) The petitioner's name and address;

(2) A statement of the petitioner's interest in the proposed action;

(3) A description of the proposed action, including, where

appropriate, suggested regulatory language;

(4) A statement of the need and justification for the proposed action, including any supporting tests, studies, or other information;

(5) A full description of the proposed method, including all procedural steps and equipment used in the method;

(6) A description of the types of wastes or waste matrices for which the proposed method may be used;

(7) Comparative results obtained from using the proposed method with those obtained from using the relevant or corresponding methods prescribed in R315-2, R315-7, R315-8, and R315-50;

(8) An assessment of any factors which may interfere with, or limit the use of, the proposed method; and

(9) A description of the quality control procedures necessary to ensure the sensitivity, accuracy, and precision of the proposed method.

(c) After receiving a petition for an equivalent method, the Board may request any additional information on the proposed method which it may reasonably require to evaluate the method.

(d) The Board will consider any petitions in accordance with rulemaking procedures outlined in Section 63-46a-12.

(e) Petitioner may, alternatively, proceed under the provisions of 40 CFR 260.21 to have an alternative analytical method approved by EPA. In the event approval is granted, the petitioner shall so notify the Board and the decision of EPA will be binding upon the Board.

R315-2-16. Petitions to Amend This Rule to Exclude a Waste Produced at a Particular Facility.

(a) The requirements of 40 CFR 260.22, 1993 ed., as amended by 58 FR 46040, August 31, 1993, regarding petitions to exclude a waste are adopted and incorporated by reference with the following amendments:

(1) Substitute "Board" for "Administrator;"

(2) Include the following paragraphs:

(i) The Board will consider any petitions in accordance with rulemaking procedures outlined in Title 63, Chapter 46a, and in accordance with the procedures outlined in the Utah Administrative Procedures Act, Title 63, Chapter 46b, and Rule R315-12.

(ii) Petitioner may, alternatively, proceed under the provisions of 40 CFR 260.22 to have a particular waste delisted by EPA. In the event delisting is granted, the petitioner shall so notify the Board and the decision of EPA will be binding upon the Board unless, within 30 days after such notification, the Board specifically overrules the decision of EPA. In such event, the petitioner may petition the Board directly under this section for the relief sought.

R315-2-17. Petition to Amend Rules.

(a) It is the intent of the Board to insure the compatibility and equivalency of R315-1 through R315-101 with the regulations promulgated by EPA under the Resource Conservation and Recovery Act of 1976.

(b) Any person may petition the Board to modify or revoke any provision in R315-1 through R315-16, R315-50, R315-101, and R315-102. A petition shall be considered under the procedures outlined in 63-46a-12 and R15-2.

R315-2-18. Variances from Classification as a Solid Waste.

The variances from classification as a solid waste of 40 CFR 260.30, 1994 ed., as amended by 59 FR 47982, September 19, 1994, are adopted and incorporated by reference with the following amendment:

Substitute "Board" for "Regional Administrator."

R315-2-19. Standards and Criteria for Variances from Classification as a Solid Waste.

(a) The standards and criteria for variances from classification as a solid waste found in 40 CFR 260.31, 1994 ed., as amended by 59 FR 47982, September 19, 1994, are adopted and incorporated by reference with the following amendment:

(1) Substitute "Board" for "Regional Administrator."

R315-2-20. Variance to be Classified as a Boiler.

The provision for a variance to be classified as a boiler as found in 40 CFR 260.32, 1994 ed., as amended by 59 FR 47982, September 19, 1994, is adopted and incorporated by reference with the following amendment:

Substitute "Board" for "Regional Administrator."

R315-2-21. Procedures for Variances from Classification as a Solid Waste or to be Classified as a Boiler.

The procedures for variances from classification as a solid waste or boiler of 40 CFR 260.33, ed., as amended by 59 FR 47982, September 19, 1994, are adopted and incorporated by reference with the following amendment:

Substitute "Board" for "Regional Administrator."

R315-2-22. Additional Regulation of Certain Hazardous Waste Recycling Activities on a Case-by-Case Basis.

The provision regarding the regulation of certain hazardous waste recycling activities of 40 CFR 260.40, 1990 ed., is adopted and incorporated by reference with the following amendment:

Substitute "Executive Secretary" for "Regional Administrator."

R315-2-23. Procedures for Case-by-Case Regulation of Hazardous Waste Recycling Activities.

The Executive Secretary shall use the following procedures when determining whether to regulate hazardous waste recycling activities described in R315-2-6, which incorporates by reference the requirements of 40 CFR 261.6 regarding recyclable materials, under the provisions of 40 CFR 261.6 (b) and (c), rather than under the provisions of 40 CFR 266.70 concerning precious metals recovery.

(a) If a generator is accumulating the waste, the Executive Secretary will issue a notice setting forth the factual basis for the decision and stating that the person must comply with the applicable requirements of R315-5. The notice will become final within 30 days, unless the person served requests a public hearing before the Board to challenge the decision. Upon receiving such a request, the Board will hold a hearing. The Board will provide notice of the hearing to the public and allow public participation at the hearing. The Board will issue a final order after the hearing stating whether or not compliance with

R315-5 is required. The order becomes effective 30 days after service of the decision unless the Board specifies a later date.

(b) If the person is accumulating the recyclable material as a storage facility, the notice will state that the person must obtain a hazardous waste operation permit in accordance with all applicable provisions of R315-3. The owner or operator of the facility must apply for a hazardous waste operation plan approval within no less than 60 days and no more than six months of notice, as specified in the notice. If the owner or operator of the facility wishes to challenge the Board's decision, he may do so in his hazardous waste operation plan, in a public hearing held on the draft plan approval, or in comments filed on the draft hazardous waste operation plan approval, or on the notice of intent to deny the hazardous waste operation plan. The fact sheet accompanying the hazardous waste operation plan approval will specify the reasons for the Board's determination. The question of whether the Board's decision was proper will remain open for consideration during the public comment period discussed under R315-4-1.11 and in any subsequent hearing.

R315-2-24. Deletion of Certain Hazardous Waste Codes Following Equipment Cleaning and Replacement.

(a) Wastes from wood preserving processes at plants that do not resume or initiate use of chlorophenolic preservatives will not meet the listing definition of F032 once the generator has met all of the requirements of paragraphs (b) and (c) of this section. These wastes may, however, continue to meet another hazardous waste listing description or may exhibit one or more of the hazardous waste characteristics.

(b) Generators must either clean or replace all process equipment that may have come into contact with chlorophenolic formulations or constituents thereof, including, but not limited to, treatment cylinders, sumps, tanks, piping systems, drip pads, fork lifts, and trams, in a manner that minimizes or eliminates the escape of hazardous waste or constituents, leachate, contaminated drippage, or hazardous waste decomposition products to the ground water, surface water, or atmosphere.

(1) Generators shall do one of the following:

(i) Prepare and follow an equipment cleaning plan and clean equipment in accordance with this section;

(ii) Prepare and follow an equipment replacement plan and replace equipment in accordance with this section; or

(iii) Document cleaning and replacement in accordance with this section, carried out after termination of use of chlorophenolic preservations.

(2) Cleaning Requirements.

(i) Prepare and sign a written equipment cleaning plan that describes:

(A) The equipment to be cleaned;

(B) How the equipment will be cleaned;

(C) The solvent to be used in cleaning;

(D) How solvent rinses will be tested; and

(E) How cleaning residues will be disposed.

(ii) Equipment must be cleaned as follows:

(A) Remove all visible residues from process equipment;

(B) Rinse process equipment with an appropriate solvent until dioxins and dibenzofurans are not detected in the final solvent rinse.

(iii) Analytical requirements.

(A) Rinses must be tested in accordance with SW-846, Method 8290.

(B) "Not detected" means at or below the lower method calibration limit (MCL) in Method 8290, Table 1.

(iv) The generator must manage all residues from the cleaning process as F032 waste.

(3) Replacement requirements.

(i) Prepare and sign a written equipment replacement plan that describes:

(A) The equipment to be replaced;

(B) How the equipment will be replaced; and

(C) How the equipment will be disposed.

(ii) The generator must manage the discarded equipment as F032 waste.

(4) Documentation requirements.

(i) Document that previous equipment cleaning and/or replacement was performed in accordance with this section and occurred after cessation of use of chlorophenolic preservatives.

(c) The generator must maintain the following records documenting the cleaning and replacement as part of the facility's operating record:

(1) The name and address of the facility;

(2) Formulations previously used and the date on which their use ceased in each process at the plant;

(3) Formulations currently used in each process at the plant;

(4) The equipment cleaning or replacement plan;

(5) The name and address of any persons who conducted the cleaning and replacement;

(6) The dates on which cleaning and replacement were accomplished;

(7) The dates of sampling and testing;

(8) A description of the sample handling and preparation techniques, including techniques used for extraction, containerization, preservation, and chain-of-custody of the samples;

(9) A description of the tests performed, the date the tests were performed, and the results of the tests;

(10) The name and model numbers of the instrument(s) used in performing the tests;

(11) QA/QC documentation; and

(12) The following statement signed by the generator or his authorized representative:

I certify under penalty of law that all process equipment required to be cleaned or replaced under 40 CFR 261.35 was cleaned or replaced as represented in the equipment cleaning and replacement plan and accompanying documentation. I am aware that there are significant penalties for providing false information, including the possibility of fine or imprisonment.

R315-2-25. Requirements for Universal Waste.

The wastes listed in this section are exempt from regulation under R315-3 through R315-14 of these rules except as specified in section R315-16 of these rules and, therefore are not fully regulated as hazardous waste. The wastes listed in this section are subject to regulation under R315-16:

(a) Batteries as described in R315-16-1.2;

(b) Pesticides as described in R315-16-1.3;

(c) Mercury thermostats as described in R315-16-1.4; and

(d) Mercury lamps as described in R315-16-1.6.

R315-2-26. Comparable/Syngas Fuel Exclusion.

The requirements of 40 CFR 261.38, 2000 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for all references made to "Director".

KEY: hazardous waste
September 4, 2001 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-3. Application and Permit Procedures for Hazardous Waste Treatment, Storage, and Disposal Facilities.
R315-3-1. General Information.

1.1 PURPOSE AND SCOPE OF THESE REGULATIONS

(a) No person shall own, construct, modify, or operate any facility for the purpose of treating, storing, or disposing of hazardous waste without first submitting, and receiving the approval of the Executive Secretary for, a hazardous waste permit for that facility. However, any person owning or operating a facility on or before November 19, 1980, who has given timely notification as required by section 3010 of the Resource Conservation and Recovery Act (RCRA) of 1976, 42 U.S.C., section 6921, et seq., and who has submitted a proposed hazardous waste permit pursuant to this section and section 19-6-108 for that facility, may continue to operate that facility without violating this section until the time as the permit is approved or disapproved pursuant to this section.

(b) The Executive Secretary shall review each proposed hazardous waste permit application to determine whether the application will be in accord with the provisions of these rules and section 19-6-108 and, on that basis, shall approve or disapprove the application within the applicable time period specified in section 19-6-108. If, after the receipt of plans, specifications, or other information required under this section and section 19-6-108 and within the applicable time period of section 19-6-108, the Executive Secretary determines that the proposed construction, installation or establishment or any part of it will not be in accord with the requirements of this section or the applicable rules, he shall issue an order prohibiting the construction, installation or establishment of the proposal in whole or in part. The date of submission shall be deemed to be the date of all required information is provided to the Executive Secretary as required by these rules.

(c) Any permit application which does not meet the requirements of these rules shall be disapproved within the applicable time period specified in section 19-6-108. If within the applicable time period specified in section 19-6-108 the Executive Secretary fails to approve or disapprove the permit application or to request the submission of any additional information or modification to the application, the application shall not be deemed approved but the applicant may petition the Executive Secretary for a decision or seek judicial relief requiring a decision of approval or disapproval.

(d) An application for approval of a hazardous waste permit consists of two parts, part A and part B. For an existing facility, the requirement is satisfied by submitting only part A of the application until the date the Executive Secretary sets for each individual facility for submitting part B of the application, which date shall be in no case less than six months after the Executive Secretary gives notice to a particular facility that it shall submit part B of the application.

(e) Owners and operators of hazardous waste management units shall have permits during the active life, including the closure period, of the unit. Owners and operators of surface impoundments, landfills, land treatment units, and waste pile units that received waste after July 26, 1982, or that certified closure, according to R315-7-14, which incorporates by reference 40 CFR 265.115, after January 26, 1983, shall have post-closure permits, unless they demonstrate closure by removal or decontamination as provided under R315-3-1.1(e)(5) and (6), or obtain an enforceable document in lieu of a post-closure permit, as provided under R315-3-1.1(e)(7). If a post-closure permit is required, the permit shall address applicable R315-8 groundwater monitoring, unsaturated zone monitoring, corrective action, and post-closure care requirements of R315. The denial of a permit for the active life of a hazardous waste management facility or unit does not affect the requirement to obtain a post-closure permit under R315-3-1.1.

(1) Specific inclusions. Owners or operators of certain facilities require hazardous waste permits as well as permits under other environmental programs for certain aspects of facility operation. Hazardous waste permits are required for:

(i) Injection wells that dispose of hazardous waste, and associated surface facilities that treat, store, or dispose of hazardous waste. However, the owner or operator with a State or Federal UIC permit will be deemed to have a "permit by rule" if they comply with requirements of R315-3-6.1(a).

(ii) Treatment, storage, and disposal of hazardous waste at facilities requiring and NPDES permit. However, the owner or operator of a publicly owned treatment works receiving hazardous waste will be deemed to have a "permit by rule" if they comply with provisions of R315-3-6.1(b).

(2) Specific exclusions. The following persons are among those who are not required to obtain a permit:

(i) Generators who accumulate hazardous waste on-site for less than the time periods as provided in R315-5-3.34, which incorporates the requirements of 40 CFR 262.34.

(ii) Farmers who dispose of hazardous waste pesticides from their own use as provided in R315-5-7.

(iii) Persons who own or operate facilities solely for the treatment, storage, or disposal of hazardous waste excluded from regulations under R315-2-5, small quantity generator exemption.

(iv) Owners or operators of totally enclosed treatment facilities as defined in 40 CFR 260.10, which is incorporated by reference in R315-1-1.

(v) Owners of operators of elementary neutralization units or wastewater treatment units as defined in 40 CFR 260.10, which is incorporated by reference in R315-1-1.

(vi) Transporters storing manifested shipments of hazardous waste in containers meeting the requirements of R315-5-3.32(b) at a transfer facility for a period of ten days or less.

(vii) Persons adding absorbent material to waste in a container, as defined in 40 CFR 260.10, which is incorporated by reference in R315-1, and persons adding waste to absorbent material in a container, provided that these actions occur at the time waste is first placed in the container, and R315-8-2.8(b), R315-8-9.2, and R315-8-9.3 are complied with.

(viii) Universal waste handlers and universal waste transporters (as defined in R315-16-1.7) managing the wastes listed below. These handlers are subject to regulation under R315-16.

(A) Batteries as described in R315-16-1.2;

(B) Pesticides as described in R315-16-1.3;

(C) Thermostats as described in R315-16-1.4; and

(D) Mercury lamps as described in R315-16-1.6.

(3) Further exclusions.

(i) A person is not required to obtain a permit for treatment or containment activities taken during immediate response to any of the following situations;

(A) Discharge of a hazardous waste;

(B) An imminent and substantial threat of a discharge of hazardous waste.

(C) A discharge of a material which, when discharged, becomes a hazardous waste.

(ii) Any person who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of this part for those activities.

(4) Permits for less than an entire facility. The Executive Secretary may issue or deny a permit for one or more units at a facility without simultaneously issuing or denying a permit to all units at the facility. The interim status of any unit for which a permit has not been issued or denied is not affected by the issuance or denial of a permit to any other unit at the facility.

(5) Closure by removal. Owners or operators of surface impoundments, land treatment units, and waste piles closing by removal or decontamination under R315-7 standards shall obtain a post-closure permit unless they can demonstrate to the Executive Secretary that the closure met the standards for closure by removal or decontamination in R315-8-11.5, R315-8-13.8, or R315-8-12.6, respectively. The demonstration may be made in the following ways:

(i) If the owner or operator has submitted a part B application for a post-closure permit, the owner or operator may request a determination, based on information contained in the application, that R315-8 closure by removal standards were met. If the Executive Secretary believes that R315-8 standards were met, he will notify the public of this proposed decision, allow for public comment, and reach a final determination according to the procedures in R315-3-1.1(e)(6);

(ii) If the owner or operator has not submitted a part B permit application for a post-closure permit, the owner or operator may petition the Executive Secretary for a determination that a post-closure permit is not required because the closure met the applicable R315-8 closure standards;

(A) The petition shall include data demonstrating that closure by the removal or decontamination standards of R315-8 were met.

(B) The Executive Secretary shall approve or deny the petition according to the procedures outlined in R315-3-1.1(e)(6).

(6) Procedures for Closure Equivalency Determination.

(i) If a facility owner or operator seeks an equivalency demonstration under R315-3-1.1(e)(5), the Executive Secretary will provide the public, through a newspaper notice, the opportunity to submit written comments on the information submitted by the owner or operator within 30 days from the date of the notice. The Executive Secretary will also, in response to a request or at his own discretion, hold a public hearing whenever a hearing might clarify one or more issues concerning the equivalence of the R315-7 closure to an R315-8 closure. The Executive Secretary will give public notice of the hearing at least 30 days before it occurs. Public notice of the hearing may be given at the same time as notice of the opportunity for the public to submit written comments, and the two notices may be combined.

(ii) The Executive Secretary will determine whether the R315-7 closure met R315-8 closure by removal or decontamination requirements within 90 days of its receipt. If the Executive Secretary finds that the closure did not meet the applicable R315-8 standards, he will provide the owner or operator with a written statement of the reasons why the closure failed to meet R315-8 standards. The owner or operator may submit additional information in support of an equivalency demonstration within 30 days after receiving a written statement. The Executive Secretary will review any additional information submitted and make a final determination within 60 days.

(iii) If the Executive Secretary determines that the facility did not close in accordance with R315-8-7, which incorporates by reference 40 CFR 264.110 through 264.116, closure by removal standards, the facility is subject to post-closure permit requirements.

(7) Enforceable documents for post-closure care. At the discretion of the Executive Secretary, an owner or operator may obtain, in lieu of a post-closure permit, an enforceable document imposing the requirements of R315-7-14, which incorporates by reference 40 CFR 265.121. "Enforceable document" means an order, a permit, or other document issued by the Executive Secretary that meets the requirements of 19-6-104, 19-6-112, 19-6-113, and 19-6-115, including a corrective action order issued by EPA under section 3008(h), a CERCLA remedial action, or a closure or post-closure permit.

1.4 EFFECT OF A PERMIT

(a) Compliance with a permit during its term constitutes compliance, for purposes of enforcement, with these rules, except for those requirements not included in the permit which:

(1) Become effective by statute;

(2) Are promulgated under R315-13, which incorporates by reference 40 CFR 268, restricting the placement of hazardous wastes in or on the land;

(3) Are promulgated under R315-8 regarding leak detection systems for new and replacement surface impoundment, waste pile, and landfill units, and lateral expansions of surface impoundment, waste pile, and landfill units. The leak detection system requirements include double liners, CQA programs, monitoring, action leakage rates, and response action permits, and will be implemented through the procedures of R315-3-4.3, which incorporates by reference 40 CFR 270.42, Class 1 permit modifications; or

(4) Are promulgated under R315-7-26, which incorporates by reference 40 CFR 265.1030 through 265.1035, R315-7-27, which incorporates by reference 40 CFR 265.1050 through 265.1064 or R315-7-30, which incorporates by reference 40 CFR 265.1080 through 265.1091.

(b) The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege.

(c) The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

R315-3-2. Permit Application.

2.1 GENERAL APPLICATION REQUIREMENTS

(a) Permit Application. Any person who is required to have a permit, including new applicants and persons with expiring permits, shall complete, sign and submit, a minimum of two applications to the Executive Secretary as described in R315-3-2.1 and R315-3.7. Persons currently authorized with interim status shall apply for permits when required by the Executive Secretary. Persons covered by RCRA permits by rule, R315-3-6.1, need not apply. Procedures for applications, issuance and administration of emergency permits are found exclusively in R315-3-6.2. Procedures for application, issuance and administration of research, development, and demonstration permits are found exclusively in R315-3-6.5.

(b) Who Applies?

When a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit, except that the owner shall also sign the permit application.

(c) Completeness.

(1) The Executive Secretary shall not issue a permit before receiving a complete application for a permit except for permit by rule, or emergency permit. An application for a permit is complete when the Executive Secretary receives an application form and any supplemental information which are completed to his satisfaction. An application for a permit is complete notwithstanding the failure of the owner or operator to submit the exposure information described in R315-3-2.1(i). The Executive Secretary may deny a permit for the active life of a hazardous waste management facility or unit before receiving a complete application for a permit.

(2) The Executive Secretary shall review for completeness every permit application. Each permit application submitted by a new hazardous waste management facility, should be reviewed for completeness by the Executive Secretary in accordance with the applicable review periods of 19-6-108. Upon completing the review, the Executive Secretary shall notify the applicant in writing whether the permit application is complete. If the permit application is incomplete, the Executive Secretary shall list the information necessary to make the permit application complete. When the permit application is for an existing hazardous waste management facility, the Executive Secretary shall specify in the notice of deficiency a date for submitting the necessary information. The Executive Secretary shall review information submitted in response to a notice of deficiency within 30 days after receipt. The Executive Secretary shall notify the applicant that the permit application is complete upon receiving this information. After the permit application is complete, the Executive Secretary may request additional information from an applicant but only when necessary to clarify, modify, or supplement previously submitted material.

(3) If an applicant fails or refuses to correct deficiencies in the permit application, the permit application may be denied and appropriate enforcement actions may be taken under the applicable provisions of the Utah Solid and Hazardous Waste Act.

(d) Existing Hazardous Waste Management Facilities and Interim Status Qualifications.

(1) Owners and operators of existing hazardous waste management facilities shall submit part A of their permit application to the Executive Secretary no later than:

(i) Six months after the date of publication of rules which first require them to comply with the standards set forth in R315-7 or R315-14, or

(ii) Thirty days after the date they first become subject to the standards set forth in R315-7 or R315-14, whichever first occurs.

(iii) For generators generating greater than 100 kilograms of hazardous waste in a calendar month and treats, stores, or disposes of these wastes on-site, by March 24, 1987

For facilities which had to comply with R315-7 because they handle a waste listed in EPA's May 19, 1980, Part 261 regulations, 45 FR 33006 et seq., the deadline for submitting an application was November 19, 1980. Where other existing facilities shall begin complying with R315-7 or R315-14 at a later date because of revisions to R315-1, R315-2, R315-7, or R315-14, the Executive Secretary will specify when those facilities shall submit a permit application.

(2) The Executive Secretary may extend the date by which owners and operators of specified classes of existing hazardous waste management facilities shall submit Part A of their permit application if he finds that there has been substantial confusion as to whether the owners and operators of such facilities were required to file a permit application and such confusion is attributed to ambiguities in R315-1, R315-2, R315-7 or R315-14 of the regulations.

(3) The Executive Secretary may by compliance order issued under 19-6-112 and 19-6-113 extend the date by which the owner and operator of an existing hazardous waste management facility must submit part A of their permit application.

(4) The owner or operator of an existing hazardous waste management facility may be required to submit part B of the permit application. Any owner or operator shall be allowed at least six months from the date of request to submit part B of the application. Any owner or operator of an existing hazardous waste management facility may voluntarily submit part B of the application at any time. Notwithstanding the above, any owner or operator of an existing hazardous waste management facility shall submit a part B application in accordance with the dates specified in R315-3-7.4. Any owner or operator of a land disposal facility in existence on the effective date of statutory or regulatory amendments under R315 that render the facility subject to the requirement to have a permit, shall submit a part B application in accordance with the dates specified in R315-3-7.4.

(5) Failure to furnish a requested part B application on time, or to furnish in full the information required by the part B application, is grounds for termination of interim status under R315-3-4.4.

(e) New Hazardous Waste Management Facilities.

(1) Except as provided in R315-3-2.1(e)(3), no person shall begin physical construction of a new hazardous waste management facility without having submitted part A and part B of the application and having received a finally effective permit.

(2) An application for a permit for a new hazardous waste management facility, including both part A and part B, may be filed any time after promulgation of applicable regulations. The

application shall be filed with the Regional Administrator if at the time of application the State has not received final authorization for permitting such facility; otherwise it shall be filed with the Executive Secretary. Except as provided in R315-3-2.1(e)(3), all applications shall be submitted at least 180 days before physical construction is expected to commence.

(3) Notwithstanding R315-3-2.1(e)(1), a person may construct a facility for the incineration of polychlorinated biphenyls pursuant to an approval issued by the U.S. EPA Administrator under section (6)(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2601 et seq., and any person owning or operating such a facility may, at any time after construction or operation of the facility has begun, file an application for a permit to incinerate hazardous waste authorizing the facility to incinerate waste identified or listed in these rules.

(f) Updating permit applications.

(1) If any owner or operator of a hazardous waste management facility has filed part A of a permit application and has not yet filed part B, the owner or operator shall file an amended part A application:

(i) With the Executive Secretary, within six months after the promulgation of revised regulations under 40 CFR 261 listing or identifying additional hazardous wastes, if the facility is treating, storing or disposing of any of those newly listed or identified wastes.

(ii) With the Executive Secretary no later than the effective date of regulatory provisions listing or designating wastes as hazardous in the State in addition to those listed or designated under the previously approved State program, if the facility is treating, storing, or disposing of any of those newly listed or designated wastes; or

(iii) As necessary to comply with changes during interim status, R315-3-7.3. Revised part A applications necessary to comply with the provisions of interim status shall be filed with the Executive Secretary.

(2) The owner or operator of a facility who fails to comply with the updating requirements of R315-3-2.1(f)(1) does not receive interim status as to the wastes not covered by duly filed part A applications.

(g) Reapplications. Any hazardous waste management facility with an effective permit shall submit a new application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Executive Secretary. The Executive Secretary shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

(h) Recordkeeping.

Applicants shall keep records of all data used to complete permit application and any supplemental information submitted under R315-3-2.4 through R315-3-2.12, for a period of at least three years from the date the application is signed.

(i) Exposure information.

(1) Any part B permit application submitted by an owner or operator of a facility that stores, treats, or disposes of hazardous waste in a surface impoundment or a landfill shall be accompanied by information, reasonably ascertainable by the owner or operator, on the potential for the public to be exposed to hazardous wastes or hazardous constituents through releases related to the unit. At a minimum, the information shall address:

(i) Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit;

(ii) The potential pathways of human exposure to hazardous wastes or constituents resulting from the releases described under R315-3-2.1(i)(1)(i); and

(iii) The potential magnitude and nature of the human exposure resulting from such releases.

(2) Owners and operators of a landfill or a surface impoundment who have already submitted a part B application shall submit the exposure information required in R315-3-2.1(i)(1).

(j) The Executive Secretary may require a permittee or an applicant to submit information in order to establish permit conditions under R315-3-3.3(b)(2), and R315-3-5.1(d).

2.2 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS

(a) Applications. All permit applications shall be signed as follows:

(1) For a corporation: by a principal executive officer of at least the level of vice-president;

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency; by either a principal executive officer or ranking elected official.

(b) Reports. All reports required by permits and other information requested by the Executive Secretary shall be signed by a person described in R315-3-2.2(a), or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in R315-3-2.2(a);

(2) The authorization specified either an individual or a position having responsibility for overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and

(3) The written authorization is submitted to the Executive Secretary.

(c) Changes to authorization. If an authorization under R315-3-2.2(b) is no longer accurate because different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of R315-3-2.2(b) shall be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d)(1) Certification. Any person signing a document under R315-3-2.2(a) or (b) shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for

gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(2) For remedial action plans (RAPs) under R315-3-8, which incorporates by reference 40 CFR 270, subpart H, if the operator certifies according to R315-3-2.2(d)(1), then the owner may choose to make the following certification instead of the certification in R315-3-2.2(d)(1):

"Based on my knowledge of the conditions of the property described in the RAP and my inquiry of the person or persons who manage the system referenced in the operator's certification, or those persons directly responsible for gathering the information, the information submitted is, upon information and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2.4 CONTENTS OF PART A OF THE PERMIT APPLICATION

All applicants shall provide the following information to the Executive Secretary:

(a) The activities conducted by the applicant which require it to obtain a hazardous waste operation permit.

(b) Name, mailing address, and location of the facility for which the application is submitted.

(c) Up to four SIC codes which best reflect the principal products or services provided by the facility.

(d) The operator's name, address, telephone number, ownership status, and status as Federal, State, private, public, or other entity.

(e) The name, address, and telephone number of the owner of the facility.

(f) Whether the facility is located on Indian lands.

(g) An indication of whether the facility is new or existing and whether it is a first or revised application.

(h) For existing facilities, (1) a scale drawing of the facility showing the location of all past, present, and future treatment, storage, and disposal areas; and (2) photographs of the facility clearly delineating all existing structures; existing treatment, storage, and disposal areas; and sites of future treatment, storage, and disposal areas.

(i) A description of the processes to be used for treating, storing, or disposing of hazardous waste, and the design capacity of these items.

(j) A specification of the hazardous wastes or hazardous waste mixtures listed or designated under R315-2 to be treated, stored, or disposed at the facility, an estimate of the quantity of these wastes to be treated, stored, or disposed annually, and a general description of the processes to be used for these wastes.

(k) A listing of all permits or construction approvals received or applied for under any of the following programs:

(1) Hazardous Waste Management program under the Utah Solid and Hazardous Waste Act or RCRA.

(2) Underground Injection Control (UIC) program under Safe Drinking Water Act (SDWA), 42 U.S.C. 300f et seq.

(3) NPDES program under Clean Water Act (CWA), 33 U.S.C. 1251 et seq.

(4) Prevention of Significant Deterioration (PSD) program under the Clean Air Act, 42 U.S.C. 7401 et seq.

(5) Nonattainment program under the Clean Air Act.

(6) National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act.

(7) Dredge or fill permits under section 404 of the Clean Water Act.

(8) Other relevant environmental permits, including State and Federal permits or permits.

(l) A topographic map, or other map if a topographic map is unavailable, extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and discharge structures; each of its hazardous waste treatment, storage, or disposal facilities; each well where fluids from the facility are injected underground; and those wells, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundary.

(m) A brief description of the nature of the business.

(n) For hazardous debris, a description of the debris category(ies) and contaminant category(ies) to be treated, stored, or disposed of at the facility.

(o) The legal description of the facility with reference to the land survey of the State of Utah.

2.5 GENERAL INFORMATION REQUIREMENTS FOR PART B

(a) Part B information requirements presented below reflect the standards promulgated in R315-8. These information requirements are necessary in order for the Executive Secretary to determine compliance with the standards of R315-8. If owners and operators of hazardous waste management facilities can demonstrate that the information prescribed in part B cannot be provided to the extent required, the Executive Secretary may make allowance for submission of the information on a case-by-case basis. Information required in part B shall be submitted to the Executive Secretary and signed in accordance with requirements in R315-3-2.2. Certain technical data, such as design drawings and specifications, and engineering studies shall be certified by a registered professional engineer. For post-closure permits, only the information specified in R315-3-2.19 is required in part B of the permit application.

(b) General information requirements. The following information is required for all hazardous waste management facilities, except as R315-8-1 provides otherwise:

(1) A general description of the facility,

(2) Chemical and physical analyses of the hazardous wastes and hazardous debris to be handled at the facility. At a minimum, these analyses shall contain all the information which must be known to treat, store, or dispose of the wastes properly in accordance with R315-8.

(3) A copy of the waste analysis plan required by R315-8-2.4, which incorporates by reference 40 CFR 264.13 (b) and, if applicable 40 CFR 264.13(c).

(4) A description of the security procedures and equipment required by R315-8-2.5, or a justification demonstrating the reasons for requesting a waiver of this requirement.

(5) A copy of the general inspection schedule required by R315-8-2.6(b). Include, where applicable, as part of the inspection schedule, specific requirements in R315-8-9.5, R315-

8-10, which incorporates by reference the specific provisions of 40 CFR 264.193(i) and 264.195, R315-8-11.3, R315-8-12.3, R315-8-13.4, R315-8-14.3, and R315-8-16, which incorporates by reference 40 CFR 264.602, R315-8-17, which incorporates by reference 40 CFR 264.1033, R315-8-18, which incorporates by reference 40 CFR 264.1052, 264.1053, and 264.1058, and R315-8-22, which incorporates by reference 40 CFR 264.1084, 264.1085, 264.1086, and 264.1088.

(6) A justification of any request for a waiver(s) of the preparedness and prevention requirements of R315-8-3.

(7) A copy of the contingency plan required by R315-8-4. Include, where applicable, as part of the contingency plan, specific requirements in R315-8-11.8 and R315-8-10, which incorporates by reference 40 CFR 264.200.

(8) A description of procedures, structures, or equipment used at the facility to:

(i) Prevent hazards in unloading operations, for example, ramps, special forklifts;

(ii) Prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding, for example, berms, dikes, trenches;

(iii) Prevent contamination of water supplies;

(iv) Mitigate effects of equipment failure and power outages;

(v) Prevent undue exposure of personnel to hazardous waste, for example, protective clothing; and

(vi) Prevent releases to the atmosphere.

(9) A description of precautions to prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes as required to demonstrate compliance with R315-8-2.8 including documentation demonstrating compliance with R315-8-2.8(c).

(10) Traffic pattern, estimated volume, number, types of vehicles and control, for example, show turns across traffic lanes, and stacking lanes, if appropriate; describe access road surfacing and load bearing capacity; show traffic control signals.

(11) Facility location information:

(i) In order to determine the applicability of the seismic standard R315-8-2.9(a), the owner or operator of a new facility shall identify the political jurisdiction, e.g., county, township, or election district, in which the facility is proposed to be located. If the county or election district is not listed in R315-50-11, no further information is required to demonstrate compliance with R315-8-2.9(a).

(ii) If the facility is proposed to be located in an area listed in R315-50-11, the owner or operator shall demonstrate compliance with the seismic standard. This demonstration may be made using either published geologic data or data obtained from field investigations carried out by the applicant. The information provided shall be of a quality to be acceptable to geologists experienced in identifying and evaluating seismic activity. The information submitted shall show that either:

(A) No faults which have had displacement in Holocene time are present, or no lineations which suggest the presence of a fault, which have displacement in Holocene time, within 3,000 feet of a facility are present, based on data from:

(I) Published geologic studies,

(II) Aerial reconnaissance of the area within a five mile radius from the facility,

(III) An analysis of aerial photographs covering a 3,000 foot radius of the facility, and

(IV) If needed to clarify the above data, a reconnaissance based on walking portions of the area within 3,000 feet of the facility, or

(B) If faults, to include lineations, which have had displacement in Holocene time are present within 3,000 feet of a facility, no faults pass within 200 feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted, based on data from a comprehensive geologic analysis of the site. Unless a site analysis is otherwise conclusive concerning the absence of faults within 200 feet of the portions of the facility, data shall be obtained from a subsurface exploration, trenching, of the area within a distance no less than 200 feet from portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. The trenching shall be performed in a direction that is perpendicular to known faults, which have had displacement in Holocene time, passing within 3,000 feet of the portions of the facility where treatment, storage, and disposal of hazardous waste will be conducted. The investigation shall document with supporting maps and other analyses, the location of any faults found. The Guidance Manual for the Location Standards provides greater detail on the content of each type of seismic investigation and the appropriate conditions under which each approach or a combination of approaches would be used.

(iii) Owners and operators of all facilities shall provide an identification of whether the facility is located within a 100-year floodplain. This identification shall indicate the source of data for the determination and include a copy of the relevant Federal Insurance Administration (FIA) flood map, if used, or the calculations and maps used where an FIA map is not available. Information shall also be provided identifying the 100-year flood level and any other special flooding factors, e.g., wave action, which shall be considered in designing, constructing, operating, or maintaining the facility to withstand washout from a 100-year flood.

Where maps for the National Flood Insurance Program produced by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency are available, they will normally be determinative of whether a facility is located within or outside of the 100-year floodplain. However, where the FIA map excludes an area, usually areas of the floodplain less than 200 feet in width, these areas shall be considered and a determination made as to whether they are in the 100-year floodplain. Where FIA maps are not available for a proposed facility location, the owner or operator shall use equivalent mapping techniques to determine whether the facility is within the 100-year floodplain, and if so located, what the 100-year flood elevation would be.

(iv) Owners and operators of facilities located in the 100-year floodplain shall provide the following information:

(A) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

(B) Structural or other engineering studies showing the design of operational units, e.g., tanks, incinerators, and flood protection devices, e.g., floodwalls, dikes, at the facility and how these will prevent washout.

(C) If applicable, and in lieu of R315-3-2.5(b)(11)(iv)(A) and (B), a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

(I) Timing of the movement relative to flood levels, including estimated time to move the waste, to show that the movement can be completed before floodwaters reach the facility.

(II) A description of the location(s) to which the waste will be moved and demonstration that those facilities will be eligible to receive hazardous waste in accordance with the rules under R315-3, R315-7, R315-8, and R315-14.

(III) The planned procedures, equipment, and personnel to be used and the means to ensure that the resources will be available in time for use.

(IV) The potential for accidental discharges of the waste during movement.

(v) Existing facilities NOT in compliance with R315-8-2.9(b) shall provide a plan showing how the facility will be brought into compliance and a schedule for compliance.

(12) An outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the hazardous waste management facility in a safe manner as required to demonstrate compliance with R315-8-2.7. A brief description of how training will be designed to meet actual job tasks in accordance with requirements in R315-8-2.7(a)(3).

(13) A copy of the closure plan and where applicable, the post-closure plan required by R315-8-7 which incorporates by reference 40 CFR 264.112, and 264.118, and R315-8-10 which incorporates by reference 40 CFR 264.197. Include where applicable as part of the plans specific requirements in R315-8-9.9, R315-8-10, which incorporates by reference 40 CFR 264.197, R315-8-11.5, R315-8-12.6, R315-8-13.8, R315-8-14.5, R315-8-15.8, and R315-8-16, which incorporates by reference 40 CFR 264.601 and 264.603.

(14) For hazardous waste disposal units that have been closed, documentation that notices required under R315-8-7 which incorporates by reference 40 CFR 264.119, have been filed.

(15) The most recent closure cost estimate for the facility prepared in accordance with R315-8-8 which incorporates by reference 40 CFR 264.142, and a copy of the documentation required to demonstrate financial assurance under R315-8-8 which incorporates by reference 40 CFR 264.143. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the part B.

(16) Where applicable, the most recent post-closure cost estimate for the facility prepared in accordance with R315-8-8, which incorporates by reference 40 CFR 264.144, plus a copy of the financial assurance mechanism adopted in compliance with R315-8-8.3 documentation required to demonstrate financial assurance under R315-8-8, which incorporates by reference 40 CFR 264.145. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the part B.

(17) Where applicable, a copy of the insurance policy or other documentation which comprises compliance with the requirements of R315-8-8, which incorporates by reference 40 CFR 264.147. For a new facility, documentation showing the amount of insurance meeting the specification of R315-8-8, which incorporates by reference 40 CFR 264.147(a), and if applicable 40 CFR 264.147(b), also incorporated by reference in R315-8-8, that the owner or operator plans to have in effect before initial receipt of hazardous waste for treatment, storage, or disposal. A request for a variance in the amount of required coverage, for a new or existing facility, may be submitted as specified in 40 CFR 264.147(c), incorporated by reference in R315-8-8.

(18) Where appropriate, proof of coverage by a financial mechanism as required in R315-8-8, which incorporates by reference 40 CFR 264.149 and 150.

(19) A topographic map showing a distance of 1000 feet around the facility at a scale of 2.5 centimeters, one inch, equal to not more than 61.0 meters, 200 feet. For large hazardous waste management facilities, the Executive Secretary will allow the use of other scales on a case-by-case basis. Contours shall be shown on the map. The contour interval shall be sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility. For example, contours with an interval of 1.5 meters, five feet, if relief is greater than 6.1 meters, 20 feet, or an interval of 0.6 meters, two feet, if relief is less than 6.1 meters, 20 feet. Owners and operators of hazardous waste management facilities located in mountainous areas should use larger contour intervals to adequately show topographic profiles of facilities. The map shall clearly show the following:

(i) Map scale and date.

(ii) 100-year floodplain area.

(iii) Surface waters including intermittent streams.

(iv) Surrounding land uses, residential, commercial, agricultural, recreational.

(v) A wind rose, i.e., prevailing windspeed and direction.

(vi) Orientation of map, north arrow.

(vii) Legal boundaries of the hazardous waste management facility site.

(viii) Access control, fences, gates.

(ix) Injection and withdrawal wells both on-site and off-site.

(x) Buildings; treatment, storage, or disposal operations; or other structures, recreation areas, run-off control systems, access and internal roads, storm, sanitary, and process sewerage systems, loading and unloading areas, fire control facilities, etc.

(xi) Barriers for drainage or flood control.

(xii) Location of operational units within hazardous waste management facility site, where hazardous waste is, or will be, treated, stored, or disposed, include equipment cleanup areas.

(20) Applicants may be required to submit such information as may be necessary to enable the Executive Secretary and the Board to carry out duties under State laws and Federal laws as specified in 40 CFR 270.3.

(21) For land disposal facilities, if a case-by-case extension has been approved under R315-13, which incorporates by reference 40 CFR 268.5, or a petition has been approved under R315-13, which incorporates by reference 40 CFR 268.6, a copy of the notice of approval for the extension is

required.

(22) A summary of the pre-application meeting, along with a list of attendees and their addresses, and copies of any written comment or materials submitted at the meeting, as required under R315-4-2.31(c).

(c) Additional information requirements.

The following additional information regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing a regulated unit except as otherwise provided in R315-8-6.1(b).

(1) A summary of the groundwater monitoring data obtained during the interim status period under R315-7-13 where applicable.

(2) Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including groundwater flow direction and rate, and the basis for the identification, i.e., the information obtained from hydrogeologic investigations of the facility area.

(3) On the topographic map required under R315-3-2.5(b)(19), a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined in R315-8-6.6, the proposed location of groundwater monitoring wells as required by R315-8-6.8 and, to the extent possible, the information required in R315-3-2.5(c)(2);

(4) A description of any plume of contamination that has entered the groundwater from a regulated unit at the time that the application is submitted that:

(i) Delineates the extent of the plume on the topographic map required under R315-3-2.5(b)(19);

(ii) Identifies the concentration of each constituent listed in R315-50-14, which incorporates by reference Appendix IX of 40 CFR 264, throughout the plume or identifies the maximum concentrations of each constituent listed in R315-50-14 in the plume.

(5) Detailed plans and an engineering report describing the proposed groundwater monitoring program to be implemented to meet the requirements of R315-8-6.8.

(6) If the presence of hazardous constituents has not been detected in the groundwater at the time of permit application, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a detection monitoring program which meets the requirements of R315-8-6.9. This submission shall address the following items as specified under R315-8-6.9:

(i) A proposed list of indicator parameters, waste constituents, or reaction products that can provide a reliable indication of the presence of hazardous constituents in the groundwater;

(ii) A proposed groundwater monitoring system;

(iii) Background values for each proposed monitoring parameters or constituent, or procedures to calculate the values; and

(iv) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(7) If the presence of hazardous constituents has been detected in the groundwater at the point of compliance at the time of permit application, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a compliance monitoring program which meets the requirements of R315-8-6.10. Except as provided in R315-8-6.9(g)(5), the owner or operator shall also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of R315-8-6.11, unless the owner or operator obtains written authorization in advance from the Executive Secretary to submit a proposed permit schedule for submittal of a plan. To demonstrate compliance with R315-8-6.10, the owner or operator shall address the following items:

(i) A description of the wastes previously handled at the facility;

(ii) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;

(iii) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with R315-8-6.8 and R315-8-6.10;

(iv) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in R315-8-6.5(a) including a justification for establishing any alternate concentration limits;

(v) Detailed plans and an engineering report describing the proposed groundwater monitoring system, in accordance with the requirements of R315-8-6.8, and

(vi) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(8) If hazardous constituents have been measured in the groundwater which exceed the concentration limits established under R315-8-6.5 Table 1, or if groundwater monitoring conducted at the time of permit application under R315-8-6.1 through R315-8-6.5 at the waste boundary indicates the presence of hazardous constituents from the facility in groundwater over background concentrations, the owner or operator shall submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of R315-8-6-11. However, an owner or operator is not required to submit information to establish a corrective action program if he demonstrates to the Executive Secretary that alternate concentration limits will protect human health and the environment after considering the criteria listed in R315-8-6.5(b). An owner or operator who is not required to establish a corrective action program for this reason shall instead submit sufficient information to establish a compliance monitoring program which meets the requirements of R315-8-6.10 and R315-3-2.5(c)(6). To demonstrate compliance with R315-8-6.11, the owner or operator shall address, at a minimum, the following items:

(i) A characterization of the contaminated groundwater, including concentration of hazardous constituents;

(ii) The concentration limit for each hazardous constituent found in the groundwater as set forth in R315-8-6.5;

(iii) Detailed plans and engineering report describing the corrective action to be taken; and

(iv) A description of how the groundwater monitoring program will assess the adequacy of the corrective action.

(v) The permit may contain a schedule for submittal of the information required in R315-3-2.5(c)(8)(iii) and (iv) provided the owner or operator obtains written authorization from the Executive Secretary prior to submittal of the complete permit

application.

(9) An intended schedule of construction shall be submitted with the permit application and will be incorporated into the permit as an approval condition. Facility permits shall be reviewed by the Executive Secretary no later than 18 months from the date of permit issuance, and periodically thereafter, to determine if a program of continuous construction is proceeding. Failure to maintain a program of continuous construction may result in revocation of the permit.

(d) Information requirements for solid waste management units.

(1) The following information is required for each solid waste management unit at a facility seeking a permit:

(i) The location of the unit on the topographic map required under R315-3-2.5(b)(19);

(ii) Designation of type of unit;

(iii) General dimensions and structural description, supply any available drawings;

(iv) When the unit was operated; and

(v) Specification of all wastes that have been managed at the unit, to the extent available.

(2) The owner or operator of any facility containing one or more solid waste management units shall submit all available information pertaining to any release of hazardous wastes or hazardous constituents from the unit or units.

(3) The owner or operator shall conduct and provide the results of sampling and analysis of groundwater, land surface, and subsurface strata, surface water, or air, which may include the installation of wells, where the Executive Secretary ascertains it is necessary to complete a RCRA Facility Assessment that will determine if a more complete investigation is necessary.

2.6 SPECIFIC PART B INFORMATION REQUIREMENTS FOR CONTAINERS

Facilities that store containers of hazardous waste, except as otherwise provided in R315-8-9.1, shall provide the following additional information:

(a) A description of the containment system to demonstrate compliance with R315-8-9.6. Show at least the following:

(1) Basic design parameters, dimensions, and materials of construction.

(2) How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system.

(3) Capacity of the containment system relative to the number and volume of containers to be stored.

(4) Provisions for preventing or managing run-on.

(5) How accumulated liquids can be analyzed and removed to prevent overflow.

(b) For storage areas that store containers holding wastes that do not contain free liquids, a demonstration of compliance with R315-8-9.6(c) including:

(1) Test procedures and results or other documentation or information to show that the wastes do not contain free liquids; and

(2) A description of how the storage area is designed or operated to drain and remove liquids or how containers are kept from contact with standing liquids.

(c) Sketches, drawings, or data demonstrating compliance with R315-8-9.7, location of buffer zone and containers holding ignitable or reactive wastes, and R315-8-9.8(c), location of incompatible wastes, where applicable.

(d) Where incompatible wastes are stored or otherwise managed in containers, a description of the procedures used to ensure compliance with R315-8-9.8(a) and (b) and R315-8-2.8(b) and (c).

(e) Information on air emission control equipment as required in R315-3-2.18, which incorporates by reference 40 CFR 270.27.

2.7 SPECIFIC PART B INFORMATION REQUIREMENTS FOR TANK SYSTEMS

For facilities that use tanks to store or treat hazardous waste, the requirements of 40 CFR 270.16, 1996 ed., are adopted and incorporated by reference.

2.8 SPECIFIC PART B INFORMATION REQUIREMENTS FOR SURFACE IMPOUNDMENTS

Facilities that store, treat, or dispose of hazardous waste in surface impoundments, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each surface impoundment;

(b) Detailed plans and an engineering report describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-2.10, R315-8-11.2, R315-8-11.9, R315-8-11.10, addressing the following items:

(1) The liner system, except for an existing portion of a surface impoundment. If an exemption from the requirement for a liner is sought as provided by R315-8-11.2(b), submit detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time;

(2) The double liner and leak, leachate, detection, collection, and removal system, if the surface impoundment must meet the requirements of R315-8-11.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-11.2(d), (e), or (f), submit appropriate information;

(3) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(4) The construction quality assurance, CQA, plan if required under R315-8-2.10;

(5) Proposed action leakage rate, with rationale, if required under R315-8-11.9, and response action plan, if required under R315-8-11.10;

(6) Prevention of overtopping; and

(7) Structural integrity of dikes.

(c) A description of how each surface impoundment, including the double liner, leak detection system, cover system, and appurtenances for control of overtopping, will be inspected in order to meet the requirements of R315-8-11.3(a), (b), and (d). This information should be included in the inspection plan submitted under R315-3-2.5(b)(5);

(d) A certification by a qualified engineer which attests to the structural integrity of each dike, as required under R315-8-11.3(c). For new units, the owner or operator shall submit a statement by a qualified engineer that he will provide a certification upon completion of construction in accordance with the plans and specifications;

(e) A description of the procedure to be used for removing a surface impoundment from service, as required under R315-8-11.4(b) and (c). This information should be included in the contingency plan submitted under R315-3-2.5(b)(7);

(f) A description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under R315-8-11.5(a)(1). For any wastes not to be removed from the unit upon closure, the owner or operator shall submit detailed plans and an engineering report describing how R315-8-11.5(a)(2) and (b) will be complied with. This information should be included in the closure plan, and, where applicable, the post-closure plan submitted under R315-3-2.5(b)(13);

(g) If ignitable or reactive wastes are to be placed in a surface impoundment, an explanation of how R315-8-11.6 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials will be placed in a surface impoundment, an explanation of how R315-8-11.7 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-11.8. This submission shall address the following items as specified in R315-8-11.8:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(j) Information on air emission control equipment as required by R315-3-2.18, which incorporates by reference 40 CFR 270.27.

2.9 SPECIFIC PART B INFORMATION REQUIREMENTS FOR WASTE PILES

Facilities that store or treat hazardous waste in waste piles, except as otherwise provided in R315-8-1, shall provide the following additional information:

(a) A list of hazardous wastes placed or to be placed in each waste pile;

(b) If an exemption is sought to R315-8-12.2 and R315-8-6 as provided by R315-8-12.1(c) or R315-8-6(b)(2), an explanation of how the standards of R315-8-12.1(c) will be complied with or detailed plans and an engineering report describing how the requirements of R315-8-6(b)(2) will be met.

(c) Detailed plans and an engineering report describing how the waste pile is or will be designed, constructed, operated and maintained to meet the requirements of R315-8-2.10, R315-8-12.2, R315-8-12.8, and R315-8-12.9, addressing the following items:

(1)(i) The liner system, except for an existing portion of a waste pile, if the waste pile must meet the requirements of R315-8-12.2(a). If an exemption from the requirement for a liner is sought as provided by R315-8-12.2(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;

(ii) The double liner and leak, leachate, detection, collection, and removal system, if the waste pile must meet the requirements of R315-8-12.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-12.2(d), (e), or (f), submit appropriate information;

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(iv) The construction quality assurance (CQA) plan if required under R315-8-2.10;

(v) Proposed action leakage rate, with rationale, if required under R315-8-12.8, and response action plan, if required under R315-8-12.9;

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding units associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable;

(d) A description of how each waste pile, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of R315-8-12.3(a), (b), and (c). This information shall be included in the inspection plan submitted under R315-3-2.5(b)(5);

(e) If treatment is carried out on or in the pile, details of the process and equipment used, and the nature and quality of the residuals;

(f) If ignitable or reactive wastes are to be placed in a waste pile, an explanation of how the requirements of R315-8-12.4 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be placed in a waste pile, an explanation of how R315-8-12.5 will be complied with;

(h) A description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under R315-8-12.6(a). For any waste not to be removed from the waste pile upon closure, the owner or operator shall submit detailed plans and an engineering report describing how R315-8-14.5(a) and (b) will be complied with. This information should be included in the closure plan, and, where applicable, the post-closure plan submitted under R315-3-2.5(b)(13);

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026 and F027 describing how a waste pile that is not enclosed, as defined in R315-8-12.1(c)

is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-12.7. This submission shall address the following items as specified in R315-8-12.7:

(1) The volume, physical, and chemical characteristics of the wastes to be disposed in the waste pile, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

2.10 SPECIFIC PART B INFORMATION REQUIREMENTS FOR INCINERATORS

For facilities that incinerate hazardous waste, except as R315-8-15.1 and R315-3-2.10(e) provides otherwise, the applicant shall fulfill the requirements of R315-3-2.10(a), (b), or (c).

(a) When seeking exemption under R315-8-15.1(b) or (c) (ignitable, corrosive or reactive wastes only):

(1) Documentation that the waste is listed as a hazardous waste in R315-2-10 solely because it is ignitable, Hazard Code I, corrosive, Hazard Code C, or both; or

(2) Documentation that the waste is listed as a hazardous waste in R315-2-10 solely because it is reactive, Hazard Code R, for characteristics other than those listed in R315-2-9(f)(1)(iv) and (v), and will not be burned when other hazardous wastes are present in the combustion zone; or

(3) Documentation that the waste is a hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous wastes under R315-2-9; or

(4) Documentation that the waste is a hazardous waste solely because it possesses the reactivity characteristics listed in R315-2-9(f)(i), (ii), (iii), (vi), (vii), or (viii) and that it will not be burned when other hazardous wastes are present in the combustion zone; or

(b) Submit a trial burn plan or the results of the trial burn, including all required determinations, in accordance with R315-3-6.3; or

(c) In lieu of a trial burn, the applicant may submit the following information:

(1) An analysis of each waste or mixture of wastes to be burned including:

(i) Heat value of the waste in the form and composition in which it will be burned.

(ii) Viscosity, if applicable, or description of physical form of the waste.

(iii) An identification of any hazardous organic constituents listed in R315-50-10, which incorporates by reference 40 CFR part 261 Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis shall be identified and the basis for their exclusion stated. The waste analysis shall rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2, or their equivalent.

(iv) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(v) A quantification of those hazardous constituents in the waste which may be designated as POHC's based on data submitted from other trial or operational burns which demonstrate compliance with the performance standard in R315-8-15.4.

(2) A detailed engineering description of the incinerator, including:

(i) Manufacturer's name and model number of incinerator.

(ii) Type of incinerator.

(iii) Linear dimension of incinerator unit including cross sectional area of combustion chamber.

(iv) Description of auxiliary fuel system, type/feed.

(v) Capacity of prime mover.

(vi) Description of automatic waste feed cutoff system(s).

(vii) Stack gas monitoring and pollution control monitoring system.

(viii) Nozzle and burner design.

(ix) Construction materials.

(x) Location and description of temperature, pressure, and flow indicating devices and control devices.

(3) A description and analysis of the waste to be burned compared with the waste for which data from operational or trial burns are provided to support the contention that a trial burn is not needed. The data should include those items listed in R315-3-2.10(c)(1). This analysis should specify the POHC's which the applicant has identified in the waste for which a permit is sought, and any differences from the POHC's in the waste for which burn data are provided.

(4) The design and operating conditions of the incinerator unit to be used, compared with that for which comparative burn data are available.

(5) A description of the results submitted from any previously conducted trial burn(s) including:

(i) Sampling and analysis techniques used to calculate performance standards in R315-8-15.4.

(ii) Methods and results of monitoring temperatures, waste feed rates, air feed rates, and carbon monoxide, and an appropriate indicator of combustion gas velocity, including a statement concerning the precision and accuracy of this measurement,

(6) The expected incinerator operation information to demonstrate compliance with R315-8-15.4 and R315-8-15.6 including:

(i) Expected carbon monoxide (CO) level in the stack exhaust gas.

(ii) Waste feed rate.

(iii) Combustion zone temperature.

(iv) Indication of combustion gas velocity.

(v) Expected stack gas volume, flow rate, and temperature.

(vi) Computed residence time for waste in the combustion

zone.

(vii) Expected hydrochloric acid removal efficiency.

(viii) Expected fugitive emissions and their control procedures.

(ix) Proposed waste feed cut-off limits based on the identified significant operating parameters.

(7) Any supplemental information as the Executive Secretary finds necessary to achieve the purposes of this paragraph.

(8) Waste analysis data, including that submitted in R315-3-2.10(c)(1), sufficient to allow the Executive Secretary to specify as permit Principal Organic Hazardous Constituents (POHC's) those constituents for which destruction and removal efficiencies will be required.

(d) The Executive Secretary shall approve a permit application without a trial burn if he finds that:

(1) The wastes are sufficiently similar; and

(2) The incinerator units are sufficiently similar, and the data from other trial burns are adequate to specify, under R315-8-15.6, operating conditions that will ensure that the performance standards in R315-8-15.4 will be met by the incinerator.

(e) When an owner or operator demonstrates compliance with the air emission standards and limitations in R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements of R315-3-2.10 do not apply. Nevertheless, the Executive Secretary may apply the provisions of R315-3-2.10, on a case-by-case basis, for purposes of information collection in accordance with R315-3-2.1(j) and R315-3-3.3(b)(2).

2.11 SPECIFIC PART B INFORMATION REQUIREMENTS FOR LAND TREATMENT FACILITIES

Facilities that use land treatment to dispose of hazardous waste, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A description of plans to conduct a treatment demonstration as required under R315-8-13.3. The description shall include the following information:

(1) The wastes for which the demonstration will be made and the potential hazardous constituents in the wastes;

(2) The data sources to be used to make the demonstration, e.g., literature, laboratory data, field data, or operating data;

(3) Any specific laboratory or field test that will be conducted, including:

(i) The type of test, e.g., column leaching, degradation;

(ii) Materials and methods, including analytical procedures;

(iii) Expected time for completion;

(iv) Characteristics of the unit that will be simulated in the demonstration, including treatment zone characteristics, climatic conditions, and operating practices;

(b) A description of a land treatment program, as required under R315-8-13.2. This information shall be submitted with the plans for the treatment demonstration, and updated following the treatment demonstration. The land treatment program shall address the following items:

(1) The wastes to be land treated;

(2) Design measures and operating practices necessary to maximize treatment in accordance with R315-8-13.4(a) including:

(i) Waste application method and rate;

(ii) Measures to control soil pH;

(iii) Enhancement of microbial or chemical reactions;

(iv) Control of moisture content.

(3) Provisions for unsaturated zone monitoring including:

(i) Sampling equipment, procedures and frequency;

(ii) Procedures for selecting sampling locations;

(iii) Analytical procedures;

(iv) Chain of custody control;

(v) Procedures for establishing background values;

(vi) Statistical methods for interpreting results;

(vii) The justification for any hazardous constituents recommended for selection as principal hazardous constituents, in accordance with the criteria for the selection in R315-8-13.6(a);

(4) A list of hazardous constituents reasonably expected to be in, or derived from, the wastes to be land treated based on waste analysis performed pursuant to R315-8-2.4, which incorporates by reference 40 CFR 264.13;

(5) The proposed dimensions of the treatment zone;

(c) A description of how the unit is or will be designed, constructed, operated, and maintained in order to meet the requirements of R315-8-13.4. This submission shall address the following items:

(1) Control of run-on;

(2) Collection and control of run-off;

(3) Minimization of run-off of hazardous constituents from the treatment zone;

(4) Management of collection and holding facilities associated with run-on and run-off control systems;

(5) Periodic inspection of the unit. This information should be included in the inspection plan submitted under R315-3-2.5(b)(5).

(6) Control of wind dispersal of particulate matter, if applicable;

(d) If food-chain crops are to be grown in or on the treatment zone of the land treatment unit, a description of how the demonstration required under R315-8-13.5(a) will be conducted including:

(1) Characteristics of the food-chain crop for which the demonstration will be made;

(2) Characteristics of the waste, treatment zone, and waste application method and rate to be used in the demonstration;

(3) Procedures for crop growth, sample collection, sample analysis, and data evaluation;

(4) Characteristics of the comparison crop including the location and conditions under which it was or will be grown.

(e) If food-chain crops are to be grown, and cadmium is present in the land treated waste, a description of how the requirements of R315-8-13.5(b) will be complied with;

(f) A description of the vegetative cover to be applied to closed portions of the facility, and a plan for maintaining such cover during the post-closure care period, as required under R315-8-13.8(a)(8) and R315-8-13.8(c)(2). This information should be included in the closure plan, and, where applicable, the post-closure care plan submitted under R315-3-2.5(b)(13).

(g) If ignitable or reactive wastes will be placed in or on

the treatment zone, an explanation of how the requirements of R315-8-13.9 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, an explanation of how R315-8-13.10 will be complied with.

(i) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-13.11. This submission shall address the following items as specified in R315-8-13.11:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

2.12 SPECIFIC PART B INFORMATION REQUIREMENTS FOR LANDFILLS

Facilities that dispose of hazardous waste in landfills, except as otherwise provided in R315-8-1.1, shall provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each landfill or landfill cell;

(b) Detailed plans and an engineering report describing how the landfill is designed and is or will be constructed, operated, and maintained to comply with the requirements of R315-8-2.10, R315-8-14.2., R315-8-14.3, and R315-8-14.12, addressing the following items:

(1)(i) The liner system, except for an existing portion of a landfill, if the landfill must meet the requirements of R315-8-14.2(a). If an exemption from the requirement for a liner is sought as provided by R315-8-14.2(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time;

(ii) The double liner and leak (leachate) detection, collection, and removal system, if the landfill must meet the requirements of R315-8-14.2(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by R315-8-14.2(d), (e), or (f), submit appropriate information;

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

(iv) The construction quality assurance, CQA, plan if required under R315-8-2.10;

(v) Proposed action leakage rate, with rationale, if required under R315-8-14.12, and response action plan, if required under R315-8-14.3;

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding facilities associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable.

(c) A description of how each landfill, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of R315-8-14.3(a), (b), and (c). This information shall be included in the inspection plan submitted under R315-3-2.5(b)(5);

(d) A description of how each landfill, including the liner and cover systems, will be inspected in order to meet the requirements of R315-8-14.3(a) and (b). This information should be included in the inspection plan submitted under R315-3-2.5(b)(5).

(e) Detailed plans and engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with R315-8-14.5(a), and a description of how each landfill will be maintained and monitored after closure in accordance with R315-8-14.5(b). This information should be included in the closure and post-closure plans submitted under R315-3-2.5(b)(13).

(f) If ignitable or reactive wastes will be landfilled, an explanation of how the requirements of R315-8-14.6 will be complied with;

(g) If incompatible wastes, or incompatible wastes and materials will be landfilled, an explanation of how R315-8-14.7 will be complied with;

(h) If bulk or non-containerized liquid waste or wastes containing free liquids is to be landfilled prior to May 8, 1985, an explanation of how the requirements of R315-8-14.8(a) will be complied with;

(i) If containers of hazardous waste are to be landfilled, an explanation of how the requirements of R315-8-14.9 or R315-8-14.10 as applicable, will be complied with.

(j) A waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a landfill is or will be designed, constructed, operated, and maintained to meet the requirements of R315-8-14.11. This submission shall address the following items as specified in R315-8-14.11:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

2.13 SPECIFIC PART B INFORMATION REQUIREMENTS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE

For facilities that burn hazardous wastes in boilers and industrial furnaces which R315-14-7 applies, which incorporates by reference 40 CFR subpart H, 266.100 through 266.112, the requirements of 40 CFR 270.22, 2000 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Director."

2.14 SPECIFIC PART B INFORMATION REQUIREMENTS FOR MISCELLANEOUS UNITS

Facilities that treat, store or dispose of hazardous waste in miscellaneous units except as otherwise provided in R315-8-16, which incorporates by reference 40 CFR 264.600, shall provide the following additional information:

(a) A detailed description of the unit being used or proposed for use, including the following:

(1) Physical characteristics, materials of construction, and dimensions of the unit;

(2) Detailed plans and engineering reports describing how the unit will be located, designed, constructed, operated, maintained, monitored, inspected, and closed to comply with the requirements of R315-8-16, which incorporates by reference 40 CFR 264.601 and 264.602; and

(3) For disposal units, a detailed description of the plans to comply with the post-closure requirements of R315-8-16, which incorporates by reference 40 CFR 264.603.

(b) Detailed hydrologic, geologic, and meteorologic assessments and land-use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601. If the applicant can demonstrate that he does not violate the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601 and the Executive Secretary agrees with such demonstration, preliminary hydrologic, geologic, and meteorologic assessments will suffice.

(c) Information on the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents and on the potential magnitude and nature of these exposures;

(d) For any treatment unit, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data;

(e) Any additional information determined by the Executive Secretary to be necessary for evaluation of compliance of the unit with the environmental performance standards of R315-8-16, which incorporates by reference 40 CFR 264.601.

2.15 SPECIFIC PART B INFORMATION REQUIREMENTS FOR PROCESS VENTS

For facilities that have process vents to which R315-8-17 applies, which incorporates by reference 40 CFR subpart AA of 264, the requirements of 40 CFR 270.24, 1991 ed., regarding information requirements for process vents are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Regional Administrator."

2.16 SPECIFIC PART B INFORMATION REQUIREMENTS FOR EQUIPMENT

For facilities that have equipment to which R315-8-18 applies, which incorporates by reference 40 CFR subpart BB of 264, the requirements of 40 CFR 270.25, 1991 ed., regarding information requirements for equipment are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Regional Administrator."

2.17 SPECIFIC PART B INFORMATION REQUIREMENTS FOR DRIP PADS

For facilities that have drip pads to which R315-8-19 applies, which incorporates by reference 40 CFR subpart W, 264.570 through 264.575, the requirements of 40 CFR 270.26, 1991 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for "Director."

2.18 SPECIFIC PART B INFORMATION REQUIREMENTS FOR AIR EMISSION CONTROLS FOR TANKS, SURFACE IMPOUNDMENTS, AND CONTAINERS

The requirements as found in 40 CFR 270.27 1996 ed., as amended by 61 FR 59931, November 25, 1996, are adopted and incorporated by reference.

2.19 PART B INFORMATION REQUIREMENTS FOR POST-CLOSURE PERMITS

For post-closure permits, the owner or operator is required to submit only the information specified in R315-3-2.5(b)(1), (4), (5), (6), (11), (13), (14), (16), (18), (19), and R315-3-2.5(c) and (d), unless the Executive Secretary determines that additional information from R315-3-2.5, R315-3-2.7, which incorporates by reference 40 CFR 270.16, R315-3-2.8, R315-3-2.9, R315-3-2.11, or R315-3-2.12 is necessary. The owner or operator is required to submit the same information when an alternative authority is used in lieu of a post-closure permit as provided in R315-3-1.3(e)(7).

2.20 PERMIT DENIAL

The Executive Secretary may, pursuant to the procedures in R315-4, deny the permit application either in its entirety or as to the active life of a hazardous waste management facility or unit only.

R315-3-3. Permit Conditions.

3.1 CONDITIONS APPLICABLE TO PERMITS

The following conditions apply to all permits. All conditions applicable to permits shall be incorporated into the permits either expressly or by reference. If incorporated by reference, a specific citation of these rules shall be given in the permit.

(a) Duty to comply. The permittee shall comply with all conditions of this permit, except that the permittee need not comply with the conditions of this permit to the extent and for the duration any noncompliance is authorized in an emergency permit. (See R315-3-6.2). Any plan noncompliance except under the terms of an emergency permit, constitutes a violation of the Utah Solid and Hazardous Waste Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

(b) Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit.

(c) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the approved activity in order to maintain compliance with the conditions of this permit.

(d) In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to

the environment, and shall carry out all measures as are reasonable to prevent significant adverse impact on human health or the environment.

(e) Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control, and related appurtenances, which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

(f) Permit actions. This permit may be modified, revoked and reissued, or terminated in accordance with the provisions of R315-3-4.2 or R315-4.4 and the procedures of R315-4-1.5. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

(g) Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege.

(h) Duty to provide information. The permittee shall furnish to the Executive Secretary within a reasonable time, any relevant information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary upon request, copies of records required to be kept by this permit.

(i) Inspection and entry. The permittee shall allow the Executive Secretary, the Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(1) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(3) Inspect at reasonable times any facilities, equipment, including monitoring and control equipment, practices, or operations regulated or required under this permit; and

(4) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Utah Solid and Hazardous Waste Act, any substances or parameters at any location.

(j) Monitoring and records.

(1) Sample and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, the certification required by R315-8-5.3, which incorporates by reference 40 CFR 264.73(b)(9), and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary and the Board at any time. The permittee shall maintain records of all groundwater quality and groundwater surface elevations, for the active life of the facility, and for the post-closure care period as well.

(3) Records of monitoring information shall include:

(i) The date, exact place, and time of sampling or measurements;

(ii) The individual(s) who performed the sampling or measurements;

(iii) The date(s) analyses were performed;

(iv) The individual(s) who performed the analyses;

(v) The analytical techniques or methods used; and

(vi) The results of all analyses.

(k) Signatory requirement. All applications, reports, or information submitted to the Executive Secretary shall be signed and certified, see R315-3-2.2.

(l) Reporting requirements.

(1) Planned changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the approved facility.

(2) Anticipated noncompliance. The permittee shall give advance notice to the Executive Secretary of any planned changes in the approved facility or activity which may result in noncompliance with permit requirements. For a new facility, the permittee may not treat, store, or dispose of hazardous waste; and for a facility being modified, the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility except as provided in R315-3-4.3, which incorporates by reference 40 CFR 270.42, until:

(i) The permittee has submitted to the Executive Secretary by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and

(ii)(A) The Executive Secretary or the Board has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

(B) Within 15 days of the date of submission of the letter in R315-3-3.1(l)(2)(i), the permittee has not received notice from the Executive Secretary or Board of their intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.

(3) Transfers. The permit is not transferable to any person except after notice to the Executive Secretary. The Executive Secretary may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate any other requirements as may be necessary. See R315-3-4.1.

(4) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.

(5) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(6) Twenty-four hour reporting. See R315-9 for Emergency Controls.

(i) The permittee shall report any noncompliance which

may endanger health or the environment orally within 24 hours from the time the permittee becomes aware of the circumstances, including:

(A) Information concerning release of hazardous waste that may cause an endangerment to public drinking water supplies.

(B) Any information of a release of hazardous waste or of a fire or explosion from the hazardous waste management facility, which could threaten the environment or human health outside the facility.

(ii) The description of the occurrence and its cause shall include:

(A) Name, address, and telephone number of the owner or operator;

(B) Name, address, and telephone number of the facility;

(C) Date, time, and type of incident;

(D) Name and quantity of material(s) involved;

(E) The extent of injuries, if any;

(F) An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and

(G) Estimated quantity and disposition of recovered material that resulted from the incident.

(iii) A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance. The Executive Secretary may waive the five-day written notice requirement in favor of a written report within 15 days.

(7) Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to reconcile the discrepancy. If not resolved within fifteen days, the permittee shall submit a letter report, including a copy of the manifest, to the Executive Secretary. (See R315-8-5.4)

(8) Unmanifested waste report. This report shall be submitted to the Executive Secretary within 15 days of receipt of unmanifested wastes.

(9) Biennial report. A biennial report shall be submitted covering facility activities during odd numbered calendar years.

(10) Other noncompliance. The permittee shall report all instances of noncompliance not reported under R315-3-3.1(l)(4), (5), and (6), at the time monitoring reports are submitted. The reports shall contain the information listed in R315-3-3.1(l)(6).

(11) Other information. Where the permittee becomes aware that he failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Executive Secretary, he shall promptly submit all facts or information.

(m) Information repository. The Executive Secretary may require the permittee to establish and maintain an information repository at any time, based on the factors set forth in R315-4-2.33(b). The information repository will be governed by the provisions in R315-4-2.33 (c) through (f).

3.2 REQUIREMENTS FOR RECORDING AND REPORTING OF MONITORING RESULTS

All permits shall specify:

(a) Requirements concerning the proper use, maintenance, and installation, when appropriate, of monitoring equipment or methods, including biological monitoring methods when appropriate;

(b) Required monitoring including type, intervals, and frequency sufficient yield data which are representative of the monitored activity including, when appropriate, continuous monitoring;

(c) Applicable reporting requirements based upon the impact of the regulated activity and as specified in R315-8 and R315-14. Reporting shall be no less frequent than specified in R315-8 and R315-14.

3.3 ESTABLISHING PERMIT CONDITIONS

In addition to the conditions established, each permit shall include:

(a) A list of the wastes or classes of wastes which will be treated, stored, or disposed of at the facility, and a description of the processes to be used for treating, storing, and disposing of these hazardous wastes at the facility including the design capacities of each storage, treatment, and disposal unit. Except in the case of containers, the description shall identify the particular wastes or classes of wastes which will be treated, stored, or disposed of in particular equipment or locations, e.g., "Halogenated organics may be stored in Tank A", and "Metal hydroxide sludges may be disposed of in landfill cells B, C, and D", and

(b)(1) Each permit shall include conditions necessary to achieve compliance with the Utah Solid and Hazardous Waste Act and these rules, including each of the applicable requirements specified in R315-7, R315-8, R315-13, which incorporates by reference 40 CFR 268, and R315-14, which incorporates by reference 40 CFR 266. In satisfying this provision, the Executive Secretary may incorporate applicable requirements of R315-7, R315-8, R315-13, which incorporates by reference 40 CFR 268, and R315-14, which incorporates by reference 40 CFR 266, directly into the permit or establish other permit conditions that are based on these rules.

(2) Each permit issued under the Utah Solid and Hazardous Waste Act shall contain terms and conditions as the Executive Secretary determines necessary to protect human health and the environment.

(c) New or reissued permits, and to the extent allowed under R315-3-4.2, modified or revoked and reissued permits, shall incorporate each of the applicable requirements referenced in R315-3-3.2 and R315-3-3.3.

(d) Incorporation. All permit conditions shall be incorporated either expressly or by reference. If incorporated by reference, a specific citation to the applicable requirements shall be given in the permit.

3.4 SCHEDULES OF COMPLIANCE

(a) The permit may, when appropriate, specify a schedule of compliance leading to compliance with these rules.

(1) Time for compliance. Any schedules of compliance under this section shall require compliance as soon as possible.

(2) Interim dates. Except as provided in R315-3-3.4(b)(1)(ii), if a permit establishes a schedule of compliance

which exceeds one year from the date of permit issuance, the schedule shall set forth interim requirements and the dates for their achievement.

(i) The time between interim dates shall not exceed one year.

(ii) If the time necessary for completion of any interim requirement is more than one year and is not readily divisible into stages for completion, the permit shall specify interim dates for the submission of reports of progress toward completion of the interim requirements and indicate a projected completion date.

(3) Reporting. The permit shall be written to require that no later than 14 days following each interim date and the final date of compliance, the permittee shall notify the Executive Secretary or Board or both in writing, of its compliance or noncompliance with the interim or final requirement, or submit progress reports if R315-3-3.4(a)(2)(ii) is applicable.

(b) Alternative schedules of permit compliance. An applicant or permittee may cease conducting regulated activities, by receiving a terminal volume of hazardous waste, and for treatment and storage facilities, closing pursuant to applicable requirements; and for disposal facilities, closing and conducting post-closure care pursuant to applicable requirement, rather than continue to operate and meet permit requirements as follows:

(1) If the permittee decides to cease conducting regulated activities at a given time within the term of a permit which has already been issued:

(i) The permit may be modified to contain a new or additional schedule leading to timely cessation of activities; or

(ii) The permittee shall cease conducting activities before noncompliance with any interim or final compliance schedule requirement already specified in the permit.

(2) If the decision to cease conducting regulated activities is made before issuance of a permit whose term will include the termination date, the permit shall contain a schedule leading to permit termination which will ensure timely compliance with applicable requirements.

(3) If the permittee is undecided whether to cease conducting regulated activities, the Executive Secretary may issue or modify a permit to contain two schedules as follows:

(i) Both schedules shall contain an identical interim deadline requiring a final decision on whether to cease conducting regulated activities no later than a date which ensures sufficient time to comply with applicable requirements in a timely manner if the decision is to continue conducting regulated activities;

(ii) One schedule shall lead to timely compliance with applicable requirements.

(iii) The second schedule shall lead to cessation of regulated activities by a date which will ensure timely compliance with applicable requirements;

(iv) Each permit containing two schedules shall include a requirement that after the permittee has made a final decision under R315-3-3.4(b)(3)(i) it shall follow the schedule leading to termination if the decision is to cease conducting regulated activities.

(4) The applicant's or permittee's decision to cease conducting regulated activities shall be evidenced by a firm public commitment satisfactory to the Executive Secretary, such as resolution of the board of directors of a corporation.

R315-3-4. Changes to Permit.

4.1 TRANSFER OF PERMITS

(a) A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued under R315-3-4.1(b) or R315-3-4.2(b)(2) to identify the new permittee and incorporate such other requirements as may be necessary under the appropriate Act.

(b) Changes in the ownership or operational control of a facility may be made as a Class 1 modification with prior written approval of the Executive Secretary in accordance with R315-3-4.3, which incorporates by reference 40 CFR 270.42. The new owner or operator shall submit a revised permit application no later than 90 days prior to the scheduled change. A written agreement containing a specific date for transfer of permit responsibility between the current and new permittees shall also be submitted to the Executive Secretary. When a transfer of ownership or operational control occurs, the old owner or operator shall comply with the requirements of R315-8-8, which incorporates by reference 40 CFR 264, subpart H, until the new owner or operator has demonstrated that he is complying with the requirements of that subpart. The new owner or operator shall demonstrate compliance with R315-8-8, which incorporates by reference 40 CFR 264, subpart H requirements within six months of the date of the change of ownership or operational control of the facility. Upon demonstration to the Executive Secretary by the new owner or operator of compliance with R315-8-8, which incorporates by reference 40 CFR 264, subpart H, the Executive Secretary shall notify the old owner or operator that he no longer needs to comply with R315-8-8, which incorporates by reference 40 CFR 264, subpart H as of the date of demonstration.

4.2 MODIFICATION OR REVOCATION AND REISSUANCE OF PERMITS

When the Executive Secretary receives any information, for example, inspects the facility, receives information submitted by the permittee as required in the permit see R315-3-3.1, receives a request for modification or revocation and reissuance under R315-4-1.5 or conducts review of the permit file, he may determine whether one or more of the causes listed in R315-3-4.2(a) and (b) for modification or revocation and reissuance or both exist. If cause exists, the Executive Secretary may modify or revoke and reissue the permit accordingly, subject to the limitations of R315-3-4.2(c), and may request an updated application if necessary. When a permit is modified, only the conditions subject to modification are reopened. If a permit is revoked and reissued, the entire permit is reopened and subject to revision and the permit is reissued for a new term. See R315-4-1.5(c)(2). If cause does not exist under this section, the Executive Secretary shall not modify or revoke and reissue the permit, except on request of the permittee. If a permit modification is requested by the permittee, the Executive Secretary shall approve or deny the request according to the procedures of R315-3-4.3, which incorporates by reference 40 CFR 270.42. Otherwise, a draft permit shall be prepared and other procedures in R315-4 followed.

(a) Causes for modification. The following are causes for modification but not revocation and reissuance of permits, and

the following may be causes for revocation and reissuance as well as modification under any program when the permittee requests or agrees.

(1) Alterations. There are material and substantial alterations or additions to the approved facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit.

(2) Information. The Executive Secretary has received information. Permits may be modified during their terms for this cause only if the information was not available at the time of permit issuance, other than revised rules, guidance, or test methods, and would have justified the application of different permit conditions at the time of issuance.

(3) New statutory requirements or rules. The standards or rules on which the permit was based have been changed by statute, through promulgation of new or amended standards or rules or by judicial decision after the permit was issued.

(4) Compliance schedules. The Executive Secretary determined good cause exists for modification of a compliance schedule, such as an act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy.

(5) Notwithstanding any other provision in this section, when a permit for a land disposal facility is reviewed by the Executive Secretary under R315-3-5.1(d), the Executive Secretary shall modify the permit as necessary to assure that the facility continues to comply with the currently applicable requirements in these rules.

(b) Causes for modification or revocation and reissuance. The following are causes to modify, or, alternatively, revoke and reissue a permit;

(1) Cause exists for termination under R315-3-4.4 and the Executive Secretary determines that modification or revocation and reissuance is appropriate.

(2) The Executive Secretary has received notification as required in the permit, see R315-3-3.1(l)(3) of a proposed transfer of the permit.

(c) Facility siting. Suitability of the facility location may not be considered at the time of permit modification or revocation and reissuance unless new information or standards indicate that a threat to human health or the environment exists which was unknown at the time of permit issuance.

4.3 PERMIT MODIFICATION AT THE REQUEST OF THE PERMITTEE

The requirements of 40 CFR 270.42, including Appendix I, 2000 ed., are adopted and incorporated by reference with the following exception;

substitute "Executive Secretary" for all Federal regulation references made to "Director" or "Administrator";

4.4 TERMINATION OF PERMITS

(a) The following are causes for terminating a permit during its term, or for denying a permit renewal application:

(1) Noncompliance by the permittee with any condition of the permit;

(2) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or

(3) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

(b) The Executive Secretary shall follow the applicable procedures in R315-4 in terminating any permit under R315-3-4.4.

R315-3-5. Expiration and Continuation of Permits.

5.1 DURATION OF PERMITS

(a) Hazardous waste operation permits shall be effective for a fixed term not to exceed ten years.

(b) Except as provided in R315-3-5.2, the term of a permit shall not be extended by modification beyond the maximum duration specified in R315-3-5.1.

(c) The Executive Secretary may issue any permit for a duration that is less than the full allowable term under this section.

(d) Each permit for a land disposal facility shall be reviewed by the Board five years after the date of permit issuance or reissuance and shall be modified as necessary, as provided in R315-3-4.2.

5.2 CONTINUATION OF EXPIRING PERMITS

(a) The conditions of an expired permit continue in force until the effective date of a new permit if:

(1) The permittee has submitted a timely application under R315-3-2.5 and the applicable requirements of R315-3-2.5 and the applicable sections in R315-3-2.6 through R315-3-2.20, which is a complete application for a new permit; and

(2) The Executive Secretary through no fault of the permittee, does not issue a new permit with an effective date on or before the expiration date of the previous permit, for example, when issuance is impracticable due to time or resource constraints.

(b) Effect. Permits continued under this section remain fully effective and enforceable.

(c) Enforcement. When the permittee is not in compliance with the conditions of the expiring or expired permit, the Executive Secretary or Board or both may choose to do any or all of the following:

(1) Initiate enforcement action based upon the permit which has been continued;

(2) Issue a notice of intent to deny the new permit under R315-4-1.6. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) Issue a new permit under R315-4 with appropriate conditions;

(4) Take other actions authorized by these rules.

(d) State Continuation. If the permittee has submitted a timely and complete application, including timely and adequate response to any deficiency notice, for permit under applicable State law and rules, the terms and conditions of an EPA issued RCRA permit shall continue in force until the effective date of the State's issuance or denial of a State permit.

(e) Permits which have been issued under authority of the Federal Resource Conservation and Recovery Act will be administered by the State when hazardous waste program authorization becomes effective.

R315-3-6. Special Forms of Permits.

6.1 PERMITS BY RULE

Notwithstanding any other provision of R315-3 and R315-4, the following shall be deemed to have an approved hazardous waste permit if the conditions listed are met:

(a) Injection wells. The owner or operator of an injection well disposing of hazardous waste, if the owner or operator:

(1) Has a permit for underground injection issued under State or Federal law.

(2) Complies with the conditions of that permit and the requirements in R317-7, Underground Injection Control Program, for managing hazardous waste in a well.

(3) For UIC permits issued after November 8, 1984:

(i) Complies with R315-8-6.12; and

(ii) Where the UIC well is the only unit at a facility which requires a permit, complies with R315-3-2.5(d).

(b) Publicly owned treatment works. The owner or operator of a POTW which accepts hazardous waste, for treatment if the owner or operator:

(1) Has an NPDES permit;

(2) Complied with the conditions of that permit;

(3) Complies with the following rules;

(i) R315-8-2.2, Identification number;

(ii) R315-8-5.2, Use of manifest system;

(iii) R315-8-5.4, Manifest discrepancies;

(iv) R315-8-5.3, which incorporates by reference 40 CFR 264.73(a) and (b)(1), Operating record;

(v) R315-8-5.6, Biennial report;

(vi) R315-8-5.7, Unmanifested waste report; and

(vii) R315-8-6.12, For NPDES permits issued after November 8, 1984.

(4) If the waste meets all Federal, State, and local pretreatment requirements which would be applicable to the waste if it were being discharged into the POTW through a sewer, pipe, or similar conveyance.

(c) Elementary Neutralization Units and Wastewater Treatment Units, as defined in 40 CFR 270.2, which R315-1-1(d) incorporates by reference.

6.2 EMERGENCY PERMITS

(a) Notwithstanding any other provision of R315-3 or R315-4, in the event the Executive Secretary finds an imminent and substantial endangerment to human health or the environment the Executive Secretary may issue a temporary emergency permit: (1) to a non-permitted facility to allow treatment, storage, or disposal of hazardous waste or (2) to a permitted facility to allow treatment, storage, or disposal of a hazardous waste not covered by an effective permit.

(b) This emergency permit:

(1) May be oral or written. If oral, it shall be followed in five days by a written emergency permit;

(2) Shall not exceed 90 days in duration;

(3) Shall clearly specify the hazardous waste to be received, and the manner and location of their treatment, storage, or disposal;

(4) May be terminated by the Executive Secretary at any time without process if he determines that termination is appropriate to protect human health and the environment;

(5) Shall be accompanied by a public notice published under R315-4-1.10(b) including:

(i) Name and address of the office granting the emergency authorization;

(ii) Name and location of the permitted hazardous waste management facility;

(iii) A brief description of the wastes involved;

(iv) A brief description of the action authorized and reasons for authorizing it; and

(v) Duration of the emergency permit; and

(6) Shall incorporate, to the extent possible and not inconsistent with the emergency situation, all applicable requirements of R315-3,R315-8, and R315-14.

6.3 HAZARDOUS WASTE INCINERATOR PERMITS

When an owner or operator demonstrates compliance with the air emission standards and limitations in R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements of R315-3-6.3 do not apply. Nevertheless, the Executive Secretary may apply the provisions of R315-3-6.3, on a case-by-case basis, for purposes of information collection in accordance with R315-3-2.1(j) and R315-3-3.3(b)(2).

(a) For the purposes of determining operational readiness following completion of physical construction, the Executive Secretary shall establish permit conditions, including but not limited to allowable waste feeds and operating conditions, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to bring the incinerator to a point of operational readiness sufficient to conduct a trial burn, not to exceed 720 hours operating time for treatment of hazardous waste. The Executive Secretary may extend the duration of this operational period once, for up to 720 additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to R315-3-4.3, which incorporates by reference 40 CFR 270.42.

(1) Applicants shall submit a statement, with part B of the permit application, which suggests the conditions necessary to operate in compliance with the performance standards of R315-8-15.4 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in R315-8-15.6.

(2) The Executive Secretary will review this statement and any other relevant information submitted with part B of the permit and specify requirements for this period sufficient to meet the performance standards of R315-8-15.4 based on its engineering judgment.

(b) For the purpose of determining feasibility of compliance with the performance standards of R315-8-15.4, and of determining adequate operating conditions under R315-8-15.6, the Executive Secretary shall establish conditions in the permit to a new hazardous waste incinerator to be effective during the trial burn.

(1) Applicants shall propose a trial burn plan, prepared under R315-3-6.3(b)(2) with part B of the permit application.

(2) The trial burn plan shall include the following information:

(i) An analysis of each waste or mixture of wastes to be burned which includes:

(A) Heat value of the waste in the form and composition

in which it will be burned.

(B) Viscosity, if applicable, or description of physical form of the waste.

(C) An identification of any hazardous organic constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis shall be identified, and the basis for their exclusion stated. The waste analysis shall rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11 and 270.6, see R315-1-2, or other equivalent.

(D) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11 and 270.6, see R315-1-2, or, their equivalent.

(ii) A detailed engineering description of the incinerator for which the permit is sought including:

(A) Manufacturer's name and model number of incinerator, if available.

(B) Type of incinerator.

(C) Linear dimensions of the incinerator unit including the cross sectional area of combustion chamber.

(D) Description of the auxiliary fuel system type and feed.

(E) Capacity of prime mover.

(F) Description of automatic waste feed cut-off system(s).

(G) Stack gas monitoring and pollution control equipment.

(H) Nozzle and burner design.

(I) Construction materials.

(J) Location and description of temperature, pressure, and flow indicating and control devices.

(iii) A detailed description of sampling and monitoring procedures, including sampling and monitoring locations of the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

(iv) A detailed test schedule for each waste for which the trial burn is planned including date(s), duration, quantity of waste to be burned, and other factors relevant to the Executive Secretary's decision under R315-3-6.3(b)(5).

(v) A detailed test protocol, including, for each waste identified, the ranges of temperature, waste feed rate, combustion gas velocity, use of auxiliary fuel, and any other relevant parameters that will be varied to affect the destruction and removal efficiency of the incinerator.

(vi) A description of, and planned operating conditions for, any emission control equipment which will be used.

(vii) Procedures for rapidly stopping waste feed, shutting down the incinerator, and controlling emissions in the event of an equipment malfunction.

(viii) All other information as the Executive Secretary reasonably finds necessary to determine whether to approve the trial burn plan in light of the purpose of this paragraph and the criteria in R315-3-6.3(b)(5).

(3) The Executive Secretary, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this paragraph.

(4) Based on the waste analysis data in the trial burn plan, the Executive Secretary will specify as trial Principal Organic Hazardous Constituents (POHCs), those constituents for which destruction and removal efficiencies shall be calculated during the trial burn. These trial POHCs will be specified by the Executive Secretary based on his estimate of the difficulty of incineration of the constituents identified in the waste analysis, their concentration or mass in the waste feed, and, for wastes listed in R315-2-10, the hazardous waste organic constituent or constituents identified in R315-50-9 as the basis for listing.

(5) The Executive Secretary shall approve a trial burn plan if it finds that:

(i) The trial burn is likely to determine whether the incinerator performance standard required by R315-8-15.4 can be met;

(ii) The trial burn itself will not present an imminent hazard to human health or the environment;

(iii) The trial burn will help the Executive Secretary to determine operating requirements to be specified under R315-8-15.6; and

(iv) The information sought in R315-3-6.3(b)(5)(i) and (ii) cannot reasonably be developed through other means.

(6) The Executive Secretary shall send a notice to all persons on the facility mailing list as set forth in R315-4-1.10(c)(1)(v) and to the appropriate units of State and local government as set forth in R315-4-1.10(c)(1)(iv) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the Executive Secretary has issued such notice.

(i) This notice shall be mailed within a reasonable time period before the scheduled trial burn. An additional notice is not required if the trial burn is delayed due to circumstances beyond the control of the facility or the Division.

(ii) This notice shall contain:

(A) The name and telephone number of the applicant's contact person;

(B) The name and telephone number of the Division;

(C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and

(D) An expected time period for commencement and completion of the trial burn.

(7) During each approved trial burn, or as soon after the burn as is practicable, the applicant shall make the following determinations:

(i) A quantitative analysis of the trial POHCs in the waste feed to the incinerator.

(ii) A quantitative analysis of the exhaust gas for the concentration and mass emissions of the trial POHC, oxygen (O_2) and hydrogen chloride (HCl).

(iii) A quantitative analysis of the scrubber water, if any, ash residues, and other residues, for the purpose of estimating the fate of the trial POHCs.

(iv) A computation of destruction and removal efficiency (DRE), in accordance with the DRE formula specified in R315-

8-15.4(a).

(v) If the HC1 emission rate exceeds 1.8 kilograms of HC1 per hour (4 pounds per hour), a computation of HC1 removal efficiency in accordance with R315-8-15.4(b).

(vi) A computation of particulate emissions in accordance with R315-8-15.4(c).

(vii) An identification of sources of fugitive emissions and their means of control.

(viii) A measurement of average, maximum, and minimum temperatures and combustion gas velocity.

(ix) A continuous measurement of carbon monoxide (CO) in the exhaust gas.

(x) All other information as the Executive Secretary may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in R315-8-15.4 and to establish the operating conditions required by R315-8-15.6 as necessary to meet that performance standard.

(8) The applicant shall submit to the Executive Secretary a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and shall submit the results of all the determinations required in R315-3-6.3(b)(7). This submission shall be made within 90 days of completion of the trial burn, or later if approved by the Executive Secretary.

(9) All data collected during any trial burn shall be submitted to the Executive Secretary following the completion of the trial burn.

(10) All submissions required by this paragraph shall be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under R315-3-2.2.

(11) Based on the results of the trial burn, the Executive Secretary shall set the operating requirements in the final permit according to R315-8-15.6. The permit modification shall proceed according to R315-3-4.3, which incorporates by reference 40 CFR 270.42.

(c) For the purpose of allowing operation of a new hazardous waste incinerator following completion of the trial burn and prior to final modification of the permit conditions to reflect the trial burn results, the Executive Secretary may establish permit conditions, including but no limited to allowable waste feeds and operating conditions sufficient to meet the requirements of R315-8-15.6, in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to complete sample analysis, data computation and submission of the trial burn results by the applicant, and modification of the facility permit by the Executive Secretary.

(1) Applicants shall submit a statement, with part B of the permit application, which identifies the conditions necessary to operate in compliance with the performance standards of R315-8-15.4 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in R315-8-15.6.

(2) The Executive Secretary will review this statement and any other relevant information submitted with part B of the permit application and specify those requirements for this period most likely to meet the performance standards of R315-8-15.4 based on its engineering judgment.

(d) For the purposes of determining feasibility of compliance with the performance standards of R315-8-15.4 and of determining adequate operating conditions under R315-8-15.6, the applicant for a permit for an existing hazardous waste incinerator shall prepare and submit a trial burn plan and perform a trial burn in accordance with R315-3-2.10(b) and R315-3-6.3(b)(2) through (b)(5) and (b)(7) through (b)(10) or, instead, submit other information as specified in R315-3-2.10(c). The Executive Secretary shall announce his or her intention to approve the trial burn plan in accordance with the timing and distribution requirements of R315-3-6.3(b)(6). The contents of the notice shall include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the Division; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for agency approval of the plan and the time period during which the trial burn would be conducted. Applicants submitting information under R315-3-2.10(a) are exempt from compliance with R315-8-15.4 and R315-8-15.6 and, therefore, are exempt from the requirement to conduct a trial burn. Applicants who submit trial burn plans and receive approval before submission of a permit application shall complete the trial burn and submit the results, specified in R315-3-6.3(b)(7), with part B of the permit application. If completion of this process conflicts with the date set for submission of the part B application, the applicant shall contact the Executive Secretary to establish a later date for submission of the part B application or the trial burn results. Trial burn results shall be submitted prior to issuance of the permit. When the applicant submits a trial burn plan with part B of the permit application, the Executive Secretary will specify a time period prior to permit issuance in which the trial burn shall be conducted and the results submitted.

6.4 PERMITS FOR LAND TREATMENT DEMONSTRATIONS USING FIELD TEST OR LABORATORY ANALYSES

(a) For the purpose of allowing an owner or operator to meet the treatment demonstration requirements of R315-8-13.3, the Executive Secretary may issue a treatment demonstration permit. The permit shall contain only those requirements necessary to meet the standards in R315-8-13.3(c). The permit may be issued either as a treatment or disposal approval covering only the field test or laboratory analyses, or as a two-phase facility approval covering the field tests, or laboratory analyses, and design, construction, operation and maintenance of the land treatment unit.

(1) The Executive Secretary may issue a two-phase facility permit if they find that, based on information submitted in part B of the application, substantial, although incomplete or inconclusive, information already exists upon which to base the issuance of a facility permit.

(2) If the Executive Secretary finds that not enough information exists upon which they can establish permit conditions to attempt to provide for compliance with all the requirements of R315-8-13, he shall issue a treatment demonstration permit covering only the field test or laboratory analyses.

(b) If the Executive Secretary finds that a phased permit may be issued, he will establish, as requirements in the first phases of the facility permit, conditions for conducting the field tests or laboratory analyses. These permit conditions will include design and operating parameters, including the duration of the tests or analyses and, in the case of field tests, the horizontal and vertical dimensions of the treatment zone, monitoring procedures, post-demonstration cleanup activities, and any other conditions which the Executive Secretary finds may be necessary under R315-8-13.3(c). The Executive Secretary will include conditions in the second phase of the facility permit to attempt to meet all R315-8-13 requirements pertaining to unit design, construction, operation, and maintenance. The Executive Secretary will establish these conditions in the second phase of the permit based upon the substantial but incomplete or inconclusive information contained in the part B application.

(1) The first phase of the permit will be effective as provided in R315-4-1.15.

(2) The second phase of the permit will be effective as provided in R315-3-6.4(d).

(c) When the owner or operator who has been issued a two-phase permit has completed the treatment demonstration, he shall submit to the Executive Secretary certification, signed by a person authorized to sign a permit application or report under R315-3-2.2, that the field tests or laboratory analyses have been carried out in accordance with the conditions specified in phase one of the permit for conducting the tests or analyses. The owner or operator shall also submit all data collected during the field tests or laboratory analyses within 90 days of completion of those tests or analyses unless the Executive Secretary approves a later date.

(d) If the Executive Secretary determines that the results of the field tests or laboratory analyses meet the requirements of R315-8-13.3, he will modify the second phase of the permit to incorporate any requirement necessary for operation of the facility in compliance with R315-8-13, based upon the results of the field tests or laboratory analyses.

(1) This permit modification may proceed under R315-3-4.3, which incorporates by reference 40 CFR 270.42, or otherwise will proceed as a modification under R315-3-4.2(a)(2). If such modifications are necessary, the second phase of the permit will become effective only after those modifications have been made.

(2) If no modification of the second phase of the permit are necessary, the Executive Secretary will give notice of his final decision to the permit applicant and to each person who submitted written comments on the phased permit or who requested notice of final decision on the second phase of the permit. The second phase of the permit then will become effective as specified in R315-4-1.15(b).

6.5 RESEARCH, DEVELOPMENT, AND DEMONSTRATION PERMITS

(a) The Executive Secretary may issue a research, development, and demonstration permit for any hazardous waste treatment facility which proposes to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for any experimental activity have not been promulgated under R315-8 and R315-14. Any such permits shall include such terms and conditions as will assure protection of human health and the environment. These permits:

(1) Shall provide for the construction of these facilities as necessary, and for operation of the facility for not longer than one year unless renewed as provided in R315-3-6.5(d), and

(2) Shall provide for the receipt and treatment by the facility of only those types and quantities of hazardous waste which the Executive Secretary deems necessary for purposes of determining the efficiency and performance capabilities of the technology or process and the effects of the technology or process on human health and the environment; and

(3) Shall include all requirements as the Executive Secretary deems necessary to protect human health and the environment, including, but not limited to requirements regarding monitoring, operation, financial responsibility, closure, and remedial action, and all requirements as the Executive Secretary or Board or both deems necessary regarding testing and providing of information to the Executive Secretary with respect to the operation of the facility.

(b) For the purpose of expediting review and issuance of permit under this section, the Executive Secretary may, consistent with the protection of human health and the environment, modify or waive permit application and permit issuance requirements in R315-3 and R315-4 except that there may be no modification or waiver of regulations regarding financial responsibility, including insurance, or of procedures regarding public participation.

(c) The Executive Secretary or Board or both may order an immediate termination of all operations at the facility at any time they determine that termination is necessary to protect human health and the environment.

(d) Any permit issued under this section may be renewed not more than three times. Each renewal shall be for a period of not more than one year.

6.6 PERMITS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE

The requirements of 40 CFR 270.66, 2000 ed., are adopted and incorporated by reference with the following exception:

Substitute "Executive Secretary" for all references made to "Director."

6.7 REMEDIAL ACTION PLANS

Remedial Action Plans (RAPs) are special forms of permits that are regulated under R315-3-8, which incorporates by reference 40 CFR 270, subpart H.

R315-3-7. Interim Status.

7.1 QUALIFYING FOR INTERIM STATUS

(a) Any person who owns or operates an "existing hazardous waste management facility" or a facility in existence on the effective date of statutory or regulatory amendments under the State or Federal Act that render the facility subject to the requirement to have a RCRA permit or State permit shall have interim status and shall be treated as having been issued a permit to the extent he or she has:

(1) Complied with the Federal requirements of section 3010(a) of RCRA pertaining to notification of hazardous waste activity or the notification requirements of these rules.

Comment: Some existing facilities may not be required to

file a notification under section 3010(a) of RCRA. These facilities may qualify for interim status by meeting R315-3-7.1(a)(2).

(2) Complied with the requirements of 40 CFR 270.10 or R315-3-2.1 governing submission of part A applications;

(b) Failure to qualify for interim status. If the Executive Secretary has reason to believe upon examination of a part A application that it fails to meet the requirements of R315-3-2.4, the Executive Secretary shall notify the owner or operator in writing of the apparent deficiency. The notice shall specify the grounds for the Executive Secretary's belief that the application is deficient. The owner or operator shall have 30 days from receipt to respond to the notification and to explain or cure the alleged deficiency in his part A application. If, after the notification and opportunity for response, the Executive Secretary determines that the application is deficient he may take appropriate enforcement action.

(c) R315-3-7.1(a) shall not apply to any facility which has been previously denied a permit or RCRA permit or if authority to operate the facility under State or Federal authority has been previously terminated.

7.2 OPERATION DURING INTERIM STATUS

(a) During the interim status period the facility shall not:

(1) Treat, store, or dispose of hazardous waste not specified in part A of the permit or permit application;

(2) Employ processes not specified in part A of the permit or permit application; or

(3) Exceed the design capacities specified in part A of the permit or permit application.

(b) Interim status standards. During interim status, owners or operators shall comply with the interim status standards in R315-7.

7.3 CHANGES DURING INTERIM STATUS

(a) Except as provided in R315-3-7.3(b), the owner or operator of an interim status facility may make the following changes at the facility:

(1) Treatment, storage, or disposal of new hazardous wastes not previously identified in part A of the permit application and, in the case of newly listed or identified wastes, addition of the units being used to treat, store, or dispose of the hazardous wastes on the effective date of the listing or identification if the owner or operator submits a revised part A permit application prior to treatment, storage, or disposal;

(2) Increases in the design capacity of processes used at the facility if the owner or operator submits a revised part A permit application prior to a change, along with a justification explaining the need for the change, and the Executive Secretary approves the changes because:

(i) There is a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, or

(ii) The change is necessary to comply with a Federal, State, or local requirement.

(3) Changes in the processes for the treatment, storage, or disposal of hazardous waste or addition of processes if the owner or operator submits a revised part A permit application prior to such change, along with a justification explaining the need for the change, and the Executive Secretary approves the change because:

(i) The change is necessary to prevent a threat to human health and the environment because of an emergency situation, or

(ii) The change is necessary to comply with a Federal, State, or local requirement.

(4) Changes in the ownership or operational control of a facility if the new owner or operator submits a revised part A permit application no later than 90 days prior to the scheduled change. When a transfer of operational control of a facility occurs, the old owner or operator shall comply with the requirements of R315-7-15, which incorporates by reference 40 CFR 265 subpart H, until the new owner or operator has demonstrated to the Executive Secretary that he is complying with the requirements of that subpart. The new owner or operator shall demonstrate compliance with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, within six months of the date of the change in ownership or operational control of the facility. Upon demonstration to the Executive Secretary by the new owner or operator of compliance with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, the Executive Secretary shall notify the old owner or operator in writing that he no longer needs to comply with R315-7-15, which incorporates by reference 40 CFR 265 subpart H, as of the date of demonstration. All other interim status duties are transferred effective immediately upon the date of the change in ownership or operational control of the facility.

(5) Changes made in accordance with an interim status corrective action order issued, under 19-6-105(d), or by EPA under section 3008(h) RCRA or other Federal authority or by a court in a judicial action brought by EPA or by an authorized State. Changes under this paragraph are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.

(6) Addition of newly regulated units for the treatment, storage, or disposal of hazardous waste if the owner or operator submits a revised part A permit application on or before the date on which the unit becomes subject to the new requirements.

(b) Except as specifically allowed under this paragraph, changes listed under R315-3-7.3(a) may not be made if they amount to reconstruction of the hazardous waste management facility. Reconstruction occurs when the capital investment in the changes to the facility exceeds 50 percent of the capital cost of a comparable entirely new hazardous waste management facility. If all other requirements are met, the following changes may be made even if they amount to a reconstruction:

(1) Changes made solely for the purposes of complying with the requirements of R315-7-17, which incorporates by reference 40 CFR 265.193, for tanks and ancillary equipment.

(2) If necessary to comply with Federal, State, or local requirements, changes to an existing unit, changes solely involving tanks or containers, or addition of replacement surface impoundments that satisfy the standards of section 3004(o) of RCRA.

(3) Changes that are necessary to allow owners or operators to continue handling newly listed or identified hazardous wastes that have been treated, stored, or disposed of at the facility prior to the effective date of the rule establishing the new listing or identification.

(4) Changes during closure of a facility or of a unit within

a facility made in accordance with an approved closure plan.

(5) Changes necessary to comply with an interim status corrective action order issued, under subsection 19-6-105(d), or by EPA under section 3008(h) of RCRA or other Federal authority, or by a court in a judicial proceeding brought by EPA, provided that such changes are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility.

(6) Changes to treat or store, in tanks or containers, or containment buildings, hazardous wastes subject to land disposal restrictions imposed by R315-13, which incorporates by reference 40 CFR 268, or R315-8, provided that these changes are made solely for the purpose of complying with R315-13, which incorporates by reference 40 CFR 268, or R315-8.

(7) Addition of newly regulated units under R315-3-7.3(a)(6).

(8) Changes necessary to comply with standards under 40 CFR part 63, subpart EEE - National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors.

7.4 TERMINATION OF INTERIM STATUS

Interim status terminates when:

(a) Final administrative disposition of a permit application, except an application for a remedial action plan (RAP) under R315-3-8, which incorporates by reference 40 CFR 270, subpart H, is made.

(b) Interim status is terminated as provided in R315-3-2.1(d)(5).

(c) For owners or operators of each land disposal facility which has been granted interim status prior to November 8, 1984, on November 8, 1985, unless:

(1) The owner or operator submits a part B application for a permit for a facility prior to that date; and

(2) The owner or operator certifies that the facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(d) For owners or operators of each land disposal facility which is in existence on the effective date of statutory or regulatory amendments under the Federal Act that render the facility subject to the requirement to have a RCRA permit and which is granted interim status, twelve months after the date on which the facility first becomes subject to the permit requirement unless the owner or operator of the facility:

(1) Submits a part B application for a permit for the facility before the date 12 months after the date on which the facility first becomes subject to the permit requirement; and

(2) Certifies that the facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(e) For owners or operators of any land disposal unit that is granted authority to operate under R315-3-7.3(a)(1), (2) or (3), on the date 12 months after the effective date of the requirement, unless the owner or operator certifies that this unit is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(f) For owners or operators of each incinerator facility which has achieved interim status prior to November 8, 1984, interim status terminates on November 8, 1989, unless the owner or operator of the facility submits a part B application for a permit for an incinerator facility by November 8, 1986.

(g) For owners or operators of any facility, other than a land disposal or an incinerator facility, which has achieved interim status prior to November 8, 1984, interim status terminates on November 8, 1992, unless the owner or operator of the facility submits a part B application for a hazardous waste permit for the facility by November 8, 1988.

R315-3-8. Remedial Action Plans (RAPs).

The requirements of 40 CFR 270, subpart H, which includes sections 270.79 through 270.230, 2000 ed., are adopted and incorporated by reference with the following exception:

substitute "Executive Secretary" for all Federal regulation references made to "Director."

KEY: hazardous waste
July 20, 2001 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-4. Procedures for Decisionmaking.
R315-4-1. General Program Requirements.

1.3 APPLICATION FOR A PERMIT

(a) If the Executive Secretary decides that a site visit is necessary for any reason in conjunction with the processing of an application, he shall notify the applicant and a reasonable date shall be scheduled.

(b) The effective date of an application is the date on which the Executive Secretary notifies the applicant that the application is complete as provided in R315-3-2.1(c).

(c) For each application from a major new hazardous waste management facility, the Executive Secretary shall no later than the effective date of the application, prepare and mail to the applicant a project decision schedule. The schedule shall specify target dates by which the Executive Secretary intends to:

(1) Prepare a draft permit;

(2) Give public notice;

(3) Complete the public comment period, including any public hearing; and

(4) Issue a final permit.

1.5 MODIFICATION, REVOCATION AND REISSUANCE, OR TERMINATION OF PERMITS

(a) Permits may be modified, revoked and reissued, or terminated either at the request of any interested person, including the permittee, or upon the Executive Secretary's initiative. However, permits may only be modified, revoked and reissued, or terminated for the reasons specified in R315-3-4.2 or R315-3-4.4. All requests shall be in writing and shall contain facts or reasons supporting the request.

(b) If the Executive Secretary decides the request is not justified, he shall send the requester a brief written response giving a reason for the decision. Denials of requests for modification, revocation and reissuance, or termination are not subject to public notice, comment, or hearings. Denials by the Executive Secretary may be appealed to the Board under R315-12-3 by filing a Request for Agency Action pursuant to R315-12-3.1.

(c)(1) If the Executive Secretary tentatively decides to modify or revoke and reissue a permit under R315-3-4.2 or R315-3-4.3, which incorporates by reference 40 CFR 270.42(c), he shall prepare a draft permit under R315-4-1.6 incorporating the proposed changes. The Executive Secretary may request additional information and, in the case of a modified permit, may require the submission of an updated permit application. In the case of revoked and reissued permits, the Executive Secretary shall require the submission of a new application.

(2) In a permit modification under this section, only those conditions to be modified shall be reopened when a new draft permit is prepared. All other aspects of the existing permit shall remain in effect for the duration of the unmodified plan. When a plan is revoked and reissued under this section, the entire permit is reopened just as if the permit had expired and was being reissued. During any revocation and reissuance proceeding, the permittee shall comply with all conditions of the existing permit until a new final permit is reissued.

(3) Classes 1 and 2 modifications, as defined in R315-3-4.3, which incorporates by reference 40 CFR 270.42(a) and (b), are not subject to the requirements of this section.

(d) If the Executive Secretary tentatively decides to terminate a permit under R315-3-4.4, he shall issue a notice of intent to terminate. A notice of intent to terminate is a type of draft permit which follows the same procedures as any draft permit prepared under R315-4-1.6.

1.6 DRAFT PERMIT

(a) Once an application is complete, the Executive Secretary shall tentatively decide whether to prepare a draft permit or to deny the application.

(b) If the Executive Secretary tentatively decides to deny the permit, he shall issue a notice of intent to deny. A notice of intent to deny the permit application is a type of draft permit which follows the same procedures as any draft permit prepared under this section. If the Executive Secretary's final decision is that the tentative decision to deny the permit application was incorrect, he shall withdraw the notice of intent to deny and proceed to prepare a draft permit under R315-4-1.6(c).

(c) If the Executive Secretary decides to prepare a draft permit, he shall prepare a draft permit that contains the following information:

(1) All conditions under R315-3-3.1 and R315-3-3.3;

(2) All compliance schedules under R315-3-3.4;

(3) All monitoring requirements under R315-3-.2; and

(4) Standards for treatment, storage, or disposal or all and other permit conditions under R315-3-3.1.

(d) All draft permits prepared by the Executive Secretary under this section shall be publicly noticed and made available for public comment. The Executive Secretary shall give notice of opportunity for a public hearing, issue a final decision, and respond to comments.

1.8 FACT SHEET REQUIRED

(a) A fact sheet shall be prepared by the Executive Secretary for every draft permit. The fact sheet shall briefly set forth the principal facts and the significant factual, legal, methodological and policy questions considered in preparing the draft permit. The Executive Secretary shall send this fact sheet to the applicant and, on request, to any other person.

(b) The fact sheet shall include, when applicable:

(1) A brief description of the type of facility or activity which is the subject of the draft permit.

(2) The type and quantity of wastes, fluids, or pollutants which are proposed to be or are being treated, stored, disposed of, injected, emitted, or discharged.

(3) A brief summary of the basis of the draft permit conditions including references to applicable statutory or regulatory provisions and appropriate supporting references.

(4) Reasons why any requested variance or alternatives to required standards do or do not appear justified.

(5) A description of the procedures for reaching a final decision on the draft permit including:

(i) The beginning and ending dates of the comment period under R315-4-1.10 and the address where comments will be received;

(ii) Procedures for requesting a hearing and the nature of that hearing; and

(iii) Any other procedures by which the public may participate in the final decision.

(6) Name and telephone number of a person to contact for additional information.

1.10 PUBLIC NOTICE OF PERMIT ACTIONS AND PUBLIC COMMENT PERIOD

(a) Scope.

(1) The Executive Secretary shall give public notice that the following actions have occurred:

(i) The permit application has been tentatively denied under R315-4-1.6(b).

(ii) A draft permit has been prepared under R315-4-1.6(c).

(iii) A hearing has been scheduled under R315-4-1.12; or

(iv) An appeal has been granted by the Board.

(2) No public notice is required when a request for a permit modification, revocation and reissuance, or termination is denied under R315-4-1.5(b). Written notice of that denial shall be given to the requestor and to the permittee.

(3) Public notices may describe more than one permit or permit action.

(b) Timing.

(1) Public notice of the preparation of a draft permit, including a notice of intent to deny a permit application, required under R315-4-1.10(a), shall allow at least 45 days for public comment.

(2) Public notice of a public hearing shall be given at least 30 days before the hearing. Public notice of the hearing may be given at the same time as public notice of the draft permit and the two notices may be combined.

(c) Methods.

Public notices of activities described in R315-4-1.10(a)(1) shall be given by the following methods:

(1) By mailing a copy of a notice to the following persons:

(i) The applicant;

(ii) Any other agency which the Executive Secretary knows has issued or is required to issue a permit, for the same facility or activity including EPA;

(iii) Federal and State agencies with jurisdiction over fish, and wildlife resources, State Historic Preservation Officers, and other appropriate government authorities;

(iv) Persons on a mailing list developed by:

(A) Including those who request in writing to be on the list;

(B) Soliciting persons for area lists from participants in past permit proceedings in the area of the facility; and

(C) Notifying the public of the opportunity to be put on the mailing list through periodic publication in the public press and in regional- and state-funded newsletters, environmental bulletins, or law journals. The Executive Secretary may update the mailing list by requesting written indication of continued interest from those listed. The Executive Secretary may delete from the list the name of any person who fails to respond to a request from the Executive Secretary to remain on the mailing list; and

(v)(A) To any unit of local government having jurisdiction over the area where the facility is proposed to be located;

(B) To each State agency having any authority under State law with respect to the construction or operation of the facility.

(2) Publication of a notice in a daily or weekly newspaper within the area affected by the facility or activity and broadcast over local radio stations;

(3) In a manner constituting legal notice to the public under State law; and

(4) Any other method reasonably calculated to give actual notice of the action in question to the person potentially affected by it, including press releases or any other forum or medium to elicit public participation.

(d)(1) All public notices issued under this section shall contain the following minimum information:

(i) Name and address of the permittee or permit applicant and, if different, of the facility or activity regulated by the permit;

(ii) A brief description of the business conducted at the facility or activity described in the permit application or draft permit;

(iii) Name, address and telephone number of a person from whom interested persons may obtain further information, including copies of the draft permit or fact sheet, and the application;

(iv) A brief description of the comment procedures required by R315-4-1.11 and R315-4-1.12, and the time and place of any hearing that will be held, including a statement of procedures to request a hearing, unless a hearing has already been scheduled and other procedures by which the public may participate in the final permit decision; and

(v) Any additional information considered necessary or proper.

(2) Public notices of hearings. In addition to the general public notice described in R315-4-1.10(d)(1), the public notice of a hearing under R315-4-1.12, shall contain the following information:

(i) Reference to the date of previous public notices relating the permit;

(ii) Date, time, and place of the hearing;

(iii) A brief description of the nature and purpose of the hearing, including the applicable rules and procedures; and

(e) In addition to the general public notice described in R315-4-1.10(d)(1), all persons identified in R315-4-1.10(c)(1)(i), (ii), and (iii) shall be mailed a copy of the fact sheet.

1.11 PUBLIC COMMENTS AND REQUESTS FOR PUBLIC HEARINGS

During the public comment period provided under R315-4-1.10, any interested person may submit written comments on the draft permit and may request a public hearing, if no hearing has already been scheduled. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. All comments shall be considered in making the final decision and shall be answered as provided in R315-4-1.17.

1.12 PUBLIC HEARINGS

(a)(1) The Executive Secretary shall hold a public hearing whenever he finds, on the basis of requests, a significant degree of public interest in a draft permit.

(2) The Executive Secretary may also hold a public hearing at his discretion, whenever, for instance, a hearing might clarify one or more issues involved in the permit decision.

(3)(i) The Executive Secretary shall hold a public hearing whenever he receives written notice of opposition to a draft permit and a request for a hearing within 45 days of public notice under R315-4-1.10(b).

(ii) Whenever possible the Executive Secretary shall

schedule a hearing under this section at a location convenient to the nearest population center to the proposed facility.

(4) Public notice of the hearing shall be given as specified in R315-4-1.10.

(b) Any person may submit oral or written statements and data concerning the draft permit. Reasonable limits may be set upon the time allowed for oral statements, and the submission of statements in writing may be required. The public comment period under R315-4-1.10 shall automatically be extended to the close of any public hearing under this section. The hearing officer may also extend the comment period by so stating at the hearing.

(c) A tape recording or written transcript of the hearing shall be made available to the public.

1.15 ISSUANCE AND EFFECTIVE DATE OF PERMIT

(a) After the close of the public comment period under R315-4-1.10 on a draft permit, the Executive Secretary shall issue a final permit decision (or a decision to deny a permit for the active life of a hazardous waste management facility or unit under R315-3-2.20). The Executive Secretary shall notify the applicant and each person who has submitted written comments or requested notice of the final permit decision. This notice shall include reference to the procedures for appealing a decision on a hazardous waste permit or a decision to terminate a hazardous waste permit. For the purposes of R315-4-1.15, a final permit decision means a final decision to issue, deny, modify, revoke and reissue, or terminate a permit.

(b) A final permit decision (or a decision to deny a permit for the active life of a hazardous waste management facility or unit under R315-3-2.20) shall become effective upon issuance unless:

(1) A later effective date is specified in the decision; or

(2) The permit decision is challenged under R315-12-3 and a stay of the decision is granted under R315-12-8.

1.17 RESPONSE TO COMMENTS

(a) At the time that any final permit decision is issued, the Executive Secretary shall issue a response to comments. This response shall:

(1) Specify which provisions, if any, of the draft permit have been changed in the final permit decision, and the reasons for the change; and

(2) Briefly describe and respond to all significant comments on the draft permit or permit application raised during the public comment period, or during any hearing.

(b) The response to comments shall be available to the public.

R315-4-2. Specific Procedures Applicable to Hazardous Waste Permits.

2.31 PRE-APPLICATION PUBLIC MEETING AND NOTICE

(a) Applicability. The requirements of this section shall apply to all part B applications seeking initial permits for hazardous waste management units. The requirements of this section shall also apply to part B applications seeking renewal of permits for such units, where the renewal application is proposing a significant change in facility operations. For the purposes of this section, a "significant change" is any change that would qualify as a class 3 permit modification under R315-3-4.3, which incorporates by reference 40 CFR 270.42. The requirements of this section do not apply to permit modifications under R315-3-4.3, which incorporates by reference 40 CFR 270.42, or to applications that are submitted for the sole purpose of conducting post-closure activities or post-closure activities and corrective action at a facility.

(b) Prior to the submission of a part B permit for a facility, the applicant shall hold at least one meeting with the public in order to solicit questions from the community and inform the community of proposed hazardous waste management activities. The applicant shall post a sign-in sheet or otherwise provide a voluntary opportunity for attendees to provide their names and addresses.

(c) The applicant shall submit a summary of the meeting, along with the list of attendees and their addresses developed under R315-4-2.31(b), and copies of any written comments or materials submitted at the meeting, to the Executive Secretary as a part of the part B application in accordance with R315-3-2.5(b).

(d) The applicant shall provide public notice of the pre-application meeting at least 30 days prior to the meeting. The applicant shall maintain, and provide to the Division upon request, documentation of the notice.

(1) The applicant shall provide public notice in all of the following forms:

(i) A newspaper advertisement. The applicant shall publish a notice, fulfilling the requirements in R315-4-2.31(d)(2), in a newspaper of general circulation in the county or equivalent jurisdiction that hosts the proposed location of the facility. In addition, the Executive Secretary shall instruct the applicant to publish the notice in newspapers of general circulation in adjacent counties or equivalent jurisdictions, where the Executive Secretary determines that such publication is necessary to inform the affected public. The notice shall be published as a display advertisement.

(ii) A visible and accessible sign. The applicant shall post a notice on a clearly marked sign at or near the facility, fulfilling the requirements in 315-4-2.31(d)(2). If the applicant places the sign on the facility property, then the sign shall be large enough to be readable from the nearest point where the public would pass by the site.

(iii) A broadcast media announcement. The applicant shall broadcast a notice, fulfilling the requirements in R315-4-2.31(d)(2), at least once on at least one local radio station or television station. The applicant may employ another medium with prior approval from the Executive Secretary.

(iv) A notice to the permitting agency. The applicant shall send a copy of the newspaper notice to the Division and local governments in accordance with R315-4-1.10(c)(1)(v).

(2) The notices required under R315-4-2.31(d)(1) shall include:

(i) The date, time, and location of the meeting;

(ii) A brief description of the purpose of the meeting;

(iii) A brief description of the facility and proposed operations, including the address or a map, e.g., a sketched or copied street map, of the facility location;

(iv) A statement encouraging people to contact the facility at least 72 hours before the meeting if they need special access to participate in the meeting; and

(v) The name, address, and telephone number of a contact person for the applicant.

2.32 PUBLIC NOTICE REQUIREMENTS AT THE APPLICATION STAGE

(a) Applicability. The requirements of this section shall apply to all part B applications seeking initial permits for hazardous waste management units. The requirements of this section shall also apply to part B applications seeking renewal of permits for such units under R315-3-5.2(b) through (d). The requirements of this section do not apply to permit modifications under R315-3-4.3, which incorporates by reference 40 CFR 270.42, or permit applications submitted for the sole purpose of conducting post-closure activities or post-closure activities and corrective action at a facility.

(b) Notification at application submittal.

(1) The Executive Secretary shall provide public notice as set forth in R315-4-1.10(c)(1)(iv), and notice to appropriate units of State and local government as set forth in R315-4-1.10(c)(1)(v), that a part B permit application has been submitted to the Division and is available for review.

(2) The notice shall be published within a reasonable period of time after the application is received by the Executive Secretary. The notice shall include:

(i) The name and telephone number of the applicant's contact person;

(ii) The name and telephone number of the Division, and a mailing address to which information, opinions, and inquiries may be directed throughout the permit review process;

(iii) An address to which people can write in order to be put on the facility mailing list;

(iv) The location where copies of the permit application and any supporting documents can be viewed and copied;

(v) A brief description of the facility and proposed operations, including the address or a map, e.g., a sketched or copied street map, of the facility location on the front page of the notice; and

(vi) The date that the application was submitted.

(c) Concurrent with the notice required under R315-4-2.32(b), the Executive Secretary shall place the permit application and any supporting documents in a location accessible to the public in the vicinity of the facility or at the Division's office.

2.33 INFORMATION REPOSITORY

(a) Applicability. The requirements of this section shall apply to all part B applications seeking initial permits for hazardous waste management units.

(b) The Executive Secretary may assess the need, on a case-by-case basis, for an information repository. When assessing the need for an information repository, the Executive Secretary shall consider a variety of factors, including: the level of public interest; the type of facility; the presence of an existing repository; and the proximity of the nearest copy of the administrative record. If the Executive Secretary determines, at any time after submittal of a permit application, that there is a need for a repository, then the Executive Secretary shall notify the facility that it shall establish and maintain an information repository. See R315-3-3.1(m) for similar provisions relating to the information repository during the life of a permit.

(c) The information repository shall contain all documents, reports, data, and information deemed necessary by the Executive Secretary to fulfill the purposes for which the repository is established. The Executive Secretary shall have the discretion to limit the contents of the repository.

(d) The information repository shall be located and maintained at a site chosen by the facility. If the Executive Secretary finds the site unsuitable for the purposes and persons for which it was established, due to problems with the location, hours of availability, access, or other relevant considerations, then the Executive Secretary shall specify a more appropriate site.

(e) The Executive Secretary shall specify requirements for informing the public about the information repository. At a minimum, the Executive Secretary shall require the facility to provide a written notice about the information repository to all individuals on the facility mailing list.

(f) The facility owner/operator shall be responsible for maintaining and updating the repository with appropriate information throughout a time period specified by the Executive Secretary. The Executive Secretary may close the repository at his or her discretion, based on the factors in R315-4-2.33(b).

R315-4-10. Public Participation.

In addition to hearings required under the State Administrative Procedures Act and proceedings otherwise outlined or referenced in these rules, the Executive Secretary will investigate and provide written response to all citizen complaints duly submitted. In addition, the Executive Secretary shall not oppose intervention in any civil or administrative proceeding by any citizen where permissive intervention may be authorized by statute, rule or regulation. The Executive Secretary will publish notice of and provide at least 30 days for public comment on any proposed settlement of any enforcement action.

R315-4-11. Commercial Hazardous Waste Facility Siting Criteria.

(a) Applicability.

R315-4-11 applies to all plan approval applications for commercial facilities that have been submitted and that have not yet been approved, as well as all future applications.

(b) Land Use Compatibility and Location.

(1) Siting of commercial hazardous waste treatment, storage, and disposal facilities, including commercial hazardous waste incinerators, is prohibited within:

(i) national, state, and county parks, monuments, and recreation areas; designated wilderness and wilderness study areas; wild and scenic river areas;

(ii) ecologically and scientifically significant natural areas, including but not limited to, wildlife management areas and habitat for listed or proposed endangered species as designated pursuant to the Endangered Species Act of 1982;

(iii) 100 year floodplains, unless, for non-land based facilities only, the conditions found in subsection R315-8-2.9 are met to the satisfaction of the Executive Secretary;

(iv) 200 ft. of Holocene faults;

(v) underground mines, salt domes and salt beds;

(vi) dam failure flood areas;

(vii) areas likely to be impacted by landslide, mudflow, or

other earth movement;

(viii) farmlands classified or evaluated as "prime," "unique," or of "statewide importance" by the U.S. Department of Agriculture Soil Conservation Service under the Prime Farmland Protection Act;

(ix) areas above aquifers containing ground water which has a total dissolved solids (TDS) content of less than 500 mg/l and which does not exceed applicable ground water quality standards for any contaminant. Land disposal facilities are also prohibited above aquifers containing ground water which has a TDS content of less than 3000 mg/l and which does not exceed applicable ground water quality standards for any contaminant. Non-land-based facilities above aquifers containing ground water which has a TDS content of 500 to 3000 mg/l and all facilities above aquifers containing ground water which has a TDS content between 3000 and 10,000 mg/l are permitted only where the depth to ground water is greater than 100 ft. The applicant for the proposed facility will make the demonstration of ground water quality necessary to determine the appropriate aquifer classification;

(x) recharge zones of aquifers containing ground water which has a TDS content of less than 3000 mg/l. Land disposal facilities are also prohibited in recharge zones of aquifers containing ground water which has a TDS content of less than 10,000 mg/l;

(xi) designated drinking water source protection areas or, if no source protection area is designated, a distance to existing drinking water wells and watersheds for public water supplies of one year ground water travel time plus 1000 feet for non-land-based facilities and five years ground water travel time plus 1000 feet for land disposal facilities. This requirement does not include on-site facility operation wells. The applicant for the proposed facility will make the demonstration, acceptable to the Executive Secretary, of hydraulic conductivity and other information necessary to determine the one or five year ground water travel distance as applicable. The facility operator may be required to conduct vadose zone or other near surface monitoring if determined to be necessary and appropriate by the Executive Secretary;

(xii) five miles of existing permanent dwellings, residential areas, and other incompatible structures including, but not limited to, schools, churches, and historic structures;

(xiii) five miles of surface waters including intermittent streams, perennial streams, rivers, lakes, reservoirs, estuaries, and wetlands; and

(xiv) 1000 ft. of archeological sites to which adverse impacts cannot reasonably be mitigated.

(c) Emergency Response and Transportation Safety.

(1) An assessment of the availability and adequacy of emergency services, including medical and fire response, shall be included in the plan approval application. The application shall also contain evidence that emergency response plans have been coordinated with local and regional emergency response personnel. Plan approval may be delayed or denied if these services are deemed inadequate.

(2) Trained emergency response personnel and equipment are to be retained by the facility and be capable of responding to emergencies both at the site and involving wastes being transported to and from the facility within the state. Details of the proposed emergency response capability shall be given in the plan approval application and will be stipulated in the plan approval.

(3) Proposed routes of transport within the state shall be specified in the plan approval application. No hazardous waste shall be transported on roads where weight restrictions for the road or any bridge on the road will be exceeded in the selected route of travel. Prime consideration in the selection of routes shall be given to roads which bypass population centers. Route selection should consider residential and non-residential populations along the route; the width, condition, and types of roads used; roadside development along the route; seasonal and climatic factors; alternate emergency access to the facility site; the type, size, and configuration of vehicles expected to be hauling to the site; transportation restrictions along the proposed routes; and the transportation means and routes available to evacuate the population at risk in the event of a major accident, including spills and fires.

(d) Exemptions.

Exemptions from the criteria of this section may be granted upon application on a case by case basis by the Solid and Hazardous Waste Control Board after an appropriate public comment period and when the Board determines that there will be no adverse impacts to public health or the environment. The Board cannot grant exemptions which would conflict with applicable regulations and restrictions of other regulatory authorities.

(e) Completeness of Application.

The plan approval application shall not be considered complete until the applicant demonstrates compliance with the criteria given herein.

(f) Siting Authority.

It is recognized that Titles 10 and 17 of the Utah Code give cities and counties authority for local land use planning and zoning. Nothing in these rules precludes cities and counties from establishing additional requirements as provided by applicable state and federal law.

KEY: hazardous waste
October 20, 2000 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-5. Hazardous Waste Generator Requirements.
R315-5-1. General.

1.10 PURPOSE, SCOPE, AND APPLICABILITY.

(a) R315-5 establishes standards for generators of hazardous waste.

(b) R315-2-5, which incorporates by reference, 40 CFR 261.5(c) and (d), must be used to determine the applicability of provisions of R315-5 that are dependent on calculations of the quantity of hazardous waste generated per month.

(c) A generator who treats, stores, or disposes of hazardous waste on-site shall only comply with the following sections of this rule with respect to that waste: R315-5-1.11, which incorporates by reference 40 CFR 262.11, for determining whether or not he has a hazardous waste, R315-5-1.12 for obtaining an EPA identification number, R315-5-3.34 for accumulation of hazardous waste, R315-5-4.40(c) and (d) for recordkeeping, R315-5-4.43 for additional reporting, and if applicable, R315-5-7 for farmers.

(d) Any person who exports or imports hazardous waste as identified in R315-5-8, which incorporates by reference 40 CFR 262.80(a), and is subject to the manifesting requirements of R315-5, or subject to the universal waste management standards as found in R315-16, to or from the countries listed in 40 CFR 262.58(a)(1), which R315-5-5 incorporates by reference, for recovery shall comply with R315-5-8, which incorporates by reference 40 CFR 262 subpart H.

(e) Any person who imports hazardous waste into the United States shall comply with the standards applicable to generators established in R315-5.

(f) A farmer who generates waste pesticides which are hazardous wastes and who complies with all the requirements of R315-5-7 is not required to comply with other standards in this rule or R315-3, R315-7, R315-8, or R315-13, which incorporates by reference 40 CFR 268, with respect to these pesticides.

(g) A person who generates a hazardous waste as defined by R315-2 is subject to the compliance requirements and penalties prescribed in The Utah Solid and Hazardous Waste Act if he does not comply with the requirements of this rule.

A generator who treats, stores, or disposes of hazardous waste on-site shall comply with the applicable standards and plan approval requirements set forth in R315-3, R315-7, and R315-8.

(h) An owner or operator who initiates a shipment of hazardous waste from a treatment, storage, or disposal facility shall comply with the generator standards established in R315-5.

The provisions of R315-5-3.34, which incorporates by reference 40 CFR 262.34, are applicable to the on-site accumulation of hazardous waste by generators. Therefore, the provisions of R315-5-3.34, which incorporates by reference 40 CFR 262.34, only apply to owners or operators who are shipping hazardous waste which they generated at that facility.

A generator who treats, stores, or disposes of hazardous waste on-site shall comply with the applicable standards and permit requirements set forth in R315-3, R315-7, R315-8, R315-13, which incorporates by reference 40 CFR 268, and R315-14.

1.11 HAZARDOUS WASTE DETERMINATION

The requirements of 40 CFR 262.11, 1994 ed., as amended by 60 FR 25540, May 11, 1995, are adopted and incorporated by reference with the following exception:

Substitute "Board" for all federal regulation references made to "Administrator".

1.12 EPA IDENTIFICATION NUMBERS

(a) A generator shall not treat, store, dispose of, transport, or offer for transportation, hazardous waste without having received an EPA identification number from the Executive Secretary.

(b) A generator who has not received an EPA identification number may obtain one by applying to the Executive Secretary using EPA form 8700-12. Upon receiving the request the Executive Secretary will assign an EPA identification number to the generator.

(c) A generator shall not offer his hazardous waste to transporters or to treatment, storage, or disposal facilities that do not have an EPA identification number.

R315-5-2. The Manifest.

A sample hazardous waste manifest form containing information required pursuant to these rules is found in the Appendix to 40 CFR 262. All applicable sections of each manifest shall be completely and legibly filled out.

2.20 GENERAL REQUIREMENTS

(a) A generator who transports, or offers for transportation, hazardous waste for off-site treatment, storage or disposal shall prepare a Manifest OMB control number 2050-0039 on EPA form 8700-22, and, if necessary, EPA form 8700-22A, according to the instructions, including the additional information requirements, found in R315-50-1, which incorporates by reference 40 CFR 262, Appendix.

(b) A generator shall designate on the manifest one facility which is permitted to handle the waste described on the manifest.

(c) A generator may also designate on the manifest one alternate facility which is permitted to handle his waste in the event an emergency prevents delivery of the waste to the primary designated facility.

(d) If the transporter is unable to deliver the hazardous waste to the designated facility or the alternate facility, the generator shall either designate another facility or instruct the transporter to return the waste.

(e) These manifest requirements do not apply to hazardous waste produced by generators of greater than 100 kg but less than 1000 kg in a calendar month where:

(1) The waste is reclaimed under a contractual agreement pursuant to which:

(i) The type of waste and frequency of shipments are specified in the agreement;

(ii) The vehicle used to transport the waste to the recycling facility and to deliver regenerated material back to the generator is owned and operated by the reclaimer of the waste; and

(2) The generator maintains a copy of the reclamation agreement in his files for a period of at least three years after termination or expiration of the agreement.

(f) The requirements of R315-5-2 and R315-5-3.32(b) do not apply to the transport of hazardous wastes on a public or private right-of-way within or along the border of contiguous

property under the control of the same person, even if such contiguous property is divided by a public or private right-of-way. Notwithstanding R315-6-1.10(a), the generator or transporter shall comply with the requirements for transporters set forth in R315-9-1 and R315-9-3 in the event of a discharge of hazardous waste on a public or private right-of-way.

2.21 ACQUISITION OF MANIFESTS

(a) If the State to which the shipment is manifested (consignment State) supplies the manifest and requires its use, then the generator must use that manifest.

(b) If the consignment State does not supply the manifest, but the State in which the generator is located, generator State, supplies the manifest and requires its use, then the generator must use that State's manifest.

(c) If neither the generator State nor the consignment State supplies the manifest, then the generator may obtain the manifest from any source.

2.22 NUMBER OF COPIES

The manifest shall consist of at least the number of copies which will provide the generator, each transporter, and the owner or operator of the designated facility with one copy each for their records and another copy to be returned to the generator.

2.23 USE OF THE MANIFEST

(a) The generator shall:

(1) Sign the manifest certification by hand; and

(2) Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest; and

(3) Retain one copy, in accordance with R315-5-4.40(a).

(b) The generator shall give the transporter the remaining copies of the manifest.

(c) Hazardous wastes to be shipped within Utah solely by water (bulk shipments only) require that the generator send three copies of the manifest dated and signed in accordance with this section to the owner and operator of the designated facility or the last water (bulk shipment) transporter to handle the waste in the United States if exported by water. Copies of the manifest are not required for each transporter.

(d) For rail shipments of the hazardous wastes within Utah which originate at the site of generation, the generator shall send at least three copies of the manifest dated and signed in accordance with this section to:

(1) The next non-rail transporter, if any; or

(2) The designated facility if transported solely by rail; or

(3) The last rail transporter to handle the waste in the United States if exported by rail.

(e) The generator shall include on the manifest a description of the hazardous waste(s) as set forth in the regulations of the U.S. Department of Transportation in 49 CFR 172.101, 172.202, and 172.203.

(f) For shipments of hazardous waste to a designated facility in an authorized state which has not yet obtained federal authorization to regulate that particular waste as hazardous, the generator must assure that the designated facility agrees to sign and return the manifest to the generator, and that any out-of-state transporter signs and forwards the manifest to the designated facility.

R315-5-3. Pre-Transport Requirements.

3.30 PACKAGING

Prior to transporting or offering hazardous waste for transportation off-site, a generator shall package the waste in accordance with the Department of Transportation regulations on packaging under 49 CFR 173, 178, and 179.

3.31 LABELING

Prior to transporting or offering hazardous waste for transportation off-site, a generator shall label each hazardous waste package in accordance with the applicable Department of Transportation regulations on hazardous materials under 49 CFR 172.

3.32 MARKING

(a) Before transporting or offering hazardous waste for transportation off-site, a generator shall mark each package of hazardous waste in accordance with the Department of Transportation regulations on hazardous materials under 49 CFR 172.

(b) Before transporting hazardous waste or offering hazardous waste for transportation off-site, a generator shall mark each container of 110 gallons or less used in transportation with the following words and information displayed in accordance with the requirements of 49 CFR 172.304:

HAZARDOUS WASTE - Federal Law Prohibits Improper Disposal. If found, contact the nearest police or public safety authority or the U.S. Environmental Protection Agency.

Generator's Name and Address

Manifest Document Number

3.33 PLACARDING

Prior to transporting hazardous waste or offering hazardous waste for transporting off-site, a generator shall placard or offer the initial transporter the appropriate placards according to the Department of Transportation regulations for the movement of hazardous materials under 49 CFR 172, subpart F.

3.34 ACCUMULATION TIME

(a) These requirements as found in 40 CFR 262.34, 2000 ed., are adopted and incorporated by reference with the following addition.

(b) The notification required by 40 CFR 262.34(d)(5)(iv)(C) shall also be made to the Executive Secretary or to the 24-hour answering service listed in R315-9-1(b).

R315-5-4. Recordkeeping and Reporting.

4.40 RECORDKEEPING

(a) A generator shall keep a copy of each manifest signed in accordance with R315-5-2.23(a) for three years or until a signed copy is received from the designated facility which received the waste. The signed copy shall be retained as a record for at least three years from the date the waste was accepted by the initial transporter.

(b) A generator shall keep a copy of each Biennial Report and Exception Report for a period of at least three years from the due date of the report.

(c) Records maintained in accordance with this section and any other records which the Board or Executive Secretary deems necessary to determine quantities and disposition of hazardous waste or other determinations, test results, or waste analyses made in accordance with R315-5-1.11, which incorporates by reference 40 CFR 262.11, shall be available for

inspection by any duly authorized officer, employee or representative of the Department or the Board as provided in R315-2-12 for a period of at least three years from the date the waste was last sent to on-site or off-site treatment, storage, or disposal facilities.

(d) The periods of retention referred to in this section are automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Board or its duly appointed representative.

4.41 BIENNIAL REPORTING

(a) A generator who ships any hazardous waste off-site to a treatment, storage, or disposal facility within the United States must prepare and submit a single copy of a biennial report to the Executive Secretary by March 1 of each even numbered year. The biennial report shall be submitted on EPA Form 8700-13A and must cover generator activities during the previous calendar year, and must include the following information:

(1) The EPA identification number, name, and address of the generator;

(2) The calendar year covered by the report;

(3) The EPA identification number, name, and address for each off-site treatment, storage, or disposal facility in the United States to which waste was shipped during the year;

(4) The name and EPA identification number of each transporter used during the reporting year for shipments to a treatment, storage, or disposal facility within the United States;

(5) A description, EPA hazardous waste number, from R315-2-9, R315-2-10, or R315-2-11, DOT hazard class, and quantity of each hazardous waste shipped off-site for shipments to a treatment, storage, or disposal facility within the United States. This information must be listed by EPA Identification number of each off-site facility to which waste was shipped;

(6) A description of the efforts undertaken during the year to reduce the volume and toxicity of waste generated;

(7) A description of the changes in volume and toxicity of waste actually achieved during the year in comparison to previous years to the extent the information is available for years prior to 1984;

(8) The certification signed by the generator or authorized representative.

(b) Any generator who treats, stores, or disposes of hazardous waste on-site shall submit a biennial report covering those wastes in accordance with the provisions of R315-3, R315-7, and R315-8. Reporting for exports of hazardous waste is not required on the Biennial Report form. A separate annual report requirement is set forth in R315-5-5, which incorporates by reference 40 CFR 262.56.

4.42 EXCEPTION REPORTING

(a)(1) A generator of greater than 1000 kilograms of hazardous waste in a calendar month who does not receive a copy of the manifest with the handwritten signature of the owner or operator of the designated treatment, storage or disposal facility within 35 days of the date the waste was accepted by the initial transporter shall contact the transporter or the owner or operator of the designated facility to determine the status of the hazardous waste.

(2) A generator of greater than 1000 kilograms of hazardous waste in a calendar month shall submit an Exception Report to the Executive Secretary if he has not received a signed copy of the manifest from the owner or operator of the designated facility within 45 days of the date the waste was accepted by the initial transporter. The Exception Report shall consist of a legible copy of the manifest for which the generator does not have confirmation of delivery and a cover letter signed by the generator or his authorized representative explaining the efforts taken by the generator to locate the hazardous waste, and the results of those efforts.

(b) A generator of greater than 100 kilograms but less than 1000 kilograms of hazardous waste in a calendar month who does not receive a copy of the manifest with the handwritten signature of the owner or operator of the designated facility within 60 days of the date the waste was accepted by the initial transporter must submit a legible copy of the manifest, with some indication that the generator has not received confirmation of delivery, to the Executive Secretary. The submission to the Executive Secretary need only be a hand written or typed note on the manifest itself, or on an attached sheet of paper, stating that the return copy was not received.

4.43 ADDITIONAL REPORTING

The Board or Executive Secretary, as is deemed necessary pursuant to these rules, may require generators to furnish additional reports concerning the quantities and disposition of hazardous wastes identified or listed in Section R315-2-9, R315-2-10, or R315-2-11.

4.44 SPECIAL REQUIREMENTS FOR GENERATORS OF BETWEEN 100 AND 1000 KG/MO

A generator of greater than 100 kilograms but less than 1000 kilograms of hazardous waste in a calendar month is subject only to the following requirements in R315-5-4:

(a) R315-5-4.40(a), (c), and (d);

(b) R315-5-4.42(b); and

(c) R315-5-4.43.

R315-5-5. Exports of Hazardous Waste.

The provisions of 40 CFR 262 subpart E, 262.50 - 262.58, 1996 ed., are adopted and incorporated by reference within this rule, except for the following changes:

(a) Other than in Section 40 CFR 262.53, substitute "Executive Secretary" for all references to "EPA" or "Regional Administrator".

(b) Paragraph 40 CFR 262.58(a) shall be as follows:

Any person who exports or imports hazardous waste as identified in 40 CFR 262.80(a) and is subject to the manifesting requirements of R315-5-2, or subject to the universal waste management standards as found in R315-16, to or from the countries listed in 40 CFR 262.58(a)(1), which R315-5-5 incorporates by reference, for recovery shall comply with R315-5-8, which incorporates by reference 40 CFR 262 subpart H. The requirements of subparts E and F do not apply.

R315-5-6. Imports of Hazardous Waste.

The requirements of 40 CFR 262.60, 1990 ed., are adopted and incorporated by reference.

R315-5-7. Farmers.

A farmer disposing of waste pesticides from his own use which are hazardous wastes is not required to comply with the standards in this rule or other standards in R315-3, R315-7,

R315-8, and R315-13, which incorporates by reference 40 CFR 268, for those wastes provided he triple rinses each emptied pesticide container in accordance with R315-2-7(b)(3) and disposes of the pesticide residues on his own farm in a manner consistent with the disposal instructions on the pesticide label.

R315-5-8. Transfrontier Shipments of Hazardous Waste for Recovery within the OECD.

The requirements of 40 CFR 262 subpart H, 262.80 - 262.89, 1996 ed., are adopted and incorporated by reference.

KEY: hazardous waste
April 20, 2001 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-6. Hazardous Waste Transporter Requirements.
R315-6-1. General.

1.10 SCOPE

(a) These hazardous waste transporter requirements establish standards which apply only to persons transporting hazardous waste within the State of Utah if the transportation requires a manifest as specified under R315-5.

(b) These rules do not apply to persons that transport hazardous waste on-site if they are either a hazardous waste generator or are owners or operators of an approved hazardous waste management facility.

(c) A transporter shall also comply with R315-5, if he:

(1) Transports hazardous waste from abroad into the State;

(2) Mixes hazardous wastes of different DOT shipping descriptions by placing them into a single container.

(d) A transporter of hazardous waste subject to the manifesting requirements of R315-5, or subject to the waste management standards of R315-16, that is being imported from or exported to any of the countries listed in 40 CFR 262.58(a)(1), which R315-5-5 incorporates by reference, for purposes of recovery is subject to R315-6-1 and to all other relevant requirements of R315-5-8, which incorporates by reference 40 CFR 262 subpart H, including 40 CFR 262.84 for tracking documents.

1.11 IDENTIFICATION NUMBER

(a) A transporter shall not transport hazardous wastes without having received an EPA identification number from the Executive Secretary.

(b) A transporter who has not received an EPA identification number may obtain one by applying to the Executive Secretary using EPA form 8700-12. Upon receiving the request, the Executive Secretary will assign an EPA identification number to the transporter.

1.12 TRANSFER FACILITY REQUIREMENTS

A transporter who stores manifested shipments of hazardous waste in containers meeting the requirements of R315-5-3.30 at a transfer facility for a period of ten days or less is not subject to regulation under R315-3, R315-7, R315-8, and R315-13, which incorporates by reference 40 CFR 268, with respect to the storage of those wastes.

R315-6-2. Compliance With the Manifest System and Recordkeeping.

2.20 THE MANIFEST SYSTEM

(a) A transporter may not accept hazardous waste from a generator unless it is accompanied by a manifest signed in accordance with the provisions of R315-5-2.20. In the case of exports other than those subject to R315-5-8, which incorporates by reference 40 CFR 262 subpart H, a transporter may not accept hazardous waste from a primary exporter or other person if he knows the shipment does not conform to the EPA Acknowledgment of Consent; and unless, in addition to a manifest signed in accordance with the provisions of R315-5-2.20, the waste is also accompanied by an EPA Acknowledgment of Consent which, except for shipment by rail, is attached to the manifest, or shipping paper for exports by water (bulk shipment). For exports of hazardous waste subject to the requirements of R315-5-8, which incorporates by reference 40 CFR 262 subpart H, a transporter may not accept hazardous waste without a tracking document that includes all information required by 40 CFR 262.84, which R315-5-8 incorporates by reference.

(b) Before transporting the hazardous waste, the transporter shall hand sign and date the manifest acknowledging acceptance of the hazardous waste from the generator. The transporter shall return a signed copy to the generator before leaving the generator's property.

(c) The transporter shall ensure that the manifest accompanies the hazardous waste. In the case of exports, the transporter shall ensure that a copy of the EPA Acknowledgment of Consent also accompanies the hazardous waste.

(d) A transporter who delivers a hazardous waste to another transporter or to the designated facility shall:

(1) Obtain the date of delivery and the handwritten signature of that transporter or of the owner or operator of the designated facility on the manifest; and

(2) Retain one copy of the manifest in accordance with R315-6-5; and

(3) Give the remaining copies of the manifest to the accepting transporter or designated facility.

(e) The requirements of R315-6-2.10(c), (d), and (f) do not apply to water (bulk shipment) transporters if:

(1) The hazardous waste is delivered by water (bulk shipment) to the designated facility; and

(2) A shipping paper containing all the information required on the manifest (excluding the EPA identification numbers, generators certification, and signatures) and, for exports, an EPA Acknowledgment of Consent accompanies the hazardous waste; and

(3) The delivering transporter obtains the date of delivery and handwritten signature of the owner or operator of the designated facility on either the manifest or the shipping paper; and

(4) The person delivering the hazardous waste to the initial water (bulk shipment) transporter obtains the date of delivery and signature of the water (bulk shipment) transporter on the manifest and forwards it to the manifested facility; and

(5) A copy of the shipping paper or manifest is retained by each water (bulk shipment) transporter in accordance with R315-6-2.22.

(f) For shipments involving rail transportation, the requirements of R315-6-2.20(c), (d) and (e) do not apply and the following requirements do apply:

(1) When accepting hazardous waste from a non-rail transporter, the initial rail transporter shall:

(i) Sign and date the manifest acknowledging acceptance of the hazardous waste;

(ii) Return a signed copy of the manifest to the non-rail transporter;

(iii) Forward at least three copies of the manifest to:

(A) The next non-rail transporter, if any; or

(B) The designated facility, if the shipment is delivered to that facility by rail; or

(C) The last rail transporter designated to handle the waste in the United States.

(iv) Retain one copy of the manifest and rail shipping

paper in accordance with R315-6-2.22.

(2) Rail transporters shall ensure that a shipping paper containing all the information required on the manifest (excluding the EPA identification numbers, generator certification, and signatures) and, for exports, an EPA Acknowledgment of Consent accompanies the hazardous waste at all times.

(3) When delivering hazardous waste to the designated facility, a rail transporter shall:

(i) Obtain the date of delivery and handwritten signature of the owner or operator of the designated facility on the manifest or the shipping paper, if the manifest has not been received by the facility; and

(ii) Retain a copy of the manifest or signed shipping paper in accordance with R315-6-2.22.

(4) When delivering hazardous waste to a non-rail transporter a rail transporter shall:

(i) Obtain the date of delivery and the handwritten signature of the next non-rail transporter on the manifest; and

(ii) Retain a copy of the manifest in accordance with R315-6-2.22.

(5) Before accepting hazardous waste from a rail transporter, a non-rail transporter shall sign and date the manifest and provide a copy to the rail transporter.

(g) Transporters who transport hazardous waste out of the United States shall:

(1) Indicate on the manifest the date the hazardous waste left the United States; and

(2) Sign the manifest and retain one copy as specified in R315-6-2.22(d); and

(3) Return a signed copy of the manifest to the generator; and

(4) Give a copy of the manifest to a U.S. Customs official at the point of departure from the United States.

(h) A transporter transporting hazardous waste from a generator who generates greater than 100 kilograms of hazardous waste in a calendar month need not comply with the requirements of R315-6-2.20 or those of R315-6-2.22 provided that:

(1) The waste is being transported pursuant to a reclamation agreement as provided for in R315-5-2.20(e);

(2) The transporter records, on a log or shipping paper, the following information for each shipment:

(i) The name, address, and U.S. EPA Identification Number of the generator of the waste;

(ii) The quantity of waste accepted;

(iii) All DOT-required shipping information;

(iv) The date the waste is accepted; and

(3) The transporter carries this record when transporting waste to the reclamation facility; and

(4) The transporter retains these records for a period of at least three years after termination or expiration of the agreement.

(i) A transporter shall not transport hazardous waste not properly labeled or hazardous waste containers which are leaking or appear to be damaged, since those packages become the transporter's responsibility during transport.

2.21 COMPLIANCE WITH THE MANIFEST

(a) The transporter shall deliver the entire quantity of hazardous waste which he has accepted from a generator or a transporter to:

(1) The designated facility listed on the manifest; or

(2) The alternate designated facility, if the hazardous waste cannot be delivered to the designated facility because an emergency prevents delivery; or

(3) The next designated transporter; or

(4) The place outside the United States designated by the generator.

(b) If the hazardous waste cannot be delivered in accordance with R315-6-2.21(a), the transporter shall contact the generator for further directions and shall revise the manifest according to the generator's instructions.

2.22 RECORDKEEPING

(a) A transporter of hazardous waste shall keep a copy of the manifest signed by the generator, himself, and the next designated transporter of the owner or operator of the designated facility for a period of three years from the date the hazardous waste was accepted by the initial transporter.

(b) For shipments delivered to the designated facility by water (bulk shipment), each water (bulk shipment) transporter shall retain a copy of the shipping paper containing all the information required in R315-6-2.20(e)(2) for a period of three years from the date the hazardous waste was accepted by the initial transporter.

(c) For shipments of hazardous waste by rail within the United States:

(1) The initial rail transporter shall keep a copy of the manifest and shipping paper with all the information required in R315-6-2.20(f)(2) for a period of three years from the date the hazardous waste was accepted by the initial transporter; and

(2) The final rail transporter shall keep a copy of the signed manifest (or the shipping paper if signed by the designated facility in lieu of the manifest) for a period of three years from the date the hazardous waste was accepted by the initial transporter.

(d) A transporter who transports hazardous waste out of the United States shall keep a copy of the manifest indicating that the hazardous waste left the United States for a period of three years from the date the hazardous waste was accepted by the initial transporter.

(e) The periods of retention referred to in this section are extended automatically during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Executive Secretary.

R315-6-10. Emergency Controls.

Transporters shall comply with R315-9 in the event of a discharge of hazardous waste.

R315-6-11. Compliance with Department of Transportation Regulations.

Transporters of hazardous waste shall comply with the following pertinent regulations of the U.S. Department of Transportation governing the transportation of hazardous materials for both interstate and intrastate shipments:

(a) 49 CFR 171, General Information Regulations and Definitions;

(b) 49 CFR 172, Hazardous Materials Table and Hazardous Material Communications Regulations;

(c) 49 CFR 173, Shippers - General Requirements for Shipments and Packaging;

(d) 49 CFR 174, Carriage by Rail;

(e) 49 CFR 175, Carriage by Aircraft;

(f) 49 CFR 176, Carriage by Vessel;

(g) 49 CFR 177, Carriage by Public Highway;

(h) 49 CFR 178, Shipping Container Specification; and

(i) 49 CFR 179, Specifications for Tank Cars.

KEY: hazardous waste
October 20, 2000 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-7. Interim Status Requirements for Hazardous Waste Treatment, Storage, and Disposal Facilities.
R315-7-8. General Interim Status Requirements.

8.1 PURPOSE, SCOPE, APPLICABILITY

(a) The purpose of R315-7 is to establish minimum State of Utah standards that define the acceptable management of hazardous waste during the period of interim status and until certification of final closure or, if the facility is subject to post-closure requirements, until post-closure responsibilities are fulfilled.

(b) Except as provided in R315-7-30, which incorporates by reference 40 CFR 265.1080(b), the standards of R315-7 and of R315-8-21, which incorporates by reference 40 CFR 264.552 through 264.554, apply to owners and operators of facilities that treat, store, or dispose of hazardous waste who have fully complied with the requirements of interim status under State or Federal requirements and R315-3-2.1 until either a permit is issued under R315-3 or until applicable R315-7 closure and post-closure responsibilities are fulfilled, and to those owners and operators of facilities in existence on November 19, 1980, who have failed to provide timely notification as required by Section 3010(a) of RCRA or failed to file part A of the permit application as required by R315-3-2.1(d) and (f). These standards apply to all treatment, storage, and disposal of hazardous waste at these facilities after the effective date of these rules, except as specifically provided otherwise in R315-7 or R315-2. R315-7 also applies to the treatment or storage of hazardous waste before it is loaded onto an ocean vessel for incineration or disposal at sea, as provided in R315-7-8.1(a).

(c) The requirements of R315-7 do not apply to the following:

(1) The owner or operator of a POTW with respect to the treatment or storage of hazardous wastes which are delivered to the POTW;

(2) The owner or operator of a facility approved by the State of Utah to manage municipal or industrial solid waste, if the only hazardous waste the facility treats, stores, or disposes of is excluded from regulation under R315-7 by R315-2-5;

(3) The owner or operator of a facility managing recyclable materials described in 40 CFR 261.6(a)(2), (3), and (4), which is incorporated by reference in R315-2-6, except to the extent that they are referred to in R315-15 or R315-14-2, which incorporates by reference 40 CFR subpart D, R315-14-5, which incorporates by reference 40 CFR 266 subpart F, and R315-14-6, which incorporates by reference 40 CFR 266 subpart G;

(4) A generator accumulating hazardous waste on-site in compliance with R315-5-3.34, which incorporates by reference 40 CFR 262.34, except to the extent the requirements are included in R315-5-3.34, which incorporates by reference 40 CFR 262.34;

(5) A farmer disposing of waste pesticides from his own use in compliance with R315-5-7;

(6) The owner or operator of a totally enclosed treatment facility, as defined in R315-1;

(7) The owner or operator of an elementary neutralization unit or a wastewater treatment unit as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, provided that if the owner or operator is diluting hazardous ignitable (D001) wastes, other than the D001 High TOC Subcategory defined in the Table of Treatment Standards for Hazardous Wastes in 40 CFR 268.40 as incorporated by reference at R315-13, or reactive (D003) waste, to remove the characteristic before land disposal, the owner/operator must comply with the requirements set out in R315-7-9.8(b);

(8) A transporter storing manifested shipments of hazardous waste in containers meeting the requirements of R315-5-3.30 at a transfer facility for a period of ten days or less;

(9)(i) Except as provided in R315-7-8(c)(9)(i), a person engaged in treatment or containment activities during immediate response to any of the following situations:

(A) A discharge of a hazardous waste;

(B) An imminent and substantial threat of a discharge of a hazardous waste;

(C) A discharge of a material which, when discharged, becomes a hazardous waste.

(ii) An owner or operator of a facility otherwise regulated by this section shall comply with all applicable requirements of R315-7-10 and R315-7-11.

(iii) Any person who is covered by R315-7-8(c)(9)(i) and who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of R315-7 and of R315-3 for those activities.

(10) The addition of absorbent material to waste in a container, as defined in R315-1, or the addition of waste to the absorbent material in a container provided that these actions occur at the time waste is first placed in the containers; and R315-7-9.8(b), R315-7-16.2 and R315-7-16.3 are complied with;

(11) Universal waste handlers and universal waste transporters (as defined in R315-16-1.7) handling the wastes listed below. These handlers are subject to regulation under section R315-16, when handling the below listed universal wastes:

(i) Batteries as described in R315-16-1.2;

(ii) Pesticides as described in R315-16-1.3;

(iii) Mercury thermostats as described in R315-16-1.4; and

(iv) Mercury lamps as described in R315-16-1.6

(d) Notwithstanding any other provisions of these rules enforcement actions may be brought pursuant to R315-2-14 or Section 19-6-115 Utah Solid and Hazardous Waste Act.

(e) The following hazardous wastes shall not be managed at facilities subject to regulation under R315-7.

(1) EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, or F027 unless:

(i) The wastewater treatment sludge is generated in a surface impoundment as part of the plant's wastewater treatment system;

(ii) The waste is stored in tanks or containers;

(iii) The waste is stored or treated in waste piles that meet the requirements of R315-8-12.1(c) as well as all other applicable requirements of R315-8-12;

(iv) The waste is burned in incinerators that are certified pursuant to the standard and procedures in R315-7-22.6; or

(v) The waste is burned in facilities that thermally treat the waste in a device other than an incinerator and that are certified pursuant to the standards and procedures in R315-7-23.7.

(f) The requirements of this rule apply to owners or operators of all facilities which treat, store, or dispose of hazardous waste referred to in R315-13, which incorporates by reference 40 CFR 268, and the R315-13 standards are considered material conditions or requirements of the R315-7 interim status standards.

R315-7-9. General Facility Standards.

9.1 APPLICABILITY

The rules in this section apply to the owners and operators of all hazardous waste management facilities, except as provided otherwise in R315-7-8.1.

9.2 IDENTIFICATION NUMBER

Every facility owner or operator shall apply for an EPA identification number in accordance with Section 3010 of RCRA. Facility owners or operators who did not obtain an EPA Identification Number for their facilities through the notification process shall obtain one. Information on obtaining this number can be acquired by contacting the Utah Division of Solid and Hazardous Waste Management.

9.3 REQUIRED NOTICES

(a)(1) An owner or operator of a facility that has arranged to receive hazardous waste from a foreign source shall notify the Board in writing at least four weeks in advance of the expected date of arrival of these shipments at the facility. A notice of subsequent shipments of the same waste from the same foreign sources is not required.

(2) The owner or operator of a recovery facility that has arranged to receive hazardous waste subject to R315-5-15, which incorporates by reference 40 CFR 262, subpart H, shall provide a copy of the tracking document bearing all required signatures to the notifier, to the Division of Solid and Hazardous Waste, P.O. Box 144880, Salt Lake City, Utah, 84114-4880; Office of Enforcement and Compliance Assurance, Office of Compliance, Enforcement Planning, Targeting and Data Division (2222A), Environmental Protection Agency, 401 M St., SW., Washington, DC 20460; and to the competent authorities of all other concerned countries within three working days of receipt of the shipment. The original of the signed tracking document must be maintained at the facility for at least three years.

(b) Before transferring ownership or operation of a facility during its operating life, or of a disposal facility during the post-closure care period, the owner or operator shall notify the new owner or operator in writing of the requirements of R315-7 and R315-3. An owner's or operator's failure to notify the new owner or operator of the requirements of R315-7 in no way relieves the new owner or operator of his obligation to comply with all applicable requirements.

9.4 GENERAL WASTE ANALYSIS

The requirements of 40 CFR 265.13, 1996 ed., are adopted and incorporated by reference.

9.5 SECURITY

(a) A facility owner or operator shall prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portion of his facility; unless

(1) Physical contact with the waste, structures, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock which may enter the active portion of a facility; and

(2) Disturbance of the waste or equipment by the unknowing or unauthorized entry of persons or livestock onto the active portion of a facility will not cause a violation of the requirements of R315-7.

(b) Unless exempt under R315-7-9.5(a)(1) and (a)(2), facilities shall have;

(1) A 24-hour surveillance system, e.g., television monitoring or surveillance by guards or facility personnel, which continuously monitors and controls entry onto the active portion of the facility; or

(2)(i) An artificial or natural barrier or both, e.g. a fence in good repair or a cliff, which completely surrounds the active portion of the facility; and

(ii) A means to control entry at all times through the gates or other entrances to the active portion of the facility, e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility.

The requirements of R315-7-9.5(b) are satisfied if the facility or plant within which the active portion is located itself has a surveillance system or a barrier and a means to control entry which complies with the requirements of R315-7-9.5(b)(1) and (2).

(c) Unless exempt under R315-7-9.5(a)(1) and (a)(2), a sign with the legend, "Danger -Unauthorized Personnel Keep Out", shall be posted at each entrance to the active portion of a facility and at other locations, in sufficient numbers to be seen from any approach to the active portion. The legend shall be written in English and any other language predominant in the area surrounding the facility and shall be legible from a distance of at least twenty-five feet. Existing signs with a legend other than "Danger - Unauthorized Personnel Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion is potentially dangerous.

Owners or operators are encouraged to also describe on the sign the type of hazard, e.g., hazardous waste, flammable wastes, etc., contained within the active portion of the facility. See R315-7-14.7(b) for discussion of security requirements at disposal facilities during the post-closure care period.

9.6 GENERAL INSPECTION REQUIREMENTS

(a) Facility owners or operators shall inspect their facilities for malfunctions and deterioration, operator errors, and discharges, which may be causing or may lead to (1) release of hazardous waste constituents to the environment or (2) a threat to human health. These inspections shall be conducted frequently enough to identify problems in time to correct them before they harm human health or the environment.

(b) Facility owners or operators shall develop and follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment, e.g., dikes and sump pumps, that are important to preventing, detecting, or responding to environmental or human health hazards. The schedule shall be kept at the facility, and shall identify the types of problems, i.e., malfunctions or deterioration, which are to be looked for during the inspection, for example, inoperative sump pump, leaking fitting, eroding dike, etc. The frequency of inspection may vary

for the items on the schedule. However, it should be based on the rate of deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas shall be inspected daily when in use. At a minimum, the inspection schedule shall include the items and frequencies called for in R315-7-16.5, R315-7-17, which incorporates by reference 40 CFR 265.190 - 265.201, R315-7-18.5, R315-7-19.12, R315-7-20.5, R315-7-21.12, R315-7-22.4, R315-7-23.4, R315-7-24.4, R315-7-26, which incorporates by reference 40 CFR 265.1033, R315-7-27, which incorporates by reference 40 CFR 265.1052, 265.1053, and 265.1058 and R315-7-30, which incorporates by reference 40 CFR 265.1084 through 265.1090.

(c) The owner or operator shall remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action shall be taken immediately.

(d) The owner or operator shall keep records of inspections in an inspection log or summary. These records shall be retained for at least three years. At a minimum, these records shall include the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs made or remedial actions taken.

9.7 PERSONNEL TRAINING

(a)(1) Facility personnel shall successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of R315-7, and that includes all the elements described in R315-7-9.7(d)(3).

(2) This program shall be directed by a person trained in hazardous waste management procedures, and shall include instruction supplementing the facility personnel's existing job knowledge, which teaches facility personnel hazardous waste management procedures, including contingency plan implementation, relevant to the positions in which they are employed.

(3) At a minimum, the training program shall be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including, but not necessarily limited to, the following, where applicable:

(i) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;

(ii) Key parameters for automatic waste feed cut-off systems;

(iii) Communications or alarm systems or both;

(iv) Response to fires or explosions;

(v) Response to groundwater contamination incidents; and

(vi) Shutdown of operations.

(b) Facility personnel shall successfully complete the program required in R315-7-9.7(a) within six months after the effective date of these rules or six months after the date of employment or assignment to a facility, or to a new position at a facility, whichever is later. Employees hired after the effective date of these rules shall not work in unsupervised positions until they have completed the training requirements of R315-7-9.7(a).

(c) Facility personnel shall take part in an annual review of their initial training in R315-7-9.7(a).

(d) Owners or operators of facilities shall maintain the following documents and records at their facilities and make them available to the Board or its duly appointed representative upon request:

(1) The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;

(2) A written job description for each position listed under R315-7-9.7(d)(1). This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but shall include the requisite skill, education, or other qualifications and duties of facility personnel assigned to each position;

(3) A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under R315-7-9.7(d)(1); and

(4) Records that document that the training or job experience required under paragraphs R315-7-9.7(a), (b), and (c) has been given to, and completed by, facility personnel.

(e) Training records on current personnel shall be maintained until closure of the facility; training records on former employees shall be maintained for at least three years from the date the employee last worked at the facility. Personnel training records may accompany personnel transferred within the same company.

9.8 GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTES

(a) The owner or operator shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. This waste shall be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks, static, electrical, or mechanical, spontaneous ignition, e.g., from heat-producing chemical reactions, and radiant heat. While ignitable or reactive waste is being handled, the owner or operator shall confine smoking and open flames to specially designated locations. "No Smoking" signs shall be conspicuously placed wherever there is a hazard from ignitable or reactive waste.

(b) Where specifically required by R315-7, the treatment, storage, or disposal of ignitable or reactive waste and the mixture or commingling of incompatible wastes, or incompatible wastes and materials, shall be conducted so that it does not:

(1) Generate uncontrolled extreme heat or pressure, fire or explosion, or violent reaction;

(2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health;

(3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion;

(4) Damage the structural integrity of the device or facility containing the waste; or

(5) Through other like means threaten human health or the environment.

9.9 LOCATION STANDARDS

The placement of any hazardous waste in a salt dome, salt bed formation, underground mine or cave is prohibited, except for the Department of Energy Waste Isolation Pilot Project in New Mexico.

9.10 CONSTRUCTION QUALITY ASSURANCE PROGRAM

(a) CQA program. (1) A construction quality assurance, CQA, program is required for all surface impoundment, waste pile, and landfill units that are required to comply with R315-7-18.9(a), R315-7-19.9, and R315-7-21.10(a). The program shall ensure that the constructed unit meets or exceeds all design criteria and specifications in the permit. The program shall be developed and implemented under the direction of a CQA officer who is a registered professional engineer.

(2) The CQA program shall address the following physical components, where applicable:

(i) Foundations;

(ii) Dikes;

(iii) Low-permeability soil liners;

(iv) Geomembranes, flexible membrane liners;

(v) Leachate collection and removal systems and leak detection systems; and

(vi) Final cover systems.

(b) Written CQA plan. Before construction begins on a unit subject to the CQA program under R315-7-9.10(a), the owner or operator shall develop a written CQA plan. The plan shall identify steps that will be used to monitor and document the quality of materials and the condition and manner of their installation. The CQA plan shall include:

(1) Identification of applicable units, and a description of how they will be constructed.

(2) Identification of key personnel in the development and implementation of the CQA plan, and CQA officer qualifications.

(3) A description of inspection and sampling activities for all unit components identified in R315-7-9.10(a)(2), including observations and tests that will be used before, during, and after construction to ensure that the construction materials and the installed unit components meet the design specifications. The description shall cover: Sampling size and locations; frequency of testing; data evaluation procedures; acceptance and rejection criteria for construction materials; plans for implementing corrective measures; and data or other information to be recorded and retained in the operating record under R315-7-12.4.

(c) Contents of program. (1) The CQA program shall include observations, inspections, tests, and measurements sufficient to ensure:

(i) Structural stability and integrity of all components of the unit identified in R315-7-9.10(a)(2);

(ii) Proper construction of all components of the liners, leachate collection and removal system, leak detection system, and final cover system, according to permit specifications and good engineering practices, and proper installation of all components, e.g., pipes, according to design specifications;

(iii) Conformity of all materials used with design and other material specifications under R315-8-11.2, R315-8-12.2, and R315-8-14.2.

(2) The CQA program shall include test fills for compacted soil liners, using the same compaction methods as in the full-scale unit, to ensure that the liners are constructed to meet the hydraulic conductivity requirements of R315-8-11.2(c)(1), R315-8-12.2(c)(1), and R315-8-14.2(c)(1) in the field. Compliance with the hydraulic conductivity requirements shall be verified by using in-situ testing on the constructed test fill. The test fill requirement is waived where data are sufficient to show that a constructed soil liner meets the hydraulic conductivity requirements of R315-8-11.2(c)(1), R315-8-12.2(c)(1), and R315-8-14.2(c)(1) in the field.

(d) Certification. The owner or operator of units subject to R315-7-9.10 shall submit to the Executive Secretary by certified mail or hand delivery, at least 30 days prior to receiving waste, a certification signed by the CQA officer that the CQA plan has been successfully carried out and that the unit meets the requirements of R315-8-11.2(a), R315-8-12.2, or R315-8-14.2(a). The owner or operator may receive waste in the unit after 30 days from the Executive Secretary's receipt of the CQA certification unless the Executive Secretary determines in writing that the construction is not acceptable, or extends the review period for a maximum of 30 more days, or seeks additional information from the owner or operator during this period. Documentation supporting the CQA officer's certification shall be furnished to the Executive Secretary upon request.

R315-7-10. Preparedness and Prevention.

10.1 Applicability

The rules in this section apply to the owners and operators of all hazardous waste management facilities, except as provided otherwise in R315-7-8.1.

10.2 Maintenance and Operation of Facility

Facilities shall be maintained and operated to minimize the possibility of a fire, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

10.3 Required Equipment

All facilities shall be equipped with the following, unless there are no hazards posed by waste handled at the facility which could require a particular kind of equipment specified below:

(a) An internal communications or alarm system capable of providing immediate emergency instruction, voice or signal, to facility employees;

(b) A device capable of summoning external emergency assistance from law enforcement agencies, fire departments or state or local emergency response teams, such as a telephone, immediately available at the scene of operations, or a hand-held two way radio;

(c) Portable fire extinguishers, fire control equipment, including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals, discharge control equipment, and decontamination equipment; and

(d) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

10.4 Testing and Maintenance of Equipment

All facility communications or alarm systems, fire

protection equipment, safety equipment, discharge control equipment, and decontamination equipment, where required, shall be tested and maintained as necessary to assure its proper operation in time of emergency.

10.5 Access to Communications or Alarm System

(a) Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, all employees involved in the operation shall have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee, unless a device is not required under R315-7-10.3.

(b) If there is just one employee on the premises while the facility is operating, he shall have immediate access to a device capable of summoning external emergency assistance, such as a telephone, immediately available at the scene of operation, or a hand-held two-way radio, unless a device is not required under R315-7-10.3.

10.6 Required Aisle Space

The facility owner or operator shall maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, discharge control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.

10.7 Arrangements with Local Authorities

(a) The owner or operator shall attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services of these organizations:

(1) Arrangements to familiarize law enforcement agencies, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to the roads inside the facility, and possible evacuation routes;

(2) Where more than one law enforcement agency and fire department might respond to an emergency, agreements designating primary emergency authority to a specific law enforcement agency and a specific fire department, and agreements with any others to provide support to the primary emergency authority;

(3) Agreements with state emergency response teams, emergency response contractors, and equipment suppliers; and

(4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

(b) Where state or local authorities decline to enter into these arrangements, the owner or operator shall document the refusal in the operating record.

R315-7-11. Contingency Plan and Emergency Procedures.

11.1 Applicability

The rules in this section apply to the owners and operators of all hazardous waste management facilities, except as provided otherwise in R315-7-8.1.

11.2 Purpose and Implementation of Contingency Plan

(a) Each owner or operator shall have a contingency plan for his facility designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden discharge of hazardous waste or hazardous waste constituents to air, soil, or surface water.

(b) The provisions of the plan shall be carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten the environment or human health.

11.3 Content of Contingency Plan

(a) The contingency plan shall describe the actions facility personnel shall take to comply with R315-7-11.2 and R315-7-11.7 in response to fires, explosions, or any unplanned sudden or non-sudden discharge of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility.

(b) If a facility owner or operator already has prepared a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 CFR 112, or some other emergency or contingency plan, he need only amend that plan to incorporate hazardous waste management provisions sufficient to comply with the requirements of R315-7.

(c) The plan shall describe arrangements agreed to by local law enforcement agencies, fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services, in accordance with R315-7-10.7.

(d) The plan shall list names, addresses, phone numbers, office and home, of all persons qualified to act as facility emergency coordinator, see R315-7-11.6, and this list shall be kept up-to-date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates.

(e) The plan shall include a list of all emergency equipment at the facility, such as fire extinguishing systems, discharge control equipment, communications and alarm systems, internal and external, and decontamination equipment, where this equipment is required. This list shall be kept up-to-date. In addition, the plan shall include the location and physical description of each item on the list, and a brief outline of its capabilities.

(f) The plan shall include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan shall describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes, in cases where the primary routes could be blocked by discharges of hazardous waste or fires.

11.4 Copies of Contingency Plan

A copy of the contingency plan and all revisions to the plan shall be:

(a) Maintained at the facility;

(b) Made available to the Board or its duly appointed representative upon request; and

(c) Submitted to all local law enforcement agencies, fire departments, hospitals, and state and local emergency response teams that may be called upon to provide emergency services.

11.5 Amendment of Contingency Plan

The contingency plan shall be reviewed, and immediately amended, if necessary, under any of the following circumstances:

(a) Revisions to applicable regulations;

(b) Failure of the plan in an emergency;

(c) Changes in the facility design, construction, operation, maintenance, or other circumstances that materially increase the potential for discharges of hazardous waste or hazardous waste constituents, or change the response necessary in an emergency;

(d) Changes in the list of emergency coordinators; or

(e) Changes in the list of emergency equipment.

11.6 Emergency Coordinator

At all times, there shall be at least one employee either on the facility premises or on call, i.e., available to respond to an emergency by reaching the facility within a short period of time, with the responsibility for coordinating all emergency response measures. This facility emergency coordinator shall be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, the location of all records within the facility, and the facility layout. In addition, this person shall have the authority to commit the resources needed to carry out the contingency plan. The emergency coordinator's responsibilities are more fully spelled out in R315-7-11.7. Applicable responsibilities for the emergency coordinator vary depending on factors such as type and variety of waste(s) handled by the facility, and type and complexity of the facility.

11.7 Emergency Procedures

(a) Whenever there is an imminent or actual emergency situation, the emergency coordinator, or his designee when the emergency coordinator is on call, shall immediately:

(1) Activate internal facility alarms or communication systems, where applicable, to notify all facility personnel; and

(2) Notify appropriate state or local agencies with designated response roles whenever their assistance is needed.

(b) In the event of a discharge, fire, or explosion, the facility's emergency coordinator shall immediately identify the character, exact source, amount, and areal extent of any discharged materials. He may do this by observation or review of facility records or manifests, and, if necessary, by chemical analysis.

(c) Concurrently, the facility's emergency coordinator shall immediately assess possible hazards to the environment or human health that may result from the discharge, fire, or explosion. This assessment shall consider both direct and indirect effects of the discharge, fire, or explosion, e.g., the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-offs from water or chemical agents used to control fire and heat-induced explosions.

(d) If the emergency coordinator determines that the facility has had a discharge, fire, or explosion which could threaten human health or the environment, outside the facility, he shall report his findings as follows:

(1) If his assessment indicates that evacuation of local areas may be advisable, he shall immediately notify appropriate local authorities. He shall be available to assist appropriate officials in making the decision whether local areas should be evacuated; and

(2) He shall immediately notify both the Utah State Department of Environmental Quality as specified in R315-9 and the government officials designated as the on-scene coordinator for that geographical area, in the applicable regional contingency plan under 40 CFR 1510, or the National Response Center, 800/424-8802. The report shall include:

(i) Name and telephone number of reporter;

(ii) Name and address of facility;

(iii) Time and type of incident, e.g., discharge, fire;

(iv) Name and quantity of material(s) involved, to the extent available;

(v) The extent of injuries, if any; and

(vi) The possible hazards to human health, or the environment, outside the facility.

(e) During an emergency, the facility's emergency coordinator shall take all reasonable measures necessary to ensure that fires, explosions, and discharges do not occur, recur, or spread to other hazardous waste at the facility. These measures shall include, where applicable, stopping processes and operations, collecting and containing discharged waste, and removing or isolating containers.

(f) If the facility stops operations in response to a discharge, fire, or explosion, the facility's emergency coordinator shall monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

(g) Immediately after an emergency, the facility's emergency coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a discharge, fire, or explosion at the facility.

Unless the owner or operator can demonstrate, in accordance with R315-2-3(c) or (d), that the recovered material is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements in R315-4, R315-5, R315-7, and R315-8.

(h) The facility's emergency coordinator shall ensure that, in the affected area(s) of the facility:

(1) No waste that may be incompatible with the discharged material is treated, stored, or disposed of until cleanup procedures are completed; and

(2) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

(i) The facility owner or operator shall notify the Board and other appropriate state and local authorities, that the facility is in compliance with R315-7-11.7(h) before operations are resumed in the affected area(s) of the facility.

(j) The facility owner or operator shall record in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within 15 days after the incident, he shall submit a written report on the incident to the Board. The report shall include:

(1) Name, address, and telephone number of the owner or operator;

(2) Name, address, and telephone number of the facility;

(3) Date, time, and type of incident, e.g., fire, discharge;

(4) Name and quantity of material(s) involved;

(5) The extent of injuries, if any;

(6) An assessment of actual or potential hazards to the environment or human health, where this is applicable; and

(7) Estimated quantity and disposition of recovered material that resulted from the incident.

R315-7-12. Manifest System, Recordkeeping, and Reporting.

12.1 APPLICABILITY

The rules in R315-7-12 apply to owners and operators of both on-site and off-site facilities, except as provided otherwise in R315-7-8.1. R315-7-12.2, R315-7-12.3, and R315-7-12.7 do not apply to owners and operators of on-site facilities that do not receive any hazardous waste from off-site sources.

12.2 USE OF MANIFEST SYSTEM

(a) If a facility receives hazardous waste accompanied by a manifest, the owner or operator, or his agent, shall:

(1) Sign and date each copy of the manifest to certify that the hazardous waste covered by the manifest was received;

(2) Note any significant discrepancies in the manifest, as defined in R315-7-12.3, on each copy of the manifest;

The Board does not intend that the owner or operator of a facility whose procedures under R315-7-9.4(c) include waste analysis shall perform that analysis before signing the manifest and giving it to the transporter. R315-7-12.3(b), however, requires reporting an unreconciled discrepancy discovered during later analysis.

(3) Immediately give the transporter at least one copy of the signed manifest;

(4) Within 30 days after the delivery, send a copy of the manifest to the generator; and

(5) Retain at the facility a copy of each manifest for at least three years from the date of delivery.

(b) If a facility receives, from a rail or water (bulk shipment) transporter, hazardous waste which is accompanied by a shipping paper containing all the information required on the manifest (excluding the EPA identification numbers, generator's certification, and signatures) the owner or operator, or his agent, shall:

(1) Sign and date each copy of the manifest or shipping paper, if the manifest has not been received, to certify that the hazardous waste covered by the manifest or shipping paper was received;

(2) Note any significant discrepancies, as defined in R315-7-12.3(a), in the manifest or shipping paper, if the manifest has not been received, on each copy of the manifest or shipping paper;

(3) Immediately give the rail or water, bulk shipment, transporter at least one copy of the manifest or shipping paper, if the manifest has not been received;

(4) Within 30 days after the delivery, send a copy of the signed and dated manifest to the generator; however, if the manifest has not been received within 30 days after delivery, the owner or operator, or his agent, shall send a copy of the signed and dated shipping paper to the generator; and

(5) Retain at the facility a copy of the manifest and shipping paper, if signed in lieu of the manifest at the time of delivery for at least three years from the date of delivery.

(c) Whenever a shipment of hazardous waste is initiated from a facility, the owner or operator of that facility shall comply with the requirements of R315-5.

The provisions of R315-5-9.1 are applicable to the on-site accumulation of hazardous wastes by generators and only apply to owners or operators who are shipping hazardous waste which they generated at that facility.

(d) Within three working days of the receipt of a shipment subject to R315-5-15, which incorporates by reference 40 CFR 262 subpart H, the owner or operator of the facility shall provide a copy of the tracking document bearing all required signatures to the notifier, to the Division of Solid and Hazardous Waste, P.O. Box 144880, Salt Lake City, Utah, 84114-4880; Office of Enforcement and Compliance Assurance, Office of Compliance, Enforcement Planning, Targeting and Data Division (2222A), Environmental Protection Agency, 401 M St., SW., Washington, DC 20460; and to competent authorities of all other concerned countries. The original copy of the tracking document shall be maintained at the facility for at least three years from the date of signature.

12.3 MANIFEST DISCREPANCIES

(a) Manifest discrepancies are differences between the quantity or type of hazardous waste designated on the manifest and the quantity or type of hazardous waste a facility actually receives. Significant discrepancies in quantity are: (1) for bulk waste, variations greater than ten percent in weight, and (2) for batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload. Significant discrepancies in type are obvious differences which can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid, or toxic constituents not reported on the manifest.

(b) Upon discovering a significant discrepancy, the owner or operator shall attempt to reconcile the discrepancy with the waste generator or transporter, e.g., with telephone conversations. If the discrepancy is not resolved within 15 days of receipt of the waste, the owner or operator shall immediately submit a letter describing the discrepancy, and attempts to reconcile it, including a copy of the manifest at issue, to the Board.

12.4 OPERATING RECORD

The requirements as found in 40 CFR 265.73, 1997 ed., as amended by 62 FR 64636, December 8, 1997, are adopted and incorporated by reference.

12.5 AVAILABILITY, RETENTION, AND DISPOSITION OF RECORDS

(a) All records, including plans, required under R315-7 shall be furnished upon written request, and made available at all reasonable times for inspection.

(b) The retention period for all records required under R315-7 is extended automatically during the course of any unresolved enforcement action regarding the facility or as requested by the Board.

(c) A copy of records of waste disposal locations required to be maintained under R315-7-12.4, which incorporates by reference 40 CFR 265.73, shall be turned over to the Board and the local land authority upon closure of the facility, see R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120.

12.6 BIENNIAL REPORT

Owners or operators of facilities that treat, store, or dispose of hazardous waste shall prepare and submit a single copy of a biennial report to the Board by March 1 of each even numbered year. The biennial report shall be submitted on EPA form 8700-13B. The biennial report shall cover facility activities during the previous calendar year and shall include the following information:

(a) The EPA identification number, name, and address of

the facility;

(b) The calendar year covered by the report;

(c) For off-site facilities, the EPA identification number of each hazardous waste generator from which a hazardous waste was received during the year; for imported shipments, the name and address of the foreign generator shall be given;

(d) A description and the quantity of each hazardous waste received by the facility during the year. For off-site facilities, this information shall be listed by EPA identification number of each generator;

(e) The method(s) of treatment, storage, or disposal for each hazardous waste;

(f) Monitoring data, where required under R315-7-13.5(a)(2)(ii) and (iii) and (b)(2) where required;

(g) The most recent closure cost estimate under R315-7-15, which incorporates by reference 40 CFR 265.140 - 265.150;

(h) For generators who treat, store, or dispose of hazardous waste on-site, a description of the efforts undertaken during the year to reduce the volume and toxicity of waste generated;

(i) For generators who treat, store, or dispose of hazardous waste on-site, a description of the changes in volume and toxicity of waste actually achieved during the year in comparison to previous years to the extent the information is available for the years prior to 1984;

(j) The certification signed by the owner or operator of the facility or his authorized representative.

12.7 UNMAINFESTED WASTE REPORT

If a facility accepts for treatment, storage, or disposal any hazardous waste from an off-site source without an accompanying manifest, or without an accompanying shipping paper as described in R315-4-3(e)(2) of these rules, and if the waste is not excluded from the manifest requirements by R315-2-2, then the owner or operator shall prepare and submit a single copy of a report to the Board within 15 days after receiving the waste. These reports shall be designated "Unmanifested Waste Report" and include the following information:

(a) The EPA identification number, name, and address of the facility;

(b) The date the facility received the waste;

(c) The EPA identification number, name, and address of the generator and the transporter, if available;

(d) A description and the quantity of each unmanifested hazardous waste the facility received;

(e) The method of treatment, storage, or disposal for each hazardous waste;

(f) The certification signed by the owner or operator of the facility or his authorized representative; and

(g) A brief explanation of why the waste was unmanifested, if known.

Small quantities of hazardous waste are excluded from regulation under R315-7 and do not require a manifest. Where a facility receives unmanifested hazardous wastes, the owner or operator should obtain from each generator a certification that the waste qualifies for exclusion. Otherwise, the owner or operator should file an unmanifested waste report for the hazardous waste movement.

12.8 ADDITIONAL REPORTS

In addition to the biennial and unmanifested waste reporting requirements described in R315-7-12.6, and R315-7-12.7, a facility owner or operator shall also report to the Board:

(a) Discharges, fires, and explosions as specified in R315-7-11.7(j);

(b) Groundwater contamination and monitoring data as specified in R315-7-13.4 and R315-7-13.5;

(c) Facility closure as specified in R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120;

(d) Upon its request, all information as the Board may deem necessary to determine compliance with the requirements of R315-7;

(e) As otherwise required by R315-7-26, which incorporates by reference 40 CFR 265.1030 - 265.1035, R315-7-27, which incorporate by reference 40 CFR 265 265.1050 - 265.1064 and R315-7-30, which incorporates by reference 40 CFR 265.1080 - 265.1091.

R315-7-13. Groundwater Monitoring.

13.1 APPLICABILITY

(a) The owner or operator of a surface impoundment, landfill, or land treatment facility which is used to manage hazardous waste shall implement a groundwater monitoring program capable of determining the facility's impact on the quality of groundwater in the uppermost aquifer underlying the facility, except as R315-7-8.1 and R315-7-13.1(c) provide otherwise.

(b) Except as R315-7-13.1(c) and (d) provide otherwise, the owner or operator shall install, operate, and maintain a groundwater monitoring system which meets the requirements of R315-7-13.2, and shall comply with R315-7-13.3 - R315-7-13.5. This groundwater monitoring program shall be carried out during the active life of the facility, and for disposal facilities, during the post-closure care period as well.

(c) All or part of the groundwater monitoring sampling and analysis requirements of this section may be waived if the owner or operator can demonstrate that there is a low potential for migration of hazardous waste or hazardous waste constituents from the facility via the uppermost aquifer to water supply wells, domestic, industrial, or agricultural, or to surface water. This demonstration shall be in writing, and shall be kept at the facility. This demonstration shall be certified by a qualified geologist or geotechnical engineer and shall establish the following:

(1) The potential for migration of hazardous waste or hazardous waste constituents from the facility to the uppermost aquifer, by an evaluation of:

(i) A water balance of precipitation, evapotranspiration, run-off, and infiltration; and

(ii) Unsaturated zone characteristics, i.e., geologic materials, physical properties, and depth to groundwater; and

(2) The potential for hazardous waste or hazardous waste constituents which enter the uppermost aquifer to migrate to a water supply well or surface water, by an evaluation of:

(i) Saturated zone characteristics, i.e., geologic materials, physical properties, and rate of groundwater flow; and

(ii) The proximity of the facility to water supply wells or surface water.

(d) If an owner or operator assumes, or knows, that groundwater monitoring of indicator parameters in accordance with R315-7-13.2 and R315-7-13.3 would show statistically

significant increases, or decreases in the case of pH, when evaluated under R315-7-13.4(b), he may install, operate, and maintain an alternate groundwater monitoring system, other than the one described in R315-7-13.2 and R315-7-13.3. If the owner or operator decides to use an alternate groundwater monitoring system he shall:

(1) Submit to the Board a specific plan, certified by a qualified geologist or geotechnical engineer, which satisfies the requirements of R315-7-13.4(d)(3) for an alternate groundwater monitoring system;

(2) Initiate the determinations specified in R315-7-13.4(d)(4);

(3) Prepare and submit a written report in accordance with R315-7-13.4(d)(5);

(4) Continue to make the determinations specified in R315-7-13.4(d)(4) on a quarterly basis until final closure of the facility; and

(5) Comply with the recordkeeping and reporting requirements in R315-7-13.5(d).

(e) The groundwater monitoring requirements of this section may be waived with respect to any surface impoundment that (1) is used to neutralize wastes which are hazardous solely because they exhibit the corrosivity characteristics under R315-2-9 or are listed as hazardous wastes in R315-2-10 only for this reason, and (2) contains no other hazardous wastes, if the owner or operator can demonstrate that there is no potential for migration of hazardous wastes from the impoundment. The demonstration must be established, based upon consideration of the characteristics of the wastes and the impoundment, that the corrosive wastes will be neutralized to the extent that they no longer meet the corrosivity characteristic before they can migrate out of the impoundment. The demonstration must be in writing and must be certified by a qualified professional.

(f) The Executive Secretary may replace all or part of the requirements of R315-7-13 applying to a regulated unit, as defined in R315-8-6, with alternative requirements developed for groundwater monitoring set out in an approved closure or post-closure plan or in an enforceable document, as defined in R315-3-1.1(e)(7), where the Executive Secretary determines that:

(1) A regulated unit is situated among solid waste management units, or areas of concern, a release has occurred, and both the regulated unit and one or more solid waste management unit(s), or areas of concern, are likely to have contributed to the release; and

(2) It is not necessary to apply the requirements of R315-7-13 because the alternative requirements will protect human health and the environment. The alternative standards for the regulated unit must meet the requirements of R315-8-6.12(a).

13.2 GROUNDWATER MONITORING SYSTEM

(a) A groundwater monitoring system shall be capable of yielding groundwater samples for analysis and shall consist of:

(1) Monitoring wells, at least one, installed hydraulically upgradient, i.e., in the direction of increasing static head from the limit of the waste management area. Their number, locations, and depths shall be sufficient to yield groundwater samples that are:

(i) Representative of background groundwater quality in the uppermost aquifer near the facility; and

(ii) Not affected by the facility.

(2) Monitoring wells, at least three, installed hydraulically downgradient, i.e., in the direction of decreasing static head, at the limit of the waste management area. Their number, locations, and depths shall ensure that they immediately detect any statistically significant amounts of hazardous waste or hazardous waste constituents that migrate from the waste management area to the uppermost aquifer.

(3) The facility owner or operator may demonstrate that an alternate hydraulically downgradient monitoring well location will meet the criteria outlined below. The demonstration must be in writing and kept at the facility. The demonstration must be certified by a qualified ground-water scientist and establish that:

(i) An existing physical obstacle prevents monitoring well installation at the hydraulically downgradient limit of the waste management area; and

(ii) The selected alternate downgradient location is as close to the limit of the waste management area as practical; and

(iii) The location ensures detection that, given the alternate location, is as early as possible of any statistically significant amounts of hazardous waste or hazardous waste constituents that migrate from the waste management area to the uppermost aquifer.

(iv) Lateral expansion, new, or replacement units are not eligible for an alternate downgradient location under this paragraph.

(b) Separate monitoring systems for each waste management component of the facility are not required provided that provisions for sampling upgradient and downgradient water quality will detect any discharge from the waste management area.

(1) In the case of a facility consisting of only one surface impoundment, landfill, or land treatment area, the waste management area is described by the waste boundary perimeter.

(2) In the case of a facility consisting of more than one surface impoundment, landfill, or land treatment area, the waste management area is described by an imaginary boundary line which circumscribes the several waste management components.

(c) All monitoring wells shall be cased in a manner that maintains the integrity of the monitoring well bore hole. This casing shall be screened or perforated, and packed with gravel or sand where necessary to enable sample collection at depths where appropriate aquifer flow zones exist. The annular space, i.e., the space between the bore hole and well casing above the sampling depth shall be sealed with a suitable material, e.g., cement grout or bentonite slurry, to prevent contamination of samples and the ground water.

13.3 SAMPLING AND ANALYSIS

(a) The owner or operator shall obtain and analyze samples from the installed groundwater monitoring system. The owner or operator shall develop and follow a groundwater sampling and analysis plan. He shall keep this plan at the facility. The plan shall include procedures and techniques for:

(1) Sample collection;

(2) Sample preservation and shipment;

(3) Analytical procedures; and

(4) Chain of custody control.

See "Procedures Manual for Groundwater Monitoring at

Solid Waste Disposal Facilities," EPA-530/SW-611, August 1977 and "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1979 for discussions of sampling and analysis procedures.

(b) The owner or operator shall determine the concentration or value of the following parameters in groundwater samples in accordance with R315-7-13.3(c) and (d):

(1) Parameters characterizing the suitability of the groundwater as a drinking water supply, as specified in R315-50-3, which incorporates by reference 40 CFR 265, Appendix III.

(2) Parameters establishing groundwater quality:

(i) Chloride

(ii) Iron

(iii) Manganese

(iv) Phenols

(v) Sodium

(vi) Sulfate

These parameters are to be used as a basis for comparison in the event a groundwater quality assessment is required under R315-7-13.4(d).

(3) Parameters used as indicators of groundwater contamination:

(i) pH

(ii) Specific Conductance

(iii) Total Organic Carbon

(iv) Total Organic Halogen

(c)(1) For all monitoring wells, the owner or operator shall establish initial background concentrations or values of all parameters specified in R315-7-13.3(b). He shall do this quarterly for one year.

(2) For each of the indicator parameters specified in R315-7-13.3(b)(3), at least four replicate measurements shall be obtained for each sample and the initial background arithmetic mean and variance shall be determined by pooling the replicate measurements for the respective parameter concentrations or values in samples obtained from upgradient wells during the first year.

(d) After the first year, all monitoring wells shall be sampled and the samples analyzed with the following frequencies:

(1) Samples collected to establish groundwater quality shall be obtained and analyzed for the parameters specified in R315-7-13.3(b)(2) at least annually.

(2) Samples collected to indicate groundwater contamination shall be obtained and analyzed for the parameters specified in R315-7-13.3(b)(3) at least semiannually.

(e) Elevation of the groundwater surface at each monitoring well shall be determined each time a sample is obtained.

13.4 PREPARATION, EVALUATION, AND RESPONSE

(a) The owner or operator shall prepare an outline of a groundwater quality assessment program. The outline shall describe a more comprehensive groundwater monitoring program, than that described in R315-7-13.2 and R315-7-13.3, capable of determining:

(1) Whether hazardous waste or hazardous waste constituents have entered the groundwater;

(2) The rate and extent of migration of hazardous waste or hazardous waste constituents in the groundwater; and

(3) The concentrations of hazardous waste or hazardous waste constituents in the groundwater.

(b) For each indicator parameter specified in R315-7-13.3(b)(3), the owner or operator shall calculate the arithmetic mean and variance, based on at least four replicate measurements on each sample, for each well monitored in accordance with R315-7-13.3(d)(2) and compare these results with its initial background arithmetic mean. The comparison shall consider individually each of the wells in the monitoring system, and shall use the Students t-test at the 0.01 level of significance, see R315-50-1F(a), to determine statistically significant increases, and decreases, in the case of pH, over initial background.

(c)(1) If the comparisons for the upgradient wells made under R315-7-13.4(b) show a significant increase, or pH decrease, the owner or operator shall submit this information in accordance with R315-7-13.5(a)(2)(ii).

(2) If the comparisons for downgradient wells made under R315-7-13.4(b) show a significant increase, or pH decrease, the owner or operator shall then immediately obtain additional groundwater samples from those downgradient wells where a significant difference was detected, split the samples in two, and expeditiously obtain analyses of all additional samples to determine whether the significant difference was a result of laboratory error.

(d)(1) If the analyses performed under R315-7-13.4(c)(2) confirm the significant increase, or pH decrease, the owner or operator shall provide written notice to the Board--within seven days of the date of the confirmation--that the facility may be affecting groundwater quality.

(2) Within 15 days after the notification under R315-7-13.4(d)(1), the owner or operator shall develop and submit to the Board a specific plan, based on the outline required under R315-7-13.4(a) and certified by a qualified geologist or geotechnical engineer, for a groundwater quality assessment program at the facility.

(3) The plan to be submitted under R315-7-13.1(d)(1) or R315-7-13.4(d)(2) shall specify:

(i) The number, location, and depth of wells;

(ii) Sampling and analytical methods for those hazardous wastes or hazardous waste constituents in the facility;

(iii) Evaluation procedures, including any use of previously-gathered groundwater quality information; and

(iv) A schedule of implementation.

(4) The owner or operator shall implement the groundwater quality assessment plan which satisfies the requirements of R315-7-13.4(d)(3), and, at a minimum, determine:

(i) The rate and extent of migration of the hazardous waste or hazardous waste constituents in the groundwater; and

(ii) The concentrations of the hazardous waste or hazardous waste constituents in the groundwater.

(5) The owner or operator shall make his first determination under R315-7-13.4(d)(4) as soon as technically feasible, and, within 15 days after that determination submit to the Board a written report containing an assessment of the

groundwater quality.

(6) If the owner or operator determines, based on the results of the first determination under R315-7-13.4(d)(4), that no hazardous waste or hazardous waste constituents from the facility have entered the groundwater, then he may reinstate the indicator evaluation program described in R315-7-13.3 and R315-7-13.4(b). If the owner or operator reinstates the indicator evaluation program, he shall so notify the Board in the report submitted under R315-7-13.4(d)(5).

(7) If the owner or operator determines, based on the first determination under R315-7-13.4(d)(4), that hazardous waste or hazardous waste constituents from the facility have entered the groundwater, then he:

(i) Must continue to make the determinations required under R315-7-13.4(d)(4) on a quarterly basis until final closure of the facility, if the groundwater quality assessment plan was implemented prior to final closure of the facility; or

(ii) May cease to make the determinations required under R315-7-13.4(d)(4), if the groundwater quality assessment plan was implemented during the post-closure care period.

(e) Notwithstanding any other provision of R315-7-13, any groundwater quality assessment to satisfy the requirements of R315-7-13.4(d)(4) which is initiated prior to final closure of the facility shall be completed and reported in accordance with R315-7-13.4(d)(5).

(f) Unless the groundwater is monitored to satisfy the requirements of R315-7-13.4(d)(4), at least annually the owner or operator shall evaluate the data on groundwater surface elevations obtained under R315-7-13.3(e) to determine whether the requirements under R315-7-13.2(a) for locating the monitoring wells continues to be satisfied. If the evaluation shows that R315-7-13.2(a) is no longer satisfied, the owner or operator shall immediately modify the number, location, or depth of the monitoring wells to bring the groundwater monitoring system into compliance with this requirement.

13.5 RECORDKEEPING AND REPORTING

(a) Unless the groundwater is monitored to satisfy the requirements of R315-7-13.4(d)(4), the owner or operator shall:

(1) Keep records of the analyses required in R315-7-13.3(c) and (d), the associated groundwater surface elevations required in R315-7-13.3(e), and the evaluations required in R315-7-13.4(b) throughout the active life of the facility, and, for disposal facilities, throughout the post-closure care period as well; and

(2) Report the following groundwater monitoring information to the Board:

(i) During the first year when initial background concentrations are being established for the facility: concentrations or values of the parameters listed in R315-7-13.3(b)(1) for each groundwater monitoring well within 15 days after completing each quarterly analysis. The owner or operator shall separately identify for each monitoring well any parameters whose concentration or value has been found to exceed the maximum contaminant levels listed in 40 CFR 265, Appendix III.

(ii) Annually: concentrations or values of the parameters listed in R315-7-13.3(b)(3) for each groundwater monitoring well, along with the required evaluations for these parameters under R315-7-13.4(b). The owner or operator shall separately identify any significant differences from initial background found in the upgradient wells, in accordance with R315-7-13.4(c)(1). During the active life of the facility, this information shall be submitted no later than March 1 following each calendar year.

(iii) No later than March 1 following each calendar year: results of the evaluation of groundwater surface elevations under R315-7-13.4(f), and a description of the response to that evaluation, where applicable.

(b) If the groundwater is monitored to satisfy the requirements of R315-7-13.4(d)(4), the owner or operator shall:

(1) Keep records of the analyses and evaluations specified in the plan, which satisfies the requirements of R315-7-13.4(d)(3), throughout the active life of the facility, and, for disposal facilities, throughout the post-closure care period as well; and

(2) Annually, until final closure of the facility, submit to the Board a report containing the results of his groundwater quality assessment program which includes, but is not limited to, the calculated (or measured) rate of migration of hazardous waste or hazardous waste constituents in the groundwater during the reporting period. This report shall be submitted no later than March 1, following each calendar year.

R315-7-14. Closure and Post-Closure.

The requirements as found in 40 CFR 265 subpart G (265.110 - 265.121), 1998 ed., as amended by 63 FR 56710, October 22, 1998, are adopted and incorporated by reference with the following exceptions:

(a) Substitute "Board" for all references to "Administrator" or "Regional Administrator".

(b) Substitute the word "appointee" for "employee."

(c) Substitute "Board" for "Agency."

(d) Substitute 19-6 for references to RCRA.

R315-7-15. Financial Requirements.

The requirements as found in 40 CFR 265 subpart H (265.140 - 265.150), 1998 ed., as amended by 63 FR 56710, October 22, 1998, are adopted and incorporated by reference with the following exceptions:

(a) Substitute "Board" for all references to "Administrator" or "Regional Administrator."

(b) Substitute "Board" for "Agency" or "EPA".

(c) Substitute 19-6 for references to Sections of RCRA.

R315-7-16. Use and Management of Containers.

16.1 APPLICABILITY

The rules in this section apply to the owners or operators of all hazardous waste management facilities that store containers of hazardous waste, except as provided otherwise in R315-7-8.1.

16.2 CONDITION OF CONTAINERS

The container holding hazardous waste shall be in good condition and shall not leak. If a container is not in good condition, or if it begins to leak, the owner or operator shall transfer the hazardous waste from the container to a storage container that is in good condition, or manage the waste in another fashion which complies with the requirements of R315-7.

16.3 COMPATIBILITY OF WASTE WITH CONTAINER

Owners or operators shall use containers made of or lined with materials which will not react with, and are otherwise compatible with, the waste to be stored, so that the ability of the container to contain the waste is not impaired.

16.4 MANAGEMENT OF CONTAINERS

(a) A container holding hazardous waste shall always be closed during storage, except when it is necessary to add or remove waste.

(b) A container holding hazardous waste shall not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Reuse of containers is also governed by the U.S. Department of Transportation regulations, including those set forth in 49 CFR 173.28.

16.5 INSPECTIONS

In addition to the inspections required by R315-7-9.6, the owner or operator shall inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors. See R315-7-16.2 for remedial action required if deterioration or leaks are detected.

16.6 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

Containers holding ignitable or reactive waste shall be located more than 15 meters, 50 feet, from the facility's property line.

See R315-7-9.8 for additional requirements.

16.7 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE

(a) Incompatible wastes or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same container, unless R315-79.8(b) is complied with.

(b) Hazardous waste shall not be placed in an unwashed container that previously held an incompatible waste or material, see 40 CFR 265, Appendix V for examples, unless R315-7-9.8(b) is complied with.

(c) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, open tanks, piles, or surface impoundments shall be separated from the other materials or protected from them by means of a dike, berm, wall, or other device. The purpose of this is to prevent fires, explosions, gaseous emissions, leaching, or other discharge of hazardous wastes or hazardous constituents which could result from the mixing of incompatible materials.

16.8 AIR EMISSION STANDARDS

The owner or operator shall manage all hazardous waste placed in a container in accordance with the applicable requirements of R315-7-26, which incorporates by reference 40 CFR subpart AA, R315-7-27, which incorporates by reference 40 CFR subpart BB, and R315-7-30, which incorporates by reference 40 CFR subpart CC.

R315-7-17. Tanks.

The requirements as found in 40 CFR 265 subpart J, 265.190-265.202, 1996 ed., as amended by 61 FR 59931, November 25, 1996, are adopted and incorporated by reference with the following exceptions:

(a) Substitute "Executive Secretary" for all references to "Regional Administrator" found in 40 CFR 265 subpart J with the exception of 40 CFR 265.193(g) and (h)(5), which will replace "Regional Administrator" with "Board".

(b) Add, following January 12, 1988, in 40 CFR 265.191(a), "or by December 16, 1988, for non-HSWA existing tank systems."

(c) Replace 40 CFR 265.193(a)(2) to (4) with the following corresponding paragraphs:

(1) For all HSWA existing tank systems used to store or treat EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027, within two years after January 12, 1987, or within two years after December 16, 1988, for non-HSWA existing tank systems;

(2) For those HSWA existing tank systems of known and documented age, within two years after January 12, 1987, or within two years after December 16, 1988, for non-HSWA existing tank systems, or when the tank system has reached 15 years of age, whichever comes later;

(3) For those HSWA existing tank systems for which the age cannot be documented, within eight years of January 12, 1987, or within eight years of December 16, 1988, for non-HSWA existing tank systems; but if the age of the facility is greater than seven years, secondary containment must be provided by the time the facility reaches 15 years of age, or within two years of January 12, 1987, or within two years of December 16, 1988, for non-HSWA existing tank systems, whichever comes later; and

(d) Add, following the last January 12, 1987, in 40 CFR 265.193(a)(5), "or December 16, 1988, for non-HSWA tank systems."

R315-7-18. Surface Impoundments.

18.1 APPLICABILITY

The rules in this section apply to the owners and operators of facilities that use surface impoundments for the treatment, storage, or disposal of hazardous waste, except as provided otherwise in R315-7-8.1.

18.2 ACTION LEAKAGE RATE

(a) The owner or operator of surface impoundment units subject to R315-7-18.9(a) must submit a proposed action leakage rate to the Executive Secretary when submitting the notice required under R315-7-18.9(b). Within 60 days of receipt of the notification, the Executive Secretary will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this section; or extend the review period for up to 30 days. If no action is taken by the Executive Secretary before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

(b) The Executive Secretary shall approve an action leakage rate for surface impoundment units subject to R315-7-18.9(a). The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and

location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under R315-7-18.5(b), to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period, and if the unit closes in accordance with R315-7-18.6, which incorporates by reference 40 CFR 265.228(a)(2), monthly during the post-closure care period when monthly monitoring is required under R315-7-18.5(b).

18.3 CONTAINMENT SYSTEM

All earthen dikes shall have a protective cover, such as grass, shale, or rock, to minimize wind and water erosion and to preserve their structural integrity.

18.4 WASTE ANALYSIS AND TRIAL TESTS

In addition to the waste analyses required by R315-7-9.4, which incorporates by reference 40 CFR 265.13, whenever a surface impoundment is used to:

(1) Chemically treat a hazardous waste which is substantially different from waste previously treated in that impoundment; or

(2) Chemically treat hazardous waste with a substantially different process than any previously used in that impoundment; the owner or operator shall, before treating the different waste or using the different process:

(i) Conduct waste analyses and trial treatment tests, e.g., bench scale or pilot plant scale tests; or

(ii) Obtain written, documented information on similar treatment of similar waste under similar operating conditions; to show that this treatment will comply with R315-7-9.8(b).

The owner or operator shall record the results from each waste analysis and trial test in the operating record of the facility, see R315-7-12.4, which incorporates by reference 40 CFR 265.73.

18.5 MONITORING AND INSPECTIONS

(a) The owner or operator shall inspect:

(1) The freeboard level at least once each operating day to ensure compliance with R315-7-18.2, and

(2) The surface impoundment, including dikes and vegetation surrounding the dike, at least once a week to detect any leads, deterioration, or failures in the impoundment.

(b)(1) An owner or operator required to have a leak detection system under R315-7-18.9(a) shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

(2) After the final cover is installed, the amount of liquids removed from each leak detection system sump shall be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps shall be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps shall be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

(3) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Executive Secretary based on pump activation level, sump dimensions, and level that avoids backup into the drainage layer and minimizes head in the sump. The timing for submission and approval of the proposed "pump operating level" will be in accordance with R315-7-18.2(a).

The owner or operator shall remedy any deterioration or malfunction he finds.

18.6 CLOSURE AND POST-CLOSURE

The requirements as found in 40 CFR 265.228, 1992 ed., are adopted and incorporated by reference.

18.7 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

Ignitable or reactive waste shall not be placed in a surface impoundment, unless the waste and impoundment satisfy all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, and:

(a) The waste is treated, rendered, or mixed before or immediately after placement in the impoundment so that:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) and (f); and

(2) R315-7-9.8(b) is complied with; or

(b)(1) The waste is managed in such a way that it is protected from any material or conditions which may cause it to ignite or react; and

(2) Maintain and monitor the leak detection system in accordance with R315-8-11.2(c)(2)(iv) and (3) and R315-7-18.5(b) and comply with all other applicable leak detection system requirements of R315-7;

(3) The owner or operator obtains a certification from a qualified chemist or engineer that, to the best of his knowledge and opinion, the design features or operating plans of the facility will prevent ignition or reaction; and

(4) The certification and the basis for it are maintained at the facility; or

(c) The surface impoundment is used solely for emergencies.

18.8 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

Incompatible wastes or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same surface impoundment, unless they will not generate heat, fumes, fires, or explosive reactions that could damage the structural integrity of the impoundment, or otherwise threaten human health or the environment.

18.9 DESIGN REQUIREMENTS

(a) The owner or operator of each new surface impoundment unit on which construction commences after January 29, 1992, each lateral expansion of a surface impoundment unit on which construction commences after July

29, 1992, and each replacement of an existing surface impoundment unit that is to commence reuse after July 29, 1992 must install two or more liners and a leachate collection and removal system between such liners, and operate the leachate collection and removal system, in accordance with R315-7-18.9(c), unless exempted under R315-7-18.9(d), (e), or (f). "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, under "existing facility."

(b) The owner or operator of each unit referred to in paragraph (a) of this section shall notify the Board at least 60 days prior to receiving waste. The owner or operator of each facility submitting notice must file a part B application within six months of the receipt of the notice.

(c) The owner or operator of any replacement surface impoundment unit is exempt from R315-7-18.9(a) if:

(1) The existing unit was constructed in compliance with the design standards of Section 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act; and

(2) There is no reason to believe that the liner is not functioning as designed.

(d) The double liner requirement set forth in R315-7-18.9(a) may be waived by the Board for any monofill, if;

(1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and these wastes do not contain constituents which would render the wastes hazardous for reasons other than the Toxicity Characteristic in R315-2-9(g) with EPA Hazardous Waste Numbers D004 through D017; and

(2)(i)(A) The monofill has at least one liner for which there is no evidence that the liner is leaking. For the purposes of this paragraph the term "liner" means a liner designed, constructed, installed, and operated to prevent hazardous waste from passing into the liner at any time during the active life of the facility, or a liner designed, constructed, installed, and operated to prevent hazardous waste from migrating beyond the liner to adjacent subsurface soil, groundwater, or surface water at any time during the active life of the facility. In the case of any surface impoundment which has been exempted from the requirements of R315-7-18.9(a) on the basis of a liner designed, constructed, installed, and operated to prevent hazardous waste from passing beyond the liner, at the closure of the impoundment the owner or operator must remove or decontaminate all waste residues, all contaminated liner material, and contaminated soil to the extent practicable given the specific site conditions and the nature and extent of contamination. If all contaminated soil is not removed or decontaminated, the owner or operator of the impoundment must comply with appropriate post-closure requirements, including but not limited to groundwater monitoring and corrective action.

(B) The monofill is located more than one-quarter mile from an underground source of drinking water, as that term is defined in 40 CFR; 144.3; and

(C) The monofill is in compliance with applicable groundwater monitoring requirements for facilities with permits; or

(ii) The owner or operator demonstrates that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

(e) In the case of any unit in which the liner and leachate collection system has been installed pursuant to the requirements of R315-7-18.9(a) and in good faith compliance with R315-7-18.9(a) and with guidance documents governing liners and leachate collection systems under R315-7-18.9(a), no liner or leachate collection system which is different from that which was so installed pursuant to R315-7-18.9(a) will be required for the unit by the Board when issuing the first permit to the facility, except that the Board will not be precluded from requiring installation of a new liner when the Board has reason to believe that any liner installed pursuant to the requirements of R315-7-18.9(a) is leaking.

(f) A surface impoundment shall maintain enough freeboard to prevent overtopping of the dike by overfilling, wave action, or a storm. Except as provided in R315-7-18.2(b), there shall be at least 60 centimeters, two feet, of freeboard.

(g) A freeboard level less than 60 centimeters, two feet, shall be maintained if the owner or operator obtains certification by a qualified engineer that alternate design features or operating plans will, to the best of his knowledge and opinion, prevent overtopping of the dike. The certification, along with written identification of alternate design features or operating plans preventing overtopping, shall be maintained at the facility.

(h) Surface impoundments that are newly subject to R315-7-18 due to the promulgation of additional listings or characteristics for the identification of hazardous waste must be in compliance with R315-7-18.9(a), (c) and (d) not later than 48 months after the promulgation of the additional listing or characteristic. This compliance period shall not be cut short as the result of the promulgation of land disposal prohibitions under R315-13, which incorporates by Reference 40 CFR 268, or the granting of an extension to the effective date of a prohibition pursuant to 40 CFR 268.5, within this 48-month period.

18.10 RESPONSE ACTIONS

(a) The owner or operator of surface impoundment units subject to R315-7-18.9(a) shall submit a response action plan to the Executive Secretary when submitting the proposed action leakage rate under R315-7-18.2. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in R315-7-18.10(b).

(b) If the flow rate into the leak detection system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedence within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit

should be closed;

(5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-7-18.10(b)(3)-(5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator must submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and/or remediation determinations in R315-7-18.10(b)(3)-(5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source,

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

18.11 AIR EMISSION STANDARDS

The owner or operator shall manage all hazardous waste placed in a surface impoundment in accordance with the applicable requirements of R315-7-27, which incorporates by reference 40 CFR subpart BB, and R315-7-30, which incorporates by reference 40 CFR subpart CC.

R315-7-19. Waste Piles.

19.1 Applicability

The rules in this section apply to the owners and operators of facilities that treat or store hazardous waste in piles, except as provided otherwise in R315-7-8.1. Alternatively, a pile of hazardous waste may be managed as a landfill under R315-7-21.

19.2 Protection From Wind

The owners or operators of a pile containing hazardous waste which could be subject to dispersal by wind shall cover or otherwise manage the pile so that the wind dispersal is controlled.

19.3 Waste Analysis

In addition to the waste analyses required by R315-7-9.4, owners or operators shall analyze a representative sample from each incoming shipment of waste before adding the waste to any existing pile, unless the only wastes the facility receives which are amenable to piling are compatible with each other, or the waste received is compatible with the waste in the pile to which it is to be added. The analysis conducted shall be capable of differentiating between the types of hazardous waste which are placed in piles, so that mixing of incompatible waste does not inadvertently occur. The analysis shall include a visual comparison of color and texture. The results of these analyses shall be placed in the operating record.

19.4 Containment

If leachate or run-off from a pile is a hazardous waste, then either:

(a)(1) The pile shall be placed on an impermeable base that is compatible with the waste under the conditions of treatment or storage;

(2) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portion of the pile during peak discharge from at least a 25-year storm;

(3) The owner or operator shall design, construct, operate, and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm; and

(4) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously to maintain design capacity of the system; or

(b)(1) The pile shall be protected from precipitation and run-on by some other means; and

(2) No liquids or wastes containing free liquids may be placed in the pile.

19.5 Special Requirements for Ignitable Waste

Ignitable waste shall not be placed in a pile unless the waste and waste pile satisfy all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, and:

(a) Addition of the waste to an existing pile results in the waste or mixture no longer meeting the definition of ignitable waste under R315-2-9(d), and complies with R315-7-9.8; or

(b) The waste is managed in such a way that it is protected from any material or conditions which may cause it to react.

19.6 Requirements for Reactive Waste

Reactive waste shall not be placed in a pile unless the waste and pile satisfy all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, and:

(a) Addition of the waste to an existing pile results in the waste or mixture no longer meeting the definition of reactive waste under R315-2-9(f) and complies with R315-7-9.8; or

(b) The waste is managed in such a way that it is protected from any material or condition which may cause it to react.

19.7 Special Requirements for Incompatible Waste

(a) Incompatible waste, or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same pile unless, R315-7-9.8(b) is complied with.

(b) A pile of hazardous waste that is incompatible with any waste or other material stored nearby in other containers, piles, open tanks, or surface impoundments shall be separated from the other materials, or protected from them by means of a dike, berm, wall, or other device. The purpose of this is to prevent gaseous emissions, fires, explosions, leaching or other discharge of hazardous waste or hazardous waste constituents which could result from the contact or mixing of incompatible wastes or materials.

(c) Hazardous waste shall not be piled on the same area where incompatible wastes or materials were previously piled, unless that area has been decontaminated sufficiently to ensure compliance with R315-7-9.8(b).

19.8 Closure and Post-Closure Care

(a) At closure, the owner or operator shall remove or decontaminate all waste residues, contaminated containment system components, liners, etc., contaminated subsoils, and structures and equipment contaminated with waste and leachate, and manage them as hazardous waste unless R315-2-3(d)

applies; or

(b) If, after removing or decontaminating all residues and making all reasonable efforts to effect removal or decontamination of contaminated components, subsoils, structures, and equipment as required in R315-7-19.8(a), the owner or operator finds that not all contaminated subsoils can be practicably removed or decontaminated, he shall close the facility and perform post-closure care in accordance with the closure and post-closure requirements that apply to landfills, R315-7-21.4.

19.9 Design and Operating Requirements

The owner or operator of each new waste pile on which construction commences after January 29, 1992, each lateral expansion of a waste pile unit on which construction commences after July 29, 1992, and each such replacement of an existing waste pile unit that is to commence reuse after July 29, 1992 shall install two or more liners and a leachate collection and removal system above and between such liners, and operate the leachate collection and removal systems, in accordance with R315-8-12.2(c), unless exempted under R315-8-12.2(d), (e), or (f); and must comply with the procedures of R315-7-18.9(b). "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, under "existing facility".

19.10 Action Leakage Rates

(a) The owner or operator of waste pile units subject to R315-7-19.9 shall submit a proposed action leakage rate to the Executive Secretary when submitting the notice required under R315-7-19.9. Within 60 days of receipt of the notification, the Executive Secretary will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this section; or extend the review period for up to 30 days. If no action is taken by the Executive Secretary before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

(b) The Executive Secretary shall approve an action leakage rate for surface impoundment units subject to R315-7-19.9. The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly flow rate from the monitoring data obtained under R315-7-19.12, to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period.

19.11 Response Actions

(a) The owner or operator of waste pile units subject to R315-7-19.9 shall submit a response action plan to the Executive Secretary when submitting the proposed action leakage rate under R315-7-19.10. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan shall describe the actions specified in R315-7-19.11(b).

(b) If the flow rate into the leak determination system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedence within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipts should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit should be closed;

(5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-7-19.11(b)(3)-(5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator shall submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and/or remediation determinations in R315-7-19.11(b)(3)-(5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source,

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

19.12 Monitoring and Inspection

An owner or operator required to have a leak detection system under R315-7-19.9 shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

R315-7-20. Land Treatment.

20.1 Applicability

The rules in this section apply to owners and operators of hazardous waste land treatment facilities, except as provided otherwise in R315-7-8.1.

20.2 General Operating Requirements

(a) Hazardous waste shall not be placed in or on a land treatment facility unless the waste can be made less hazardous or non-hazardous by degradation, transformation, or

immobilization processes occurring in or on the soil.

(b) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portions of the facility during peak discharge from at least a 25-year storm.

(c) The owner or operator shall design, construct, operate, and maintain a run-off management system capable of collecting and controlling a water volume at least equivalent to a 24-hour, 25-year storm.

(d) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

(e) If the treatment zone contains particulate matter which may be subject to wind dispersal, the owner or operator shall manage the unit to control wind dispersal.

20.3 Waste Analysis

In addition to the waste analyses required by R315-7-9.4, before placing a hazardous waste in or on a land treatment facility, the owner or operator shall:

(a) Determine the concentration in the waste of any substances which equal or exceed the maximum concentrations contained in Table 1 of 40 CFR 261.24, that cause a waste to exhibit the Toxicity Characteristic;

(b) For any waste listed in R315-2, determine the concentration of any substances which caused the waste to be listed as a hazardous waste; and

(c) If food chain crops are grown, determine the concentrations in the waste of each of the following constituents: arsenic, cadmium, lead, and mercury, unless the owner or operator has written documented data that show that the constituent is not present;

R315-50-9, which incorporates by reference 40 CFR 261, Appendix VII, specifies the substances for which a waste is listed as a hazardous waste. As required by R315-7-9.4, the waste analysis plan shall include analyses needed to comply with R315-7-20.8 and R315-7-20.9. As required by R315-7-12.4, the owner or operator shall place the results from each waste analysis, or the documented information, in the operating record of the facility.

20.4 Food Chain Crops

(a) An owner or operator of a hazardous waste land treatment facility on which food chain crops are being grown, or have been grown and will be grown in the future, shall notify the Board. The growth of food chain crops at a facility which has never before been used for this purpose is a significant change in process under R315-3. Owners or operators of these land treatment facilities who propose to grow food chain crops shall comply with R315-3.

(b)(1) Food chain crops shall not be grown on the treated area of a hazardous waste land treatment facility unless the owner or operator can demonstrate, based on field testing, that any arsenic, lead, mercury, or other constituents identified under R315-7-20.3(b):

(i) Will not be transferred to the food portion of the crop by plant uptake or direct contact, and will not otherwise be ingested by food chain animals, e.g., by grazing; or

(ii) Will not occur in greater concentrations in the crops grown on the land treatment facility than in the same crops grown on untreated soils under similar conditions in the same region.

(2) The information necessary to make the demonstration required by R315-7-20.4(b)(1) shall be kept at the facility and shall, at a minimum:

(i) Be based on tests for the specific waste and application rates being used at the facility; and

(ii) Include descriptions of crop and soil characteristics, sample selection criteria, sample size determination, analytical methods and statistical procedures.

(c) Food chain crops shall not be grown on a land treatment facility receiving waste that contains cadmium unless all requirements of R315-7-20.4(c)(1)(i) through (iii) or all requirements of R315-7-20.4(c)(2)(i) through (iv) are met.

(1)(i) The pH of the waste and soil mixture is 6.5 or greater at the time of each waste application, except for waste containing cadmium at concentration of 2. mg/kg, dry weight, or less.

(ii) The annual application of cadmium from waste does not exceed 0.5 kilograms per hectare (kg/ha) on land use for production of tobacco, leafy vegetables, or root crops grown for human consumption. For other food chain crops, the annual cadmium application rate does not exceed:

TABLE

Time Period	Annual Cd Application Rate (kg/ha)
Present to June 30, 1984	2.0
July 1, 1984 to December 31, 1986	1.25
Beginning January 1, 1987	0.5

(iii) The cumulative application of cadmium from waste does not exceed the levels in either paragraph (A) or (B) below:

(A)

TABLE

Soil cation exchange capacity (meq/100g)	MAXIMUM CUMULATIVE APPLICATION (kg/ha) Background soil pH less than 6.5	Background soil pH greater than 6.5
Less than 5	5	5
5-15	5	10
Greater than 15	5	20

(B) For soils with a background pH of less than 6.5, the cumulative cadmium application rate does not exceed the levels below: Provided, that the pH of the waste and soil mixture is adjusted to and maintained at 6.5 or greater whenever food chain crops are grown.

TABLE

Soil cation exchange capacity (meq/100g)	Maximum cumulative application (kg/ha)
Less than 5	5
5 to 15	10
Greater than 15	20

(2)(i) The only food chain crop produced is animal feed.

(ii) The pH of the waste and soil mixture is 6.5 or greater

at the time of waste application or at the time the crop is planted, whichever occurs later, and this pH level is maintained whenever food chain crops are grown.

(iii) There is a facility operating plan which demonstrates how the animal feed will be distributed to preclude ingestion by humans. The facility operating plan describes the measure to be taken to safeguard against possible health hazards from cadmium entering the food chain, which may result from alternative land uses.

(iv) Future property owners are notified by a stipulation in the land record or property deed which states that the property has received waste at high cadmium application rates and that food chain crops shall not be grown, except in compliance with R315-7-20.7(c)(2).

As required by R315-7-12.4, which incorporates by reference 40 CFR 265.73, if an owner or operator grows food chain crops on his land treatment facility, he shall place the information developed in this section in the operating record of the facility.

20.5 Unsaturated Zone, Zone of Aeration, Monitoring

(a) The owner or operator shall have in writing, and shall implement, an unsaturated zone monitoring plan which is designed to:

(1) Detect the vertical migration of hazardous waste and hazardous waste constituents under the active portion of the land treatment facility; and

(2) Provide information on the background concentrations of the hazardous waste and hazardous waste constituents in similar but untreated soils nearby; this background monitoring shall be conducted before or in conjunction with the monitoring required under R315-7-20.5(a)(1).

(b) The unsaturated zone monitoring plan shall include, at a minimum:

(1) Soil monitoring using soil cores; and

(2) Soil-pore water monitoring using devices such as lysimeters.

(c) To comply with R315-7-20.5(a)(1), the owner or operator shall demonstrate in his unsaturated zone monitoring plan that:

(1) The depth at which soil and soil-pore water samples are to be taken is below the depth to which the waste is incorporated into the soil;

(2) The number of soil and soil-pore water samples to be taken is based on the variability of:

(i) The hazardous waste constituents, as identified in R315-7-20.3(a) and (b), in the waste and in the soil; and

(ii) The soil type(s); and

(3) The frequency and timing of soil and soil-pore water sampling is based on the frequency, time, and rate of waste application, proximity to groundwater, and soil permeability.

(d) The owner or operator shall keep at the facility his unsaturated zone monitoring plan, and the rationale used in developing this plan.

(e) The owner or operator shall analyze the soil and soil-pore water samples for the hazardous waste constituents that were found in the waste during the waste analysis under R315-7-20.3(a) and (b).

All data and information developed by the owner or operator under this section shall be placed in the operating record of the facility.

20.6 Recordkeeping

The owner or operator of a land treatment facility shall keep records of the application dates, application rates, quantities, and location of each hazardous waste placed in the facility, in the operating record required in R315-7-12.4, which incorporates by reference 40 CFR 265.73.

20.7 Closure and Post-Closure Care

(a) In the closure and post-closure plan under R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120, the owner or operator shall address the following objectives and indicate how they will be achieved:

(1) Control of the migration of hazardous waste and hazardous waste constituents from the treated area into the groundwater;

(2) Control of the release of contaminated run-off from the facility into surface water;

(3) Control of the release of airborne particulate contaminants caused by wind erosion; and

(4) Compliance with R315-7-20.4 concerning the growth of food-chain crops.

(b) The owner or operator shall consider at least the following factors in addressing the closure and post-closure care objectives of R315-7-20.7(a):

(1) Type and amount of hazardous waste and hazardous waste constituents applied to the land treatment facility;

(2) The mobility and the expected rate of migration of the hazardous waste and hazardous waste constituents;

(3) Site location, topography, and surrounding land use, with respect to the potential effects of pollutant migration, e.g., proximity to groundwater, surface water and drinking water sources;

(4) Climate, including amount, frequency, and pH of precipitation;

(5) Geological and soil profiles and surface and subsurface hydrology of the site, and soil characteristics, including cation exchange capacity, total organic carbon, and pH;

(6) Unsaturated zone monitoring information obtained under R315-7-20.5; and

(7) Type, concentration, and depth of migration of hazardous waste constituents in the soil as compared to their background concentrations.

(c) The owner or operator shall consider at least the following methods in addressing the closure and post-closure care objectives of R315-7-20.7(a):

(1) Removal of contaminated soils;

(2) Placement of a final cover, considering:

(i) Functions of the cover, e.g., infiltration control, erosion and run-off control and wind erosion control; and

(ii) Characteristics of the cover, including material, final surface contours, thickness, porosity and permeability, slope, length of run of slope, and type of vegetation on the cover; and

(3) Monitoring of groundwater.

(d) In addition to the requirements of R315-7-14 which incorporates by reference 40 CFR 265.110 - 265.120, during the closure period the owner or operator of a land treatment facility shall:

(1) Continue unsaturated zone monitoring in a manner and frequency specified in the closure plan, except that soil pore

liquid monitoring may be terminated 90 days after the last application of waste to the treatment zone;

(2) Maintain the run-on control system required under R315-7-20.2(b);

(3) Maintain the run-off management system required under R315-7-20.2(c); and

(4) Control wind dispersal of particulate matter which may be subject to wind dispersal.

(e) For the purpose of complying with R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120, when closure is completed the owner or operator may submit to the Board, certification both by the owner or operator and by an independent qualified soil scientist, in lieu of an independent registered professional engineer, that the facility has been closed in accordance with the specification in the approved closure plan.

(f) In addition to the requirement of R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120, during the post-closure care period the owner or operator of a land treatment unit shall:

(1) Continue soil-core monitoring by collecting and analyzing samples in a manner and frequency specified in the post-closure plan;

(2) Restrict access to the unit as appropriate for its post-closure use;

(3) Ensure that growth of food chain crops complies with R315-7-20.4; and

(4) Control wind dispersal of hazardous waste.

20.8 Special Requirements for Ignitable or Reactive Waste

The owner or operator shall not apply ignitable or reactive waste to the treatment zone unless the waste and treatment zone meet all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, and:

(a) The waste is immediately incorporated into the soil so that:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) and (f) and

(2) R315-7-9.8(b) is complied with; or

(b) That waste is managed in such a way that it is protected from any material or conditions which may cause it to ignite or react.

20.9 Special Requirements for Incompatible Wastes

Incompatible wastes, or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same land treatment area, unless R315-7-9.8(b) is complied with.

R315-7-21. Landfills.

21.1 APPLICABILITY

The rules in this section apply to owners and operators of facilities that dispose of hazardous waste in landfills, except as R315-7-8.1 provides otherwise. A waste pile used as a disposal facility is a landfill and is governed by this section.

21.2 DESIGN AND OPERATING REQUIREMENTS

(a) The owner or operator of each new landfill unit on which construction commences after January 29, 1992, each lateral expansion of a landfill unit on which construction commences after July 29, 1992, and each replacement of an existing landfill unit that is to commence reuse after July 29, 1992 must install two or more liners and a leachate collection and removal system above and between such liners, and operate the leachate collection and removal systems, in accordance with R315-8-14.2(d), (e), or (f). "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, under "existing facility".

(b) The owner or operator of each unit referred to in R315-7-21.2(a) shall notify the Executive Secretary at least 60 days prior to receiving waste. The owner or operator of each facility submitting notice shall file a part B application within six months of the receipt of the notice.

(c) The owner or operator of any replacement landfill unit is exempt from R315-7-21.2(a) if:

(1) The existing unit was constructed in compliance with the design standards of section 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act; and

(2) There is no reason to believe that the liner is not functioning as designed.

(d) The double liner requirement set forth in R315-7-21.2(a) may be waived by the Board for any monofill, if:

(1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and the waste does not contain constituents which would render the wastes hazardous for reasons other than the Toxicity Characteristic in R315-2-9(g), with EPA Hazardous Waste Number D004 through D017; and

(2)(i)(A) The monofill has at least one liner for which there is no evidence that the liner is leaking;

(B) The monofill is located more than one-quarter mile from an underground source of drinking water, as that term is defined in 40 CFR 144.3; and

(C) The monofill is in compliance with applicable groundwater monitoring requirements for facilities with permits; or

(ii) The owner or operator demonstrates that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituents into groundwater or surface water at any future time.

(e) In the case of any unit in which the liner and leachate collection system has been installed pursuant to the requirements of R315-7-21.2(a) and in good faith compliance with R315-7-21.2(a) and with guidance documents governing liners and leachate collection systems under R315-7-21.2(a), no liner or leachate collection system which is different from that which was so installed pursuant to R315-7-21.2(a) will be required for the unit by the Board when issuing the first permit to the facility, except that the Board will not be precluded from requiring installation of a new liner when the Board has reason to believe that any liner installed pursuant to the requirements of R315-7-21.10(a) is leaking.

(f) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 25-year storm.

(g) The owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

(h) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

(i) The owner or operator of a landfill containing hazardous waste which is subject to dispersal by wind shall cover or otherwise manage the landfill so that wind dispersal of the hazardous waste is controlled.

As required by R315-7-9.4, which incorporates by reference 40 CFR 265.13, the waste analysis plan shall include analysis needed to comply with R315-7-21.5 and R315-7-21.6. As required by R315-7-12.4, which incorporates by reference 40 CFR 265.73, the owner or operator shall place the results of these analyses in the operating record.

21.3 SURVEYING AND RECORDKEEPING

The owner or operator of a landfill shall maintain the following items in the operating record required in R315-7-12.4, which incorporates by reference 40 CFR 265.73:

(a) On a map, the exact location and dimension, including depth, of each cell with respect to permanently surveyed benchmarks; and

(b) The contents of each cell and the approximate location of each hazardous waste type within each cell.

21.4 CLOSURE AND POST-CLOSURE CARE

(a) At final closure of the landfill or upon closure of any cell, the owner or operator shall cover the landfill or cell with a final cover designed and constructed to:

(1) Provide long-term minimization of migration of liquids through the closed landfill;

(2) Function with minimum maintenance;

(3) Promote drainage and minimize erosion or abrasion of the cover;

(4) Accommodate settling and subsidence so that the cover's integrity is maintained; and

(5) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

(b) After final closure, the owner or operator shall comply with all post-closure requirements contained in R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120, including maintenance and monitoring throughout the post-closure care period. The owner or operator shall:

(1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cover as necessary to correct the effects of settling, subsidence, erosion, or other events.

(2) Maintain and monitor the leak detection system in accordance with R315-8-14.2(c)(3)(iv) and (4) and R315-7-21.12(b), and comply with all other applicable leak detection system requirements of R315-7;

(3) Maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of R315-7-13;

(4) Prevent run-on and run-off from eroding or otherwise damaging the final cover; and

(5) Protect and maintain surveyed benchmarks used in complying with R315-7-21.3.

21.5 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

(a) Except as provided in R315-7-21.5(b) and in 7.21.9, ignitable or reactive waste shall not be placed in a landfill, unless the waste and landfill meet all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, and:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) and (f).

(2) Section R315-7-9.8 is complied with.

(b) Except for prohibited wastes which remain subject to treatment standards in R315-13, which incorporates by reference 40 CFR 268 subpart D, ignitable wastes in containers may be landfilled without meeting the requirements of R315-7-21.5(a), provided that the wastes are disposed of in a way that they are protected from any material or conditions which may cause them to ignite. At a minimum, ignitable wastes shall be disposed of in non-leaking containers which are carefully handled and placed so as to avoid heat, sparks, rupture, or any other condition that might cause ignition of the wastes; shall be covered daily with soil or other non-combustible material to minimize the potential for ignition of the wastes; and shall not be disposed of in cells that contain or will contain other wastes which may generate heat sufficient to cause ignition of the waste.

21.6 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

Incompatible wastes, or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same landfill cell, unless R315-7-9.8(b) is complied with.

21.7 SPECIAL REQUIREMENTS FOR BULK AND CONTAINERIZED LIQUIDS

(a) Bulk or non-containerized liquid waste or waste containing free liquids may be placed in a landfill prior to May 8, 1985, only if;

(1) The landfill has a liner and leachate collection and removal system that meets the requirements of R315-8-14.2(a); or

(2) Before disposal, the liquid waste or waste containing free liquids is treated or stabilized chemically or physically, e.g., by mixing with a sorbent solid, so that free liquids are no longer present.

(b) Effective May 8, 1985, the placement of bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids, whether or not sorbents have been added, in any landfill is prohibited.

(c) Containers holding free liquids must not be placed in a landfill unless:

(1) All free-standing liquid

(i) has been removed by decanting, or other methods,

(ii) has been mixed with sorbent or solidified so that free-standing liquid is no longer observed; or

(iii) had been otherwise eliminated; or

(2) The container is very small, such as an ampule; or

(3) The container is designed to hold free liquids for use other than storage, such as a battery or capacitor; or

(4) The container is a lab pack as defined in R315-7-21.8 and is disposed of in accordance with R315-7-21.9.

(d) To demonstrate the absence or presence of free liquids in either a containerized or a bulk waste, the following test must be used: Method 9095, Paint Filter Liquids Test as described in

"Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods." EPA Publication No. SW-846, as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(e) The date of compliance with R315-7-21.7(a) is November 19, 1981. The date for compliance with R315-7-21.7(c) is March 22, 1982.

(f) Sorbents used to treat free liquids to be disposed of in landfills must be nonbiodegradable. Nonbiodegradable sorbents are: materials listed or described in R315-7-21.7(f)(1); materials that pass one of the tests in R315-7-21.7(f)(2); or materials that are determined by EPA to be nonbiodegradable through the R315-2-16, which incorporates by reference 40 CFR 260.22, petition process.

(1) Nonbiodegradable sorbents.

(i) Inorganic minerals, other inorganic materials, and elemental carbon, e.g., aluminosilicates, clays, smectites, Fuller's earth, bentonite, calcium bentonite, montmorillonite, calcined montmorillonite, kaolinite, micas (illite), vermiculites, zeolites; calcium carbonate (organic free limestone); oxides/hydroxides, alumina, lime, silica (sand), diatomaceous earth; perlite (volcanic glass); expanded volcanic rock; volcanic ash; cement kiln dust; fly ash; rice hull ash; activated charcoal/activated carbon; or

(ii) High molecular weight synthetic polymers, e.g., polyethylene, high density polyethylene (HDPE), polypropylene, polystyrene, polyurethane, polyacrylate, polynorborene, polysobutylene, polyisobutylene, ground synthetic rubber, cross-linked allylstyrene and tertiary butyl copolymers. This does not include polymers derived from biological material or polymers specifically designed to be degradable; or

(iii) Mixtures of these nonbiodegradable materials.

(2) Tests for nonbiodegradable sorbents.

(i) The sorbent material is determined to be nonbiodegradable under ASTM Method G21-70 (1984a)-Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi; or

(ii) The sorbent material is determined to be nonbiodegradable under ASTM Method G22-76 (1984b)-Standard Practice for Determining Resistance of Plastics to Bacteria.

(iii) The sorbent material is determined to be non-biodegradable under OECD test 301B, CO2 Evolution, Modified Sturm Test.

(g) Effective November 8, 1985, the placement of any liquid which is not a hazardous waste in a landfill is prohibited unless the owner or operator of the landfill demonstrates to the Board, or the Board determines that;

(1) The only reasonably available alternative to the placement in the landfill is placement in a landfill or unlined surface impoundment, whether or not permitted or operating under interim status, which contains, or may reasonably be anticipated to contain hazardous waste; and

(2) Placement in such owner or operator's landfill will not present a risk of contamination of any underground source of drinking water, as that term is defined in 40 CFR 144.3.

21.8 SPECIAL REQUIREMENTS FOR CONTAINERS

Unless they are very small, such as an ampule, containers must be either:

(a) At least 90 percent full when placed in the landfill; or

(b) Crushed, shredded, or similarly reduced in volume to the maximum practical extent before burial in the landfill.

21.9 DISPOSAL OF SMALL CONTAINERS OF HAZARDOUS WASTE IN OVERPACKED DRUMS, LAB PACKS

Small containers of hazardous waste in overpacked drums, lab packs may be placed in a landfill if the following requirements are met:

(a) Hazardous waste shall be packaged in non-leaking inside containers. The inside containers shall be of a design and constructed of a material that will not react dangerously with, be decomposed by, or be ignited by the waste held therein. Inside containers shall be tightly and securely sealed. The inside containers shall be of the size and type specified in the Department of Transportation (DOT) hazardous materials regulations, 49 CFR parts 173, 178, and 179, if those regulations specify particular inside container for the waste.

(b) The inside container shall be overpacked in an open head DOT specification metal shipping container, 49 CFR parts 178 and 179, of no more than 416-liter, 110 gallon, capacity and surrounded by, at a minimum, a sufficient quantity of sorbent material, determined to be nonbiodegradable in accordance with R315-7-21.7(f), to completely sorb all of the liquid contents of the inside containers. The metal outer container shall be full after it has been packed with inside containers and sorbent material.

(c) The sorbent material used shall not be capable of reacting dangerously with, being decomposed by, or being ignited by the contents of the inside containers, in accordance with R315-7-9.8(b).

(d) Incompatible wastes, as defined in R315-1 shall not be placed in the same outside container.

(e) Reactive waste, other than cyanide or sulfide-bearing waste as defined in R315-2-9(f)(v) shall be treated or rendered non-reactive prior to packaging in accordance with R315-7-21.9(a) through (d). Cyanide and sulfide-bearing reactive waste may be packaged in accordance with R315-7-21.9(a) through (d) without first being treated or rendered non-reactive.

(f) Such disposal is in compliance with the requirements of R315-13, which incorporates by reference 40 CFR 268. Persons who incinerate lab packs according to the requirements in 40 CFR 268.42(c)(1) may use fiber drums in place of metal outer containers. The fiber drums must meet the DOT specifications in 49 CFR 173.12 and be overpacked according to the requirements in R315-7-21.9(b).

21.10 ACTION LEAKAGE RATE

(a) The owner or operator of landfill units subject to R315-7-21.2(a) shall submit a proposed action leakage rate to the Executive Secretary when submitting the notice required under R315-7-21.2(b). Within 60 days of receipt of the notification, the Executive Secretary will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this section; or extend the review period for up to 30 days. If no action is taken by the Executive Secretary before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

(b) The Executive Secretary shall approve an action

leakage rate for surface impoundment units subject to R315-7-21.2(a). The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under R315-7-21.12 to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period, and monthly during the post-closure care period when monthly monitoring is required under R315-7-21.12(b).

21.11 RESPONSE ACTIONS

(a) The owner or operator of landfill units subject to R315-7-21.2(a) shall submit a response action plan to the Executive Secretary when submitting the proposed action leakage rate under R315-7-21.10. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan shall describe the actions specified in R315-7-21.11(b).

(b) If the flow rate into the leak detection system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedence within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit should be closed;

(5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-7-21.11(b)(3)-(5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator shall submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and/or remediation determinations in R315-7-21.11(b)(3)-(5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source,

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

21.12 MONITORING AND INSPECTION

(a) An owner or operator required to have a leak detection system under R315-7-21.2(a) shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

(b) After the final cover is installed, the amount of liquids removed from each leak detection system sump shall be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps shall be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps shall be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

(c) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Executive Secretary based on pump activation level, sump dimensions, and level that avoids backup into the drainage layer and minimizes head in the sump. The timing for submission and approval of the proposed "pump operating level" will be in accordance with R315-7-21.10(a).

R315-7-22. Incinerators.

22.1 INCINERATORS APPLICABILITY

(a) R315-7-22 applies to owners or operators of facilities that incinerate hazardous waste, except as R315-7-8.1 provides otherwise.

(b) Integration of the MACT standards.

(1) Except as provided by R315-7-22.1(b)(2), the standards of R315-7 no longer apply when an owner or operator demonstrates compliance with the maximum achievable control technology (MACT) requirements of R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE, by conducting a comprehensive performance test and submitting to the Executive Secretary a Notification of Compliance under R307-214-2, which incorporates by reference 40 CFR 63.1207(j) and 63.1210(d), documenting compliance with the requirements of R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE.

(2) The following requirements continue to apply even where the owner or operator has demonstrated compliance with the MACT requirements of R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE: R315-7-22.5 (closure) and the applicable requirements of R315-7-8 through R315-7-15 , R315-7-27, and R315-7-30.

(c) Owners and operators of incinerators burning hazardous waste are exempt from all of the requirements of R315-7-22, except R315-7-22.5, Closure, provided that the owner or operator has documented, in writing, that the waste would not reasonably be expected to contain any of the hazardous constituents listed in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, and the documentation is retained at the facility, if the waste to be burned is:

(1) Listed as a hazardous waste in R315-2-10 and R315-2-11, solely because it is ignitable, Hazard Code I, corrosive, Hazard Code C, or both; or

(2) Listed as a hazardous waste in R315-2-10 and R315-2-11, solely because it is reactive, Hazard Code R, for characteristics other than those listed in R315-2-9(b), and will not be burned when other hazardous wastes are present in the combustion zone; or

(3) A hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous wastes under R315-2-9, or

(4) A hazardous waste solely because it possesses the reactivity characteristics described by R315-2-9(f)(i), (ii), (iii), (vi), (vii), or (viii), and will not be burned when other hazardous wastes are present in the combustion zone.

22.2 GENERAL OPERATING REQUIREMENTS

During start-up and shut-down of an incinerator, the owner or operator shall not feed hazardous waste unless the incinerator is at steady state, normal, conditions of operation, including steady state operating temperature and air flow.

22.3 WASTE ANALYSIS

In addition to the waste analyses required by R315-7-9.4, which incorporates by reference 40 CFR 265.13, the owner or operator shall sufficiently analyze any waste which he has not previously burned in his incinerator to enable him to establish steady state, normal, operating conditions, including waste and auxiliary fuel feed and air flow, and to determine the type of pollutants which might be emitted. At a minimum, the analysis shall determine:

(a) Heating value of the waste;

(b) Halogen content and sulfur content in the waste; and

(c) Concentrations in the waste of lead and mercury, unless the owner or operator has written, documented data that show that the element is not present.

As required by R315-7-12.4, which incorporates by reference 40 CFR 265.73, the owner or operator shall place the results from each waste analysis, or the documented information, in the operating record of the facility.

22.4 MONITORING AND INSPECTIONS

The owner or operator shall conduct, at a minimum, the following monitoring and inspections when incinerating hazardous waste:

(a) Existing instruments which relate to combustion and emission control shall be monitored at least every 15 minutes. Appropriate corrections to maintain steady state combustion conditions shall be made immediately either automatically or by the operator. Instruments which relate to combustion and emission control would normally include those measuring waste feed, auxiliary fuel feed, air flow, incinerator temperature, scrubber flow, scrubber pH, and relevant level controls.

(b) The complete incinerator and associated equipment, pumps, valves, conveyors, pipes, etc., shall be inspected at least daily for leaks, spills and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

22.5 CLOSURE

At closure, the owner or operator shall remove all hazardous waste and hazardous waste residues, including but not limited to ash, scrubber waters, and scrubber sludges from the incinerator. At closure, as throughout the operating period, unless the owner or operator can demonstrate, in accordance with R315-2-1, that any solid waste removed from his incinerator is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements of these rules.

22.6 INTERIM STATUS INCINERATORS BURNING PARTICULAR HAZARDOUS WASTES

(a) Owners or operators of incinerators subject to R315-7-22 may burn EPA Hazardous Wastes F020, F021, F022, F023, F026, or F027 if they receive a certification from the Board that they can meet the performance standards of R315-8-15 when they burn these wastes.

(b) The following standards and procedures will be used in determining whether to certify an incinerator:

(1) The owner of operator will submit an application to the Board containing applicable information in R315-3 demonstrating that the incinerator can meet the performance standards in R315-8-15 when they burn these wastes.

(2) The Board will issue a tentative decision as to whether the incinerator can meet the performance standards in R315-8-15. Notification of this tentative decision will be provided by newspaper advertisement and radio broadcast in the jurisdiction where the incinerator is located. The Board will accept comment on the tentative decision for 60 days. The Board also may hold a public hearing upon request or at their discretion.

(3) After the close of the public comment period, the Board will issue a decision whether or not to certify the incinerator.

R315-7-23. Thermal Treatment.

23.1 THERMAL TREATMENT

The rules in this section apply to owners or operators of facilities that thermally treat hazardous waste in devices other than enclosed devices using controlled flame combustion, except as R315-7-8.1 provides otherwise. Thermal treatment in enclosed devices using controlled flame combustion is subject to the requirements of R315-7-22 if the unit is an incinerator, and R315-14-7, which incorporates by reference 40 CFR 266, subpart H, if the unit is a boiler or an industrial furnace as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10.

23.2 GENERAL OPERATING REQUIREMENTS

Before adding hazardous waste, the owner or operator shall bring his thermal treatment process to steady state, normal, conditions of operation--including steady state operating temperature--using auxiliary fuel or other means, unless the process is a non-continuous, batch, thermal treatment process which requires a complete thermal cycle to treat a discrete

quantity of hazardous waste.

23.3 WASTE ANALYSIS

In addition to the waste analyses required by R315-7-9.4, which incorporates by reference 40 CFR 265.13, the owner or operator shall sufficiently analyze any waste which he has not previously treated in his thermal treatment process to enable him to establish steady state, normal, or in other appropriate, for a non-continuous process, operating conditions, including waste and auxiliary fuel feed, and to determine the type of pollutants which might be emitted. At a minimum, the analysis shall determine:

(a) Heating value of the waste;

(b) Halogen content and sulfur content in the waste; and

(c) Concentrations in the waste of lead and mercury, unless the owner or operator has written, documented data that show that the element is not present. The owner or operator shall place the results from each waste analysis, or the documented information, in the operating record of the facility.

23.4 MONITORING AND INSPECTIONS

The owner or operator shall conduct, at a minimum, the following monitoring and inspections when thermally treating hazardous waste:

(a) Existing instruments which relate to temperature and emission control, if an emission control device is present, shall be monitored at least every 15 minutes. Appropriate corrections to maintain steady state or other appropriate thermal treatment conditions shall be made immediately either automatically or by the operator. Instruments which relate to temperature and emission control would normally include those measuring waste feed, auxiliary fuel feed, treatment process temperature, and relevant process flow and level controls.

(b) The stack plume, emissions, where present, shall be observed visually at least hourly for normal appearance, color and opacity. The operator shall immediately make any indicated operating corrections necessary to return any visible emissions to their normal appearance.

(c) The complete thermal treatment process and associated equipment, pumps, valves, conveyor, pipes, etc., shall be inspected at least daily for leaks, spills, and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

23.5 CLOSURE

At closure, the owner or operator shall remove all hazardous waste and hazardous waste residues, including, but not limited to, ash from thermal treatment process or equipment.

At closure, as throughout the operating period, unless the owner or operator can demonstrate, in accordance with R315-2-1, that any solid waste removed from his thermal treatment process or equipment is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements of these rules.

23.6 OPEN BURNING; WASTE EXPLOSIVES

Open burning of hazardous waste is prohibited except for the open burning and detonation of waste explosives. Waste explosives include waste which has the potential to detonate and bulk military propellants which cannot safely be disposed of through other modes of treatment. Detonation is an explosion in which chemical transformation passes through the material faster than the speed of sound, 0.33 kilometers/second at sea level. Owners or operators choosing to open burn or detonate waste explosives shall do so in accordance with the following table and in a manner that does not threaten human health or the environment:

TABLE

Pounds of Waste Explosives or Propellants	Minimum Distance from Open Burning or Detonation to the Property of Others
0 - 100	204 meters (670 feet)
101 - 1,000	380 meters (1,250 feet)
1,001 - 10,000	530 meters (1,730 feet)
10,001 - 30,000	690 meters (2,260 feet)

23.7 INTERIM STATUS THERMAL TREATMENT DEVICES BURNING PARTICULAR HAZARDOUS WASTE

(a) Owners or operators of thermal treatment devices subject to R315-23 may burn EPA Hazardous Wastes F020, F021, F022, F023, F026, or F027 if they receive a certification from the Board that they can meet the performance standards of R315-8-15 when they burn these wastes.

(b) The following standards and procedures will be used in determining whether to certify a thermal treatment unit:

(1) The owner or operator will submit an application to the Board containing the applicable information in R315-3 demonstrating that the thermal treatment unit can meet the performance standard in R315-8-15 when they burn these wastes.

(2) The Board will issue a tentative decision as to whether the thermal treatment unit can meet the performance standards in R315-8-15. Notification of this tentative decision will be provided by newspaper advertisement and radio broadcast in the jurisdiction where the thermal treatment device is located. The Board will accept comment on the tentative decision for 60 days. The Board also may hold a public hearing upon request or at their discretion.

(3) After the close of the public comment period, the Board will issue a decision whether or not to certify the thermal treatment unit.

R315-7-24. Chemical, Physical, and Biological Treatment.

24.1 Applicability

The rules in this section apply to owners and operators of facilities which treat hazardous wastes by chemical, physical, or biological methods in other than tanks, surface impoundments, and land treatment facilities, except as R315-7-8.1 provides otherwise. Chemical, physical, and biological treatment of hazardous waste in tanks, surface impoundments, and land treatment facilities shall be conducted in accordance with R315-7-17, which incorporates by reference 40 CFR 265.190 - 265.201, R315-7-18, and R315-7-20, respectively.

24.2 General Operating Requirements

(a) Chemical, physical, or biological treatment of hazardous waste shall comply with R315-7-9.8(b).

(b) Hazardous wastes or treatment reagents shall not be placed in the treatment process or equipment if they could cause the treatment process to rupture, leak, corrode, or otherwise fail before the end of its intended life.

(c) Where hazardous waste is continuously fed into a

treatment process or equipment, the process or equipment shall be equipped with a means to stop this inflow, e.g., a waste feed cut-off system or bypass system to a standby containment device. These systems are intended to be used in the event of a malfunction in the treatment process or equipment.

24.3 Waste Analysis and Trial Tests

(a) In addition to the waste analysis required by R315-7-9.4, which incorporates by reference 40 CFR 265.13, whenever:

(1) A hazardous waste which is substantially different from waste previously treated in a treatment process or equipment at the facility is to be treated in that process or equipment, or

(2) A substantially different process than any previously used at the facility is to be used to chemically treat hazardous waste;

The owner or operator shall, before treating the different waste or using the different process or equipment:

(i) Conduct waste analyses and trial treatment tests, e.g., bench scale or pilot plant scale tests; or

(ii) Obtain written, documented information on similar treatment of similar waste under similar operating conditions; to show that this proposed treatment will meet all applicable requirements of R315-7-24.2(a) and (b).

The owner or operator shall place the results from each waste analysis and trial test, or the documented information, in the operating record of the facility.

24.4 Inspections

The owner or operator of a treatment facility shall inspect, where present:

(a) Discharge control and safety equipment, e.g., waste feed cut-off systems, bypass systems, drainage systems, and pressure relief systems, at least once each operating day, to ensure that it is in good working order;

(b) Data gathered from monitoring equipment, e.g., pressure and temperature gauges, at least once each operating day, to ensure that the treatment process or equipment is being operated according to its design.

(c) The construction materials of the treatment process or equipment, at least weekly, to detect corrosion or leaking of fixtures or seams, and

(d) The construction materials of, and the area immediately surrounding, discharge confinement structures, e.g., dikes, at least weekly, to detect erosion or obvious signs of leakage, e.g., wet spots or dead vegetation.

24.5 Closure

At closure, all hazardous waste and hazardous waste residues shall be removed from treatment processes or equipment, discharge control equipment, and discharge confinement structures. At closure, as throughout the operating period, unless the owner or operator can demonstrate, in accordance with R315-2-1, that any solid waste removed from his treatment process or equipment is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements of these rules.

24.6 Special Requirements for Ignitable or Reactive Waste

(a) Ignitable or reactive waste shall not be placed in a treatment process or equipment unless:

(1) The waste is treated, rendered, or mixed before or immediately after placement in the treatment process or equipment so that;

(i) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) and (f), and

(ii) R315-7-9.8(b) is complied with; or

(2) The waste is treated in such a way that it is protected from any material or conditions which may cause the waste to ignite or react.

24.7 Special Requirements for Incompatible Wastes

(a) Incompatible wastes, or incompatible wastes and materials, see 40 CFR 265, Appendix V for examples, shall not be placed in the same treatment process or equipment, unless R315-7-9.8(b) is complied with.

(b) Hazardous waste shall not be placed in unwashed treatment equipment which previously held an incompatible waste or material, unless R315-7-9.8(b) is complied with.

R315-7-25. Underground Injection.

25.1 Applicability

Except as R315-7-8.1 provides otherwise:

(a) The owner or operator of a facility which disposes of hazardous waste by underground injection is excluded from the requirements of R315-7-14, which incorporates by reference 40 CFR 265.110 - 265.120 and R315-7-15, which incorporates by reference 40 CFR 265.140 - 265.150.

(b) The requirements of this section apply to owners and operators of wells used to dispose of hazardous waste which are classified as Class I under 40 CFR 144.6(a) and which are classified as Class IV under 40 CFR 144.6(d).

R315-7-26. Air Emission Standards for Process Vents.

The requirements of 40 CFR subpart AA sections 265.1030 through 265.1035, 1997 ed., as amended by 62 FR 64636, December 8, 1997, are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator."

R315-7-27. Air Emission Standards for Equipment Leaks.

The requirements of 40 CFR subpart BB sections 265.1050 through 265.1064, 1997 ed., as amended by 62 FR 64636, December 8, 1997, are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator."

R315-7-28. Drip Pads.

The requirements of 40 CFR subpart W sections 265.440 through 265.445, 1996 ed., are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator".

(2) Add, following December 6, 1990, in 40 CFR 264.570(a), "for all HSWA drip pads or January 31, 1992 for all non-HSWA drip pads."

(3) Add, following December 24, 1992, in 40 CFR 570(a), "for all HSWA drip pads or July 30, 1993 for all non-HSWA drip pads."

R315-7-29. Containment Buildings.

The requirements of subpart DD sections 265.1100 through 265.1102, as found in 57 FR 37194, August 18, 1992, are adopted and incorporated by reference with the following exception:

(1) substitute "Executive Secretary" for all federal regulation references made to "Regional Administrator."

R315-7-30. Air Emission Standards for Tanks, Surface Impoundments, and Containers.

The requirements as found in 40 CFR subpart CC, sections 265.1080 through 265.1091, 1998 ed., as amended by as amended by 64 FR 3382, January 21, 1999, are adopted and incorporated by reference with the following exception:

(1) substitute "Executive Secretary" for all federal regulation references made to "Regional Administrator."

KEY: hazardous waste

June 15, 2001	**19-6-105**
Notice of Continuation October 18, 2001	**19-6-106**

R315. Environmental Quality, Solid and Hazardous Waste.
R315-8. Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities.
R315-8-1. Purpose, Scope and Applicability.

(a) The purpose of R315-8 is to establish minimum State of Utah standards which define the acceptable management of hazardous waste.

(b) The standards in R315-8 apply to owners and operators of all facilities which treat, store, or dispose of hazardous waste, except as specifically provided otherwise in R315-8 or R315-2.

(c) The requirements of R315-8 apply to a person disposing of hazardous waste by means of underground injection subject to a permit issued under the Underground Injection Control (UIC) program approved or promulgated under the Safe Drinking Water Act only to the extent they are required by R315-3. R315-8 applies to the above-ground treatment or storage of hazardous waste before it is injected underground.

(d) The requirements of R315-8 apply to the owner or operator of a POTW which treats, stores, or disposes of hazardous waste only to the extent they are included in a RCRA permit by rule granted to such a person under R315-3.

(e) The requirements of R315-8 do not apply to:

(1) The owner or operator of a state approved facility managing municipal or industrial solid waste, if the only hazardous waste the facility treats, stores, or disposes of is excluded from regulation under R315-2-5, conditionally exempt small quantity generator exemption;

(2) A generator accumulating waste on-site in compliance with R315-5-3.34, which incorporates by reference 40 CFR 262.34;

(3) A farmer disposing of waste pesticides from his own use in compliance with R315-5-7;

(4) The owner or operator of a totally enclosed treatment facility. A totally enclosed treatment facility is a facility for the treatment of hazardous waste which is directly connected to an industrial production process and which is constructed and operated in a manner which prevents the release of any hazardous waste or any constituent thereof into the environment during treatment;

(5) A transporter storing manifested shipments of hazardous waste in containers meeting the requirements of R315-5-3.30 at a transfer facility for a period of ten days or less;

(6)(i) Except as provided in R315-8-1(e)(6)(ii), a person engaged in treatment or containment activities during immediate response to any of the following situations:

(A) A discharge of a hazardous waste;

(B) An imminent and substantial threat of a discharge of hazardous waste; and

(C) A discharge of a material which, when discharged, becomes a hazardous waste.

(ii) An owner or operator of a facility otherwise regulated by R315-8 shall comply with all applicable requirements of R315-8-3 and R315-8-4.

(iii) Any person who is covered by R315-8-1(e)(6)(i), and who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of R315-8 and R315-3 for those activities.

(7) The owner or operator of an elementary neutralization unit or a wastewater treatment unit as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, provided that if the owner or operator is diluting hazardous ignitable (D001) wastes, other than the D001 High TOC Subcategory defined in R315-13, which incorporates by reference 40 CFR 268.40, or reactive (D003) waste, to remove the characteristic before land disposal, the owner/operator shall comply with the requirements set out in R315-8-2.8(b);

(8) The addition of absorbent material to waste in a container, as defined in R315-1, or the addition of waste to absorbent material in a container, provided that these actions occur at the time waste is first placed in the container; and R315-8-2.8(b), R315-8-9.2, and R315-8-9.3 are complied with;

(9) The owner or operator of a facility managing recyclable materials described in R315-2-6, which incorporates by reference 40 CFR 261.6, except to the extent that they are referred to in R315-15 or R315-14-2, which incorporates by reference 40 CFR 266 subpart C, R315-14-5, which incorporates by reference 40 CFR 266 subpart F, and R315-14-6, which incorporates by reference 40 CFR 266 subpart G; and

(10) Universal waste handlers and universal waste transporters (as defined in R315-16-1.7), handling the wastes listed below. These handlers are subject to regulation under R315-16, when handling the below listed universal wastes:

(i) Batteries as described in R315-16-1.2;

(ii) Pesticides as described in R315-16-1.3;

(iii) Mercury thermostats as described in R315-16-1.4; and

(iv) Mercury lamps as described in R315-16-1.6.

(f) The requirements of this rule apply to owners or operators of all facilities which treat, store, or dispose of hazardous waste referred to in R315-13, which incorporates by reference 40 CFR 268.

(g) The requirements of R315-8-2 through 8-4 and R315-8-6.12 do not apply to remediation waste management sites. (However, some remediation waste management sites may be a part of a facility that is subject to a traditional hazardous waste permit because the facility is also treating, storing or disposing of hazardous wastes that are not remediation wastes. In these cases, R315-8-2 through 8-4 and R315-8-6.12 do apply to the facility subject to the traditional hazardous waste permit). Instead of the requirements of R315-8-2 through 8-4, owners or operators of remediation waste management sites must:

(1) Obtain an EPA identification number by applying to the Division of Solid and Hazardous Waste using EPA Form 8700-12;

(2) Obtain a detailed chemical and physical analysis of a representative sample of the hazardous remediation waste to be managed at the site. At a minimum, the analysis must contain all of the information which must be known to treat, store, or dispose of the waste according to R315-13, which incorporates by reference 40 CFR 268, and R315-8, and must be kept accurate and up to date;

(3) Prevent people who are unaware of the danger from entering, and minimize the possibility for unauthorized people or livestock to enter onto the active portion of the remediation waste management site, unless the owner or operator can demonstrate to the Executive Secretary that:

(i) Physical contact with the waste, structures, or

equipment within the active portion of the remediation waste management site will not injure people or livestock who may enter the active portion of the remediation waste management site; and

(ii) Disturbance of the waste or equipment by people or livestock who enter onto the active portion of the remediation waste management site, will not cause a violation of the requirements of R315-8;

(4) Inspect the remediation waste management site for malfunctions, deterioration, operator errors, and discharges that may be causing, or may lead to, a release of hazardous waste constituents to the environment, or a threat to human health. The owner or operator must conduct these inspections often enough to identify problems in time to correct them before they harm human health or the environment, and must remedy the problem before it leads to a human health or environmental hazard. Where a hazard is imminent or has already occurred, the owner/operator must take remedial action immediately;

(5) Provide personnel with classroom or on-the-job training on how to perform their duties in a way that ensures the remediation waste management site complies with the requirements of R315-8, and on how to respond effectively to emergencies;

(6) Take precautions to prevent accidental ignition or reaction of ignitable or reactive waste, and prevent threats to human health and the environment from ignitable, reactive and incompatible waste;

(7) For remediation waste management sites subject to regulation under R315-8-9 through 8-15, and R315-8-16, which incorporates by reference 40 CFR 264.600 - 603, the owner/operator must design, construct, operate, and maintain a unit within a 100-year floodplain to prevent washout of any hazardous waste by a 100-year flood, unless the owner/operator can meet the demonstration of R315-8-2.9(b);

(8) Not place any non-containerized or bulk liquid hazardous waste in any salt dome formation, salt bed formation, underground mine or cave;

(9) Develop and maintain a construction quality assurance program for all surface impoundments, waste piles and landfill units that are required to comply with R315-8-11.2(c) and (d), R315-8-12.2(c) and (d), and R315-8-14.2(c) and (d) at the remediation waste management site, according to the requirements of R315-8-2.10;

(10) Develop and maintain procedures to prevent accidents and a contingency and emergency plan to control accidents that occur. These procedures must address proper design, construction, maintenance, and operation of remediation waste management units at the site. The goal of the plan must be to minimize the possibility of, and the hazards from a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water that could threaten human health or the environment. The plan must explain specifically how to treat, store, and dispose of the hazardous remediation waste in question, and must be implemented immediately whenever a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment;

(11) Designate at least one employee, either on the facility premises or on call (that is, available to respond to an emergency by reaching the facility quickly), to coordinate all emergency response measures. This emergency coordinator must be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, the location and characteristics of waste handled, the location of all records within the facility, and the facility layout. In addition, this person must have the authority to commit the resources needed to carry out the contingency plan;

(12) Develop, maintain and implement a plan to meet the requirements in R315-8-1.1(g)(2) through (g)(6) and R315-8-1.1(g)(9) through (g)(10); and

(13) Maintain records documenting compliance with R315-8-1.1(g)(1) through (g)(12).

1.2 RELATIONSHIP TO INTERIM STATUS STANDARDS

A facility owner or operator who has fully complied with the requirements for interim status--as defined in section 3005(e) of the Federal RCRA Act and regulations under R315-3-7.1 shall comply with the regulations specified in R315-7 in lieu of R315-8, until final administrative disposition of his permit application is made, except as provided under R315-8-21, which incorporates by reference 40 CFR 264.552 and 264.553.

R315-8-2. General Facility Standards.

2.1 APPLICABILITY

(a) The rules in this section apply to the owners or operators of all hazardous waste management facilities, except as provided otherwise in R315-8-1(e).

(b) R315-8-2.9(b) applies only to facilities subject to regulation under R315-8-9 through R315-8-15 and R315-8-16, which incorporates by reference 40 CFR 264.600 - 264.603.

2.2 IDENTIFICATION NUMBER

Every facility owner or operator shall obtain an EPA identification number by applying to the Executive Secretary using EPA form 8700-12. Information on obtaining this number can be acquired by contacting the Utah Division of Solid and Hazardous Waste.

2.3 REQUIRED NOTICES

(a)(1) An owner or operator of a facility that has arranged to receive hazardous waste from a foreign source shall notify the Board in writing at least four weeks in advance of the expected date of arrival of these shipments at the facility. A notice of subsequent shipments of the same waste from the same foreign source is not required.

(2) The owner or operator of a recovery facility that has arranged to receive hazardous waste subject to R315-5-8, which incorporates by reference 40 CFR 262, subpart H, shall provide a copy of the tracking document bearing all required signatures to the notifier, to the Division of Solid and Hazardous Waste, P.O. Box 144880, Salt Lake City, Utah, 84114-4880; Office of Enforcement and Compliance Assurance, Office of Compliance, Enforcement Planning, Targeting and Data Division (2222A), Environmental Protection Agency, 401 M St., SW., Washington, DC 20460; and to the competent authorities of all other concerned countries within three working days of receipt of the shipment. The original of the signed tracking document shall be maintained at the facility for at least three years.

(b) An owner or operator of a facility that receives hazardous waste from off-site, except when the owner or operator is also the generator, shall inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping. A copy of this written notice shall be retained by the owner or operator as part of the operating record of waste received.

(c) Before transferring ownership or operation of a facility during its operating life, or of a disposal facility during the post-closure care period, the owner or operator shall notify the new owner or operator in writing of the requirements of R315-8 and R315-3. An owner's or operator's failure to notify the new owner or operator of the requirements of R315-8 in no way relieves the new owner or operator of his obligation to comply with all applicable requirements.

2.4 GENERAL WASTE ANALYSIS

The requirements as found in 40 CFR 264.13, 1996 ed., are adopted and incorporated by reference.

2.5 SECURITY

(a) A facility owner or operator shall prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portion of his facility, unless he can demonstrate to the Board that:

(1) Physical contact with the waste structures, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock which may enter the active portion of a facility; and

(2) Disturbance of the waste or equipment, by the unknowing or unauthorized entry of persons or livestock onto the active portion of a facility, will not cause a violation of the requirements of R315-8-2.5.

An owner or operator who wishes to make the demonstration referred to above shall do so with the part B permit application.

(b) Unless the owner or operator has made a successful demonstration under R315-8-2.5(a)(1) and (a)(2), a facility shall have:

(1) A 24-hour surveillance system, e.g., television monitoring or surveillance by guards or facility personnel, which continuously monitors and controls entry onto the active portion of the facility; or

(2)(i) An artificial or natural barrier, e.g., a fence in good repair or a fence combined with a cliff, which completely surrounds the active portion of the facility; and

(ii) A means to control entry at all times, through gates or other entrances to the active portion of the facility, e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility. The requirements of R315-8-2.5(b) are satisfied if the facility or plant within which the active portion is located itself has a surveillance system, or a barrier and a means to control entry, which complies with the requirements of R315-8-2.5(b)(1) or (2).

(c) Unless the owner or operator has made a successful demonstration under R315-8-2.5(a)(1) and (a)(2), a sign with the legend, "Danger - Unauthorized Personnel Keep Out", shall be posted at each entrance to the active portion of a facility, and at other locations, in sufficient numbers to be seen from any approach to the active portion. The legend shall be written in English and in any other language predominant in the area surrounding the facility and shall be legible from a distance of at least 25 feet. Existing signs with a legend other than "Danger - Unauthorized Personnel Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion is potentially dangerous. Owners or operators are encouraged to also describe in the sign the type of hazard, e.g., hazardous waste, flammable wastes, etc. contained within the active portion of the facility. See R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, for discussion of security requirements during the post-closure care period.

2.6 GENERAL INSPECTION REQUIREMENTS

(a) Facility owners or operators shall inspect their facilities for malfunctions and deterioration, operator errors, and discharges, which may be causing or may lead to release of hazardous waste constituents to the environment or pose a threat to human health. These inspections shall be conducted frequently enough to identify problems in time to take corrective action before they harm human health or the environment.

(b)(1) Facility owners or operators shall develop and follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment, such as dikes and sump pumps, that are important to preventing, detecting, or responding to environmental or human health hazards.

(2) The schedule shall be kept at the facility.

(3) The schedule shall identify the types of problems, e.g., malfunctions or deterioration, which are to be looked for during the inspection, for example, inoperative sump pump, leaking fitting, eroding dike, etc.

(4) The frequency of the inspection may vary for the items on the schedule. However, it should be based on the rate of deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas, shall be inspected daily when they are in use. At a minimum, the inspection schedule shall include the items and frequencies called for in R315-8-9.5, R315-8-10, which incorporates by reference 40 CFR 264.190 - 264.199, R315-8-11.3, R315-8-12.3, R315-8-13.6, R315-8-14.3, R315-8-15.7, R315-8-16, which incorporates by reference 40 CFR 264.600 - 264.603, R315-8-17, which incorporates by reference 40 CFR 264.1030 - 264.1036, R315-8-18, which incorporates by reference 40 CFR 264.1050 - 264.1065, and R315-8-22, which incorporates by reference 40 CFR 264.1083 through 264.1089.

(c) The owner or operator shall make any repairs, or take other remedial action, on a time schedule which ensures that any deterioration or malfunction discovered does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action shall be taken immediately.

(d) The owner or operator shall keep records of inspections in an inspection log or summary. These records shall be retained for at least three years. At a minimum, these records shall include the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs made or remedial actions

taken.

2.7 PERSONNEL TRAINING

(a)(1) Facility personnel shall successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this section and that includes all the elements described in the document required under R315-8-2.7(d)(3).

(2) This program shall be directed by a person trained in hazardous waste management procedures, and shall include instruction which teaches facility personnel hazardous waste management procedures, including contingency plan implementation relevant to the position in which they are employed.

(3) At a minimum, the training program shall be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including, but not necessarily limited to, the following, where applicable:

(i) Procedures for inspection, use, repair, and replacement of facility emergency and monitoring equipment;

(ii) Communications or alarm systems;

(iii) Key parameters for automatic waste feed cut-off systems;

(iv) Response to fires or explosions;

(v) Response to groundwater contamination incidents; and

(vi) Shutdown of operations.

(b) Facility personnel shall successfully complete the program required in R315-8-2.7(a) within six months after the effective date of these rules or six months after the date of employment or assignment to a facility, or to a new position at a facility, whichever is later. Employees hired after the effective date of these rules shall not work in unsupervised positions until they have completed the training requirements of R315-8-2.7(a).

(c) Facility personnel shall take part in an annual review of their initial training in both contingency procedures and the hazardous waste management procedures relevant to the positions in which they are employed.

(d) Owners or operators of facilities shall maintain the following documents and records and make them available upon request:

(1) The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;

(2) A written job description for each position listed under R315-8-2.7(d)(1). This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but shall include the requisite skill, education, or other qualifications and duties of employees assigned to each position;

(3) A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under R315-8-2.7(d)(1);

(4) Records that document that the training or job experience required under R315-8-2.7(a), (b), and (c) has been given to, and completed by, facility personnel.

(e) Training records on current employees shall be maintained until closure of the facility; training records on former employees shall be retained for at least three years from the date the employee last worked at the facility. Employee training records may accompany personnel transferred within the same company.

2.8 GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTES

(a) The owner or operator shall take precautions to prevent accidental ignition or reaction of ignitable or reactive wastes. These waste shall be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks, static, electrical, or mechanical, spontaneous ignition, e.g., from heat-producing chemical reactions, and radiant heat. While ignitable or reactive waste is being handled, the owner or operator shall confine smoking and open flame to specially designated locations. "No Smoking" signs shall be conspicuously placed wherever there is a hazard from ignitable or reactive waste.

(b) Where specifically required by other sections of R315-8, the owner or operator of a facility that treats, stores or disposes ignitable or reactive waste, or mixes incompatible waste or incompatible wastes and other materials, shall take precautions to prevent reactions which:

(1) Generate extreme heat or pressure, fire or explosion, or violent reactions;

(2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment;

(3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;

(4) Damage the structural integrity of the device or facility;

(5) Through other like means threaten human health or the environment.

(c) When required to comply with R315-8-2.8, the owner or operator shall document that compliance. This documentation may be based on references to published scientific or engineering literature, date from trial tests, e.g., bench scale or pilot scale tests, waste analyses as specified in R315-8-2.4, which incorporates by reference 40 CFR 264.13, or the results of the treatment of similar wastes by similar treatment processes and under similar operating conditions.

2.9 LOCATION STANDARDS

(a) Seismic considerations.

(1) Portions of new facilities where treatment, storage, or disposal of hazardous waste will be conducted shall not be located within 61 meters (200 feet) of a fault which has had displacement in Holocene time. For definition of terms used in this section see R315-1. Procedures for demonstrating compliance with this standard in part B of the permit application are specified in R315-3 specifically in R315-3-2.5. Facilities which are located in political jurisdictions other than those listed in R315-50-11 are assumed to be in compliance with this requirement.

(b) Floodplains.

(1) A facility located in a 100-year floodplain shall be designed, constructed, operated and maintained to prevent washout of any hazardous waste by a 100-year flood, unless the owner or operator can demonstrate to the Executive Secretary's

satisfaction that:

(i) Procedures are in effect which will cause the waste to be removed safely, before flood waters can reach the facility, to a location where the wastes will not be vulnerable to flood waters; or

(ii) For existing surface impoundments, waste piles, land treatment units, landfills, and miscellaneous units, no adverse effects on human health or the environment will result if washout occurs, considering:

(A) The volume and physical and chemical characteristics of the waste in the facility;

(B) The concentration of hazardous constituents that would potentially affect surface waters as a result of washout;

(C) The impact of such concentrations on the current or potential uses of and water quality standards established for the affected surface waters; and

(D) The impact of hazardous constituents on the sediments of affected surface waters or the soils of the 100-year floodplain that could result from washout. The location where wastes are moved shall be a facility which is either permitted by EPA or has a permit in accordance with R315-3.

(2) As used in R315-8-2.9(b)(1):

(i) "100-year floodplain" means any land area which is subject to a one percent or greater chance of flooding in any given year from any source;

(ii) "Washout" means the movement of hazardous waste from the active portion of the facility as a result of flooding;

(iii) "100-year flood" means a flood that has a one percent chance of being equalled or exceeded in any given year.

(c) Salt dome formations, salt bed formations, underground mines and caves.

The placement of any non-containerized or bulk liquid hazardous wastes in any salt dome formation, salt bed formation, underground mine or cave is prohibited, except for the Department of Energy Waste Isolation Pilot Project in New Mexico.

2.10 CONSTRUCTION QUALITY ASSURANCE PROGRAM

(a) CQA program. (1) A construction quality assurance (CQA) program is required for all surface impoundment, waste pile, and landfill units that are required to comply with R315-8-11.2(c) and (d), R315-8-12.2(c) and (d), and R315-8-14.2(c) and (d). The program shall ensure that the constructed unit meets or exceeds all design criteria and specifications in the permit. The program shall be developed and implemented under the direction of a CQA officer who is a registered professional engineer.

(2) The CQA program shall address the following physical components, where applicable:

(i) Foundations;

(ii) Dikes;

(iii) Low-permeability soil liners;

(iv) Geomembranes, flexible membrane liners;

(v) Leachate collection and removal systems and leak detection systems; and

(vi) Final cover systems.

(b) Written CQA plan. The owner or operator of units subject to the CQA program under R315-8-2.10(a) shall develop and implement a written CQA plan. The plan must identify steps that will be used to monitor and document the quality of materials and the condition and manner of their installation. The CQA plan shall include:

(1) Identification of applicable units, and a description of how they will be constructed.

(2) Identification of key personnel in the development and implementation of the CQA plan, and CQA officer qualifications.

(3) A description of inspection and sampling activities for all unit components identified in R315-8-2.10(a)(2), including observations and tests that will be used before, during, and after construction to ensure that the construction materials and the installed unit components meet the design specifications. The description shall cover: Sampling size and locations; frequency of testing; data evaluation procedures; acceptance and rejection criteria for construction materials; plans for implementing corrective measures; and data or other information to be recorded and retained in the operating record under R315-8-5.3.

(c) Contents of program. (1) The CQA program shall include observations, inspections, tests, and measurements sufficient to ensure:

(i) Structural stability and integrity of all components of the unit identified in R315-8-2.10(a)(2);

(ii) Proper construction of all components of the liners, leachate collection and removal system, leak detection system, and final cover system, according to permit specifications and good engineering practices, and proper installation of all components, e.g., pipes, according to design specifications;

(iii) Conformity of all materials used with design and other material specifications under R315-8-11.2, R315-8-12.2, and R315-8-14.2.

(2) The CQA program shall include test fills for compacted soil liners, using the same compaction methods as in the full scale unit, to ensure that the liners are constructed to meet the hydraulic conductivity requirements of R315-8-11.2(c)(1)(i)(B), R315-8-12.2(c)(1)(i)(B), and R315-8-14.2(c)(1)(i)(B) in the field. Compliance with the hydraulic conductivity requirements shall be verified by using in-situ testing on the constructed test fill. The Executive Secretary may accept an alternative demonstration, in lieu of a test fill, where data are sufficient to show that a constructed soil liner will meet the hydraulic conductivity requirements of R315-8-11.2(c)(1)(i)(B), R315-8-12.2(c)(1)(i)(B), and R315-8-14.2(c)(1)(i)(B) in the field.

(d) Certification. Waste shall not be received in a unit subject to R315-8-2.10 until the owner or operator has submitted to the Executive Secretary by certified mail or hand delivery a certification signed by the CQA officer that the approved CQA plan has been successfully carried out and that the unit meets the requirements of R315-8-11.2(c) or (d), R315-8-12.2(c) or (d), or R315-8-14.2(c) or (d); and the procedure in R315-3-3.1(l)(2)(ii) has been completed. Documentation supporting the CQA officer's certification shall be furnished to the Executive Secretary upon request.

R315-8-3. Preparedness and Prevention.

3.1 APPLICABILITY

The regulations in this section apply to the owners or operators of all hazardous waste management facilities, except

as provided otherwise in R315-8-1.

3.2 DESIGN AND OPERATION OF FACILITY

Facilities shall be designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden discharge of hazardous waste or hazardous waste constituents to air, soil, groundwater, or surface water which could threaten the environment or human health.

3.3 REQUIRED EQUIPMENT

All facilities shall be equipped with the following, unless it can be demonstrated to the Board that there are no hazards at the facility which could require a particular kind of equipment specified below:

(a) An internal communications or alarm system capable of providing immediate emergency instruction, voice or signal, to facility employees;

(b) A device capable of summoning external emergency assistance from local law enforcement agencies, fire departments, or State or local emergency response teams, such as a telephone, immediately available at the scene of operations, or a hand-held two-way radio;

(c) Portable fire extinguishers, fire control equipment, including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals, discharge control equipment, and decontamination equipment; and

(d) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems. This demonstration shall be made with the part B permit application.

3.4 TESTING AND MAINTENANCE OF EQUIPMENT

All facility communications or alarm systems, fire protection equipment, safety equipment, discharge control equipment, and decontamination equipment, where required, shall be tested and maintained as necessary to assure its proper operation in time of emergency.

3.5 ACCESS TO COMMUNICATIONS OR ALARM SYSTEM

(a) Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, all employees involved in the operation shall have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee, unless the Board has ruled that this type of a device is not required under R315-8-3.3.

(b) If there is just one employee on the premises while the facility is operating, he shall have immediate access to a device capable of summoning external emergency assistance, such as a telephone, immediately available at the scene of operation, or a hand-held two-way radio, unless the Board has ruled that this type of a device is not required under R315-8-3.3.

3.6 REQUIRED AISLE SPACE

The facility owner or operator shall maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, discharge control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Board that aisle space is not needed for any of these purposes. This demonstration shall be made with the part B permit application.

3.7 ARRANGEMENTS WITH LOCAL AUTHORITIES

(a) The owner or operator shall attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services of these organizations:

(1) Arrangements to familiarize law enforcement agencies, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes;

(2) Where more than one law enforcement agency and fire department might respond to an emergency, agreements designating primary emergency authority to a specific law enforcement agency and a specific fire department, and agreements with any others to provide support to the primary emergency authority;

(3) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and

(4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

(b) Where State or local authorities decline to enter into these arrangements, the owner or operator shall document the refusal in the operating record.

R315-8-4. Contingency Plan and Emergency Procedures.

4.1 APPLICABILITY

The regulations in this section apply to the owners and operators of all hazardous waste management facilities, except as provided otherwise in R315-8-1(e).

4.2 PURPOSE AND IMPLEMENTATION OF CONTINGENCY PLAN

(a) Each owner or operator shall have a contingency plan for his facility. The contingency plan shall be designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden discharge of hazardous waste or hazardous waste constituents to air, soil, groundwater, or surface water.

(b) The provisions of the plan shall be carried out immediately whenever there is a fire, explosion, or discharge of hazardous waste or hazardous waste constituents which could threaten the environment or human health.

4.3 CONTENT OF CONTINGENCY PLAN

(a) The plan shall describe the actions facility personnel shall take to comply with R315-8-4.2 and R315-8-4.7 in response to fires, explosions or any unplanned sudden or non-sudden discharge of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility. If a facility owner or operator already has prepared a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 CFR 112, or some other emergency or contingency plan, he need only amend that plan to incorporate hazardous waste management provisions sufficient to comply with the requirements of this section.

(b) The plan shall describe arrangements agreed to by local law enforcement agencies, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to R315-8-3.7.

(c) The plan shall list names, addresses and phone numbers, office and home, of all persons qualified to act as facility emergency coordinator, see R315-8-4.6, and this list shall be kept up-to-date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they assume responsibility as alternates. For new facilities, this information shall be supplied to the Board before operations begin rather than at the time of submission of the plan.

(d) The plan shall include a list of all emergency equipment at the facility, such as fire extinguishing systems, discharge control equipment, communications and alarm systems, internal and external, and decontamination equipment, where this equipment is required. This list shall be kept up-to-date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities.

(e) The plan shall include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan shall describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes, in cases where the primary routes could be blocked by discharges of hazardous waste or fires.

4.4 COPIES OF A CONTINGENCY PLAN

A copy of the contingency plan and all revisions to the plan shall be:

(a) Maintained at the facility;

(b) Made available upon request; and

(c) Submitted to all local law enforcement agencies, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

The contingency plan shall be submitted to the Board with part B of the permit application under R315-3 and after modification or approval will become a condition of any permit issued.

4.5 AMENDMENT OF CONTINGENCY PLAN

The contingency plan shall be reviewed, and immediately amended, if necessary, under any of the following circumstances:

(a) Revisions to the facility permit;

(b) Failure of the plan in an emergency;

(c) Changes in the facility design, construction, operation, maintenance, or other circumstances that materially increase the potential for fires, explosions, or discharges of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency;

(d) Changes in the list of emergency coordinators; or

(e) Changes in the list of emergency equipment.

4.6 EMERGENCY COORDINATOR

At all times there shall be at least one employee either present on the facility premises or on call, i.e., available to respond to an emergency by reaching the facility within a short time period, with the responsibility for coordinating all emergency response measures. This facility emergency coordinator shall be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, the location and characteristics of waste handled, the location of manifests and all other records within the facility, and the facility layout. In addition, this person shall have the authority to commit the resources needed to carry out the contingency plan. The emergency coordinator's responsibilities are more fully spelled out in R315-8-4.7. Applicable responsibilities for the emergency coordinator vary, depending on factors such as type and variety of waste(s) handled by the facility, and type and complexity of the facility.

4.7 EMERGENCY PROCEDURES

(a) Whenever there is an imminent or actual emergency situation, the facility's emergency coordinator, or his designee when the emergency coordinator is on call, shall immediately:

(1) Activate internal facility alarms or communication systems, where applicable, to notify all facility personnel; and

(2) Notify appropriate State or local agencies with designated response roles whenever their assistance is needed.

(b) In the event of a discharge, fire, or explosion, the facility's emergency coordinator shall immediately identify the character, exact source, amount, and areal extent of any discharged materials. He may do this by observation or review of facility records or manifests, and, if necessary, by chemical analysis.

(c) Concurrently, the facility's emergency coordinator shall assess possible hazards to the environment or human health that may result from the discharge, fire, or explosion. This assessment shall consider both direct and indirect effects of the discharge, fire, or explosion, e.g., the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-off or hazardous groundwater infiltration from water or chemical agents used to control fire and heat-induced explosions.

(d) The facility's emergency coordinator shall immediately report his assessment that the facility has had a discharge, fire, or explosion which could threaten human health, or the environment, outside the facility, as follows:

(1) If his assessment indicates that evacuation of local areas may be advisable, he shall immediately notify appropriate local authorities. He shall be available to assist appropriate officials in making the decision whether local areas should be evacuated; and

(2) He shall immediately notify both the Utah State Department of Environmental Quality as specified in R315-9 and the government official designated as the on-scene coordinator for that geographical area, in the applicable regional contingency plan, or the National Response Center (800/424-8802). The report shall include:

(i) Name and telephone number of reporter;

(ii) Name and address of facility;

(iii) Time and type of incident, e.g., discharge, fire;

(iv) Name and quantity of material(s) involved, to the extent available;

(v) The extent of injuries, if any; and

(vi) The possible hazards to human health, or the environment, outside the facility.

(e) During an emergency, the facility's emergency coordinator shall take all reasonable measures necessary to ensure that fires, explosions, and discharges do not occur, recur, or spread to other hazardous waste at the facility. These measures shall include, where applicable, stopping processes and operations, collecting and containing discharged waste, and removing or isolating containers.

(f) If the facility stops operations in response to a discharge, fire, or explosion, the facility's emergency coordinator shall monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

(g) Immediately after an emergency, the emergency coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a discharge, fire, or explosion at the facility. The recovered material shall be handled and managed as a hazardous waste unless it is analyzed and determined not to be, using the procedures specified in R315-2.

(h) The facility's emergency coordinator shall ensure that, in the affected area(s) of the facility:

(1) No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed; and

(2) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

(i) The facility owner or operator shall notify the Executive Secretary and other appropriate State and local authorities, that the facility is in compliance with R315-8-4.7(h) before operations are resumed in the affected area(s) of the facility.

(j) The facility owner or operator shall record in the operating record the time, date, and nature of any incident that requires implementing the contingency plan. Within 15 days after the incident, he shall submit a written report on the emergency to the Executive Secretary. The report shall include:

(1) Name, address, and telephone number of the owner or operator;

(2) Name, address, and telephone number of the facility;

(3) Date, time, and type of incident, e.g., fire, discharge;

(4) Name and quantity of material(s) involved;

(5) The extent of injuries, if any;

(6) An assessment of actual or potential hazards to the environment or human health, where this is applicable; and

(7) Estimated quantity and disposition of recovered material that resulted from the incident.

R315-8-5. Manifest System, Recordkeeping, and Reporting.

5.1 APPLICABILITY

The rules in this section apply to owners and operators of both on-site and off-site facilities, except as provided otherwise in R315-8-1. R315-8-5.2, R315-8-5.4, and R315-8-5.7 do not apply to owners and operators of on-site facilities that do not receive hazardous waste from off-site sources.

R315-8-5.3, incorporates by reference 40 CFR 264.73, July 1, 1992. However, 264.73(b) only applies to permittees who treat, store, or dispose of hazardous wastes on-site where the wastes were generated.

5.2 USE OF MANIFEST SYSTEM

(a) If a facility receives hazardous waste accompanied by a manifest, the owner or operator, or his agent, shall:

(1) Sign and date each copy of the manifest to certify that the hazardous waste covered by the manifest was received;

(2) Note any significant discrepancies in the manifest, as defined in R315-8-5.4(c), on each copy of the manifest;

Comment: The Agency does not intend that the owner or operator of a facility whose procedures under R315-8-2.4, which incorporates by reference 40 CFR 264.13(c), include waste analysis shall perform that analysis before signing the manifest and giving it to the transporter. R315-8-5.4(b), however, requires reporting an unreconciled discrepancy discovered during later analysis.

(3) Immediately give the transporter at least one copy of the signed manifest;

(4) Within 30 days after the delivery, send a copy of the manifest to the generator; and

(5) Retain at the facility a copy of each manifest for at least three years from the date of delivery.

(b) If a facility receives, from a rail or water (bulk shipment) transporter, hazardous waste which is accompanied by a shipping paper containing all the information required on the manifest (excluding the EPA identification numbers, generator's certification, and signatures), the owner or operator, or his agent, shall:

(1) Sign and date each copy of the manifest or shipping paper (if the manifest has not been received) to certify that the hazardous waste covered by the manifest or shipping paper was received;

(2) Note any significant discrepancies, as defined in R315-8-5.4(a), in the manifest or shipping paper (if the manifest has not been received) on each copy of the manifest or shipping paper.

Comment: The Agency does not intend that the owner or operator of a facility whose procedures under R315-8-2.4, which incorporates by reference 40 CFR 264.13(c), include waste analysis shall perform that analysis before signing the shipping paper and giving it to the transporter. R315-8-5.4(b), however, requires reporting an unreconciled discrepancy discovered during later analysis.

(3) Immediately give the rail or water (bulk shipment) transporter at least one copy of the manifest or shipping paper (if the manifest has not been received);

(4) Within 30 days after the delivery, send a copy of the signed and dated manifest to the generator; however, if the manifest has not been received within 30 days after delivery, the owner or operator, or his agent, shall send a copy of the shipping paper signed and dated to the generator; and

Comment: R315-5-2.23(c) requires the generator to send three copies of the manifest to the facility when hazardous waste is sent by rail or water (bulk shipment).

(5) Retain at the facility a copy of the manifest and shipping paper (if signed in lieu of the manifest at the time of delivery) for at least three years from the date of delivery.

(c) Whenever a shipment of hazardous waste is initiated from a facility, the owner or operator of that facility shall comply with the requirements of R315-5.

Comment: The provisions of R315-5-3.34, which incorporates by reference 40 CFR 262.34, are applicable to the on-site accumulation of hazardous wastes by generators. Therefore, the provisions of R315-5-3.34, which incorporates by reference 40 CFR 262.34, only apply to owners or operators who are shipping hazardous waste which they generated at that facility.

(d) Within three working days of the receipt of a shipment subject to R315 -5-8, which incorporates by reference 40 CFR

262, subpart H, the owner or operator of the facility shall provide a copy of the tracking document bearing all required signatures to the notifier, to the Office of Enforcement and Compliance Assurance, Office of Compliance, Enforcement Planning, Targeting and Data Division (2222A), Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, and to competent authorities of all other concerned countries. The original copy of the tracking document shall be maintained at the facility for at least three years from the date of signature.

5.3 OPERATING RECORD

The requirements as found in 40 CFR 264.73, 2000 ed., are adopted and incorporated by reference.

5.4 MANIFEST DISCREPANCIES

(a) Manifest discrepancies are differences between the quantity or type of hazardous waste designated on the manifest or shipping paper, and the quantity or type of hazardous waste a facility actually receives. Significant discrepancies in quantity are: (1) for batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload, and (2) for bulk waste, variations greater than 10 percent in weight. Significant discrepancies in type are obvious differences which can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid, or toxic constituents not reported on the manifest or shipping paper.

(b) Upon discovering a significant discrepancy, the owner or operator shall attempt to reconcile the discrepancy with the waste generator or transporter, e.g., with telephone conversations. If the discrepancy is not resolved within 15 days after receiving the waste, the owner or operator shall immediately submit to the Executive Secretary a letter describing the discrepancy and attempts to reconcile it, and a copy of the manifest or shipping paper at issue. The Executive Secretary does not intend that the owner or operator of a facility whose procedures under R315-8-2.4 which incorporates by reference 40 CFR 264.13, include waste analysis shall perform that analysis before signing the manifest and giving it to the transporter. However, unreconciled discrepancies discovered during later analysis shall be reported.

5.5 AVAILABILITY, RETENTION, AND DISPOSITION OF RECORDS

(a) Records of waste disposal locations and quantities required to be maintained under R315-8-5.3, which incorporates by reference 40 CFR 264.73(b)(2) shall be submitted to the Board and local land authority upon closure of the facility.

(b) The retention period for all records required under this section is extended automatically during the course of any unresolved enforcement action regarding the facility or as requested by the Executive Secretary.

(c) All records, including plans, required under R315-8 shall be furnished upon request, and made available at all reasonable times for inspection.

5.6 BIENNIAL REPORT

Owners or operators of facilities that treat, store, or dispose of hazardous waste shall prepare and submit a single copy of an biennial report to the Board by March 1 of each even numbered year. The biennial report shall be submitted on EPA form 8700-13B. The biennial report shall cover facility activities during the previous calendar year and shall include the following information:

(a) The EPA identification number, name, and address of the facility;

(b) The calendar year covered by the report;

(c) For off-site facilities, the EPA identification number of each hazardous waste generator from which a hazardous waste was received during the year; for imported shipments, the name and address of the foreign generator shall be given in the report;

(d) A description and the quantity of each hazardous waste received by the facility during the year. For off-site facilities, this information shall be listed by EPA identification number of each generator;

(e) The method(s) of treatment, storage, or disposal for each hazardous waste; and

(f) The most recent closure cost estimate under R315-8-8, which incorporates by reference 40 CFR 264. 140 - 264.151, and for disposal facilities, the most recent post-closure cost estimate under R315-8-8, which incorporates by reference 40 CFR 264.140 - 264.151; and

(g) For generators who treat, store, or dispose of hazardous waste on-site, a description of the efforts undertaken during the year to reduce the volume and toxicity of waste generated;

(h) For generators who treat, store, or dispose of hazardous waste on-site, a description of the changes in volume and toxicity of waste actually achieved during the year in comparison to previous years to the extent the information is available for the years prior to 1984;

(i) The certification signed by the owner or operator of the facility or his authorized representative.

5.7 UNMANIFESTED WASTE REPORT

If a facility accepts for treatment, storage, or disposal any hazardous waste from an off-site source without an accompanying manifest as described in R315-6-2.20(e)(2), except for shipments that do not require a manifest because of the exclusions in R315-2, the owner or operator shall prepare and submit a single copy of a report to the Board within 15 days of the receipt of the waste. The report shall include the following information:

(a) The EPA identification number, name, and address of the facility;

(b) The date of receipt of the waste;

(c) The word "unmanifested" under the comments section, or check appropriate box of the report form;

(d) The EPA identification number, name, and address of the generator and the transporter, if available;

(e) A description and the quantity of each unmanifested hazardous waste received by the facility;

(f) The method(s) of treatment, storage, or disposal for each hazardous waste;

(g) A certification signed by the owner or operator of the facility or his authorized representative; and

(h) A brief explanation of why the shipment was unmanifested, in the comments section of the report form. If a facility owner or operator accepts unmanifested hazardous waste, believing it to be excluded under R315-2, he should obtain from the generator a certification that the waste qualifies for exclusion, otherwise he should file an unmanifested waste report for the hazardous waste movement.

5.8 ADDITIONAL REPORTS

In addition to the biennial and unmanifested waste reporting requirements described in R315-8-5.6 and R315-8, a facility owner operator shall also report the following to the Board:

(a) Discharges, fires, and explosions as specified in R315-8-4.7(j);

(b) Upon its request, all information as the Board may deem necessary to determine compliance with the requirements of R315-8;

(c) Facility closure as specified in R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120; and

(d) As otherwise required in R315-8-6, R315-8-11, R315-8-12, R315-8-13, R315-8-14, R315-8-17, which incorporates by reference 40 CFR 264-1030 - 264.1036, R315-8-18, which incorporates by reference 40 CFR 264.1050 - 264.1065, and R315-8-22, which incorporates by reference 40 CFR 264.1080 - 264.1090.

R315-8-6. Groundwater Protection.

6.1 APPLICABILITY

(a)(1) Except as provided in R315-8-6.1(b), R315-8-6 applies to owners or operators of facilities that treat, store or dispose of hazardous waste. The owner or operator shall satisfy the requirements identified in R315-8-6.1(a)(2) for all wastes, or constituents thereof, contained in solid waste management units at the facility, regardless of the time at which waste was placed in the units.

(2) All solid waste management units shall comply with the requirements in R315-8-6.12. A surface impoundment, waste pile, and land treatment unit or landfill that receives hazardous waste after July 26, 1982, hereinafter referred to as a "regulated unit", shall comply with the requirements of R315-8-6.2 through R315-8-6.11 in lieu of R315-8-6.12 for purposes of detecting, characterizing and responding to releases to the uppermost aquifer. The financial responsibility requirements of R315-8-6.12 apply to regulated units.

(3) Groundwater monitoring shall be required at non-land disposal facilities as determined to be necessary and appropriate by the Executive Secretary.

(b) The owner or operator's regulated unit or units are not subject to regulation for releases into the uppermost aquifer under R315-8-6 if:

(1) The owner or operator is exempted under R315-8-1(e) or

(2) He operates a unit which the Board finds:

(i) Is an engineered structure.

(ii) Does not receive or contain liquid waste or waste containing free liquid.

(iii) Is designed and operated to exclude liquid, precipitation, and other run-on and run-off.

(iv) Has both inner and outer layers of containment enclosing the waste.

(v) Has a leak detection system built into each containment layer.

(vi) The owner or operator will provide continuing operation and maintenance of these leak detection systems during the active life of the unit and the closure and post-closure care periods, and

(vii) To a reasonable degree of certainty, will not allow hazardous constituents to migrate beyond the outer containment layer prior to the end of the post-closure care period.

(3) The Board finds pursuant to R315-8-13.11(d) that the treatment zone of a land treatment unit that qualifies as a regulated unit does not contain levels of hazardous constituents that are above background levels of those constituents by an amount that is statistically significant, and if an unsaturated zone monitoring program meeting the requirements of R315-8-13.9 has not shown a statistically significant increase in hazardous constituents below the treatment zone during the operating life of the unit. An exemption under this paragraph can only relieve an owner or operator of responsibility to meet the requirements of this subpart during the post-closure care period; or

(4) The Board finds that there is no potential for migration of liquid from a regulated unit to the uppermost aquifer during the active life of the regulated unit, including the closure period and the post-closure care period specified under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120. This demonstration shall be certified by a qualified geologist or geotechnical engineer. In order to provide an adequate margin of safety in the prediction of potential migration of liquid, the owner or operator shall base any predictions made under this paragraph on assumptions that maximize the rate of liquid migration.

(5) He designs and operates a waste pile in compliance with R315-8-12.1(c).

(c) The regulations under this section apply during the active life of the regulated unit, including the closure period. After closure of the regulated unit, the regulations in this section:

(1) Do not apply if the waste, waste residues, contaminated containment system components, and contaminated subsoils are removed or decontaminated at closure;

(2) Apply during the post-closure care period under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264-120, if the owner or operator is conducting a detection monitoring program under R315-8-6.9;

(3) Apply during the compliance period under R315-8-6.7 the owner is conducting a compliance monitoring program under R315-8-6.10 or a corrective action program under R315-8-6.11.

(d) Requirements in this section may apply to miscellaneous units when necessary to comply with R315-8-24, which incorporates by reference 40 CFR 264.601 - 264.603.

(e) The regulations of R315-8-6 apply to all owners and operators subject to the requirements of R315-3-1.1(e)(7), when the Executive Secretary issues either a post-closure permit or an enforceable document, as defined in R315-3-1.1(e)(7), at the facility. When the Executive Secretary issues an enforceable document, references in R315-8-6 to "in the permit" mean "in the enforceable document."

(f) The Executive Secretary may replace all or part of the requirements of R315-8-6.2 through R315-8-6.11 applying to a regulated unit with alternative requirements for groundwater monitoring and corrective action for releases to groundwater set out in the permit, or in an enforceable document, as defined in R315-3-1.1(e)(7) where the Executive Secretary determines

that:

(1) The regulated unit is situated among solid waste management units, or areas of concern, a release has occurred, and both the regulated unit and one or more solid waste management unit(s), or areas of concern, are likely to have contributed to the release; and

(2) It is not necessary to apply the groundwater monitoring and corrective action requirements of R315-8-6.2 through R315-8-6.11 because alternative requirements will protect human health and the environment.

6.2 REQUIRED PROGRAMS

(a) Owners and operators subject to this section shall conduct a monitoring and response program as follows:

(1) Whenever hazardous constituents under R315-8-6.4, from a regulated unit are detected at the compliance point under R315-8-6.6, the owner or operator shall institute a compliance monitoring program under R315-8-6.10. Detected is defined as statistically significant evidence of contamination as described in R315-8-6.9(f);

(2) Whenever the groundwater protection standard under R315-8-6.3, is exceeded, the owner or operator shall institute a corrective action program under R315-8-6.11. "Exceeded" is defined as statistically significant evidence of increased contamination as described in R315-8-6.10(d);

(3) Whenever hazardous constituents under R315-8-6.4, from a regulated unit exceed concentration limits under R315-8-6.5 in groundwater between the compliance point under R315-8-6.6 and the downgradient facility property boundary, the owner or operator shall institute a corrective action program under R315-8-6.11; or

(4) In all other cases, the owner or operator shall institute a detection monitoring program under R315-8-6.9.

(b) The Executive Secretary will specify in the facility permit the specific elements of the monitoring and response program. The Executive Secretary may include one or more of the programs identified in R315-8-6.2(a) in the facility permit as may be necessary to protect human health and the environment and will specify the circumstances under which each of the programs will be required. In deciding whether to require the owner or operator to be prepared to institute a particular program, the Executive Secretary will consider the potential adverse effects on human health and the environment that might occur before final administrative action on a permit modification application to incorporate this type of a program could be taken.

6.3 GROUNDWATER PROTECTION STANDARD

The owner or operator shall comply with conditions specified in the facility permit that are designed to ensure that hazardous constituents under R315-8-6.4 that are detected in the groundwater from a regulated unit do not exceed the concentration limits under R315-8-6.5 in the uppermost aquifer underlaying the waste management area beyond the point of compliance under R315-8-6.6 during the compliance period under R315-8-6.7. The Executive Secretary will establish this groundwater protection standard in the facility permit when hazardous constituents have been detected in the groundwater.

6.4 HAZARDOUS CONSTITUENTS

(a) The Executive Secretary will specify in the facility permit the hazardous constituents to which the groundwater protection standard of R315-8-6.3 applies. Hazardous constituents are constituents identified in R315-50-10, which incorporates by reference 40 CFR 261, Appendix VIII, that have been detected in groundwater in the uppermost aquifer underlaying a regulated unit and that are reasonably expected to be in or derived from waste contained in a regulated unit, unless the Executive Secretary has excluded them under paragraph 8.6.4(b).

(b) The Executive Secretary will exclude an R315-50-10 constituent from the list of hazardous constituents specified in the facility permit if he finds that the constituent is not capable of posing a substantial present or potential hazard to human health or the environment. In deciding whether to grant an exemption, the Executive Secretary will consider the following:

(1) Potential adverse effects on groundwater quality, considering:

(i) The physical and chemical characteristics of the waste in the regulated unit, including its potential for migration;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity of groundwater and the direction of groundwater flow;

(iv) The proximity and withdrawal rates of groundwater users;

(v) The current and future uses of groundwater in the area;

(vi) The existing quality of groundwater, including other sources of contamination and their cumulative impact on the groundwater quality;

(vii) The potential for health risks caused by human exposure to waste constituents;

(viii) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents;

(ix) The persistence and permanence of the potential adverse effects; and

(2) Potential adverse effects on hydraulically-connected surface water quality, considering:

(i) The volume and physical and chemical characteristics of the waste in the regulated unit;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity and quality of groundwater and the direction of groundwater flow;

(iv) The patterns of rainfall in the region;

(v) The proximity of the regulated unit to surface waters;

(vi) The current and future uses of surface waters in the area and any water quality standards established for those surface waters;

(vii) The existing quality of surface water, including other sources of contamination and the cumulative impact on surface water quality;

(viii) The potential for health risks caused by human exposure to waste constituents;

(ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; and

(x) The persistence and permanence of the potential adverse effects.

(c) In making any determination under R315-8-6.4(b)

about the use of groundwater in the area around the facility, the Executive Secretary will consider any identification of underground sources of drinking water.

6.5 CONCENTRATION LIMITS

(a) The Executive Secretary will specify in the facility permit concentration limits in the groundwater for hazardous constituents established under R315-8-6.4. The concentration of a hazardous constituent:

(1) Shall not exceed the background level of that constituent in the groundwater at the time that limit is specified in the permit; or

(2) For any of the constituents listed in Table 1, shall not exceed the respective value given in that Table if the background level of the constituent is below the value given in Table 1; or

TABLE 1
Maximum Concentration of Constituents for Groundwater Protection

CONSTITUENT		MAXIMUM CONCENTRATION(1)
Arsenic		0.05
Barium		1.0
Cadmium		0.01
Chromium		0.05
Lead		0.05
Mercury		0.002
Selenium		0.01
Silver		0.05
Endrin	(1,2,3,4,10,10-hexachloro-1, 7-epoxy-1,4,4a,5,6,7,8, 9a-octahydro-1, 4-endo, endo-5,8-dimethano naphthalene)	0.0002
Lindane	(1,2,3,4,5,6,-hexachlorocyclohexane, gamma isomer)	0.004
Methoxychlor	(1,1,1-Trichloro-2,2-bis (p-methoxyphenylethane)	0.1
Toxaphene	(C10H10C18, Technical chlorinated camphene, 67-69 percent chlorine)	0.005
2,4-D	(2,4-Dichlorophenoxyacetic acid)	0.1
2,4,5-TP Silvex	(2,4,5-Trichlorophenoxypropionic acid)	0.01

(1) Milligrams per liter

(3) Shall not exceed an alternate limit established by the Executive Secretary under R315-8-6.5(b).

(b) The Executive Secretary will establish an alternate concentration limit for a hazardous constituent if they find that the constituent will not pose a substantial present or potential hazard to human health or the environment as long as the alternate concentration limit is not exceeded. In establishing alternate concentration limits, the Executive Secretary will consider the following factors:

(1) Potential adverse effects on groundwater quality, considering:

(i) The physical and chemical characteristics of the waste in the regulated unit, including its potential for migration;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity of groundwater and the direction of groundwater flow;

(iv) The proximity and withdrawal rates of groundwater users;

(v) The current and future uses of groundwater in the area;

(vi) The existing quality of groundwater, including other sources of contamination and their cumulative impact on the groundwater quality;

(vii) The potential for health risks caused by human exposure to waste constituents;

(viii) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents;

(ix) The persistence and permanence of the potential adverse effects; and

(2) Potential adverse effects on hydraulically connected surface water quality, considering:

(i) The volume and physical and chemical characteristics of the waste in the regulated unit;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity and quality of groundwater, and the direction of groundwater flow;

(iv) The patterns of rainfall in the region;

(v) The proximity of the regulated unit to surface waters;

(vi) The current and future uses of surface waters in the area and any water quality standards established for those surface waters;

(vii) The existing quality of surface water, including other sources of contamination and the cumulative impact on surface water quality;

(viii) The potential for health risks caused by human exposure to waste constituents;

(ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; and

(x) The persistence and permanence of the potential adverse effects.

(c) In making any determination under R315-8-6.5(b) about the use of groundwater in the area around the facility the Board will consider any identification of underground sources of drinking water.

6.6 POINT OF COMPLIANCE

(a) The Executive Secretary will specify in the facility permit the point of compliance at which the groundwater protection standard of R315-8-6.3 applies and at which monitoring shall be conducted. The point of compliance is a vertical surface located at the hydraulically downgradient limit of the waste management area that extends down into the uppermost aquifer underlaying the regulated units.

(b) The waste management area is the limit projected in the horizontal plane of the area on which waste will be placed during the active life of a regulated unit.

(1) The waste management area includes horizontal space taken up by any liner, dike, or other barrier designed to contain waste in a regulated unit.

(2) If the facility contains more than one regulated unit, the waste management area is described by an imaginary line circumscribing the several regulated units.

6.7 COMPLIANCE PERIOD

(a) The Executive Secretary will specify in the facility permit the compliance period during which the groundwater protection standard of R315-8-6.3 applies. The compliance period is the number of years equal to the active life of the waste management area, including any waste management activity prior to permit and the closure period.

(b) The compliance period begins when the owner or operator initiates a compliance monitoring program meeting the requirements of R315-8-6.9.

(c) If the owner or operator is engaged in a corrective action program at the end of the compliance period specified in R315-8-6.7(a), the compliance period is extended until the owner or operator can demonstrate that the groundwater protection standard of R315-8-6.3 has not been exceeded for a period of three consecutive years.

6.8 GENERAL GROUNDWATER MONITORING REQUIREMENTS

The owner or operator shall comply with the following requirements for any groundwater monitoring program developed to satisfy R315-8-6.9, R315-8-6.10, or R315-8-6.11:

(a) The groundwater monitoring system shall consist of a sufficient number of wells, installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer that:

(1) Represent the quality of background water that has not been affected by leakage from a regulated unit;

(i) A determination of background quality may include sampling of wells that are not hydraulically upgradient of the waste management area where:

(A) hydrogeologic conditions do not allow the owner or operator to determine what wells are hydraulically upgradient; and

(B) Sampling at other wells will provide an indication of background groundwater quality that is representative or more representative than that provided by the upgradient wells;

(2) represent the quality of groundwater passing the point of compliance; and

(3) allow for the detection of contamination when hazardous waste or hazardous constituents have migrated from the waste management area to the uppermost aquifer.

(b) If a facility contains more than one regulated unit, separate groundwater monitoring systems are not required for each regulated unit provided that provisions for sampling the groundwater in the uppermost aquifer will enable detection and measurement at the compliance point of hazardous constituents from the regulated units that have entered the groundwater in the uppermost aquifer.

(c) All monitoring wells shall be cased in a manner that maintains the integrity of the monitoring well bore hole. This casing shall be screened or perforated and packed with gravel or sand, where necessary, to enable collection of groundwater samples. The annular space, i.e., the space between the bore hole and well casing, above the sampling depth shall be sealed to prevent contamination of samples and the groundwater.

(d) The groundwater monitoring program shall include consistent sampling and analysis procedures that are designed to ensure monitoring results that provide a reliable indication of groundwater quality below the waste management area. At a minimum the program shall include procedures and techniques for:

(1) Sample collection;

(2) Sample preservation and shipment;

(3) Analytical procedures; and

(4) Chain of custody control.

(e) The groundwater monitoring program shall include sampling and analytical methods that are appropriate for groundwater sampling and that accurately measure hazardous constituents in groundwater samples.

(f) The groundwater monitoring program shall include a determination of the groundwater surface elevation each time groundwater is sampled.

(g) In detection monitoring or where appropriate in compliance monitoring, data on each hazardous constituent specified in the permit will be collected from background wells and wells at the compliance point. The number and kinds of samples collected to establish background shall be appropriate for the form of statistical test employed, following generally accepted statistical principles. The sample size should be as large as necessary to ensure with reasonable confidence that a contaminant release to groundwater from a facility will be detected. The owner or operator will determine an appropriate sampling procedure and interval for each hazardous constituent listed in the facility permit which shall be specified in the unit permit upon approval by the Executive Secretary. This sampling procedure should be:

(1) a sequence of at least four samples, taken at an interval that assures, to the greatest extent technically feasible, that an independent sample is obtained, by reference to the uppermost aquifer's effective porosity, hydraulic conductivity, and hydraulic gradient, and the fate and transport characteristics of the potential contaminants; or

(2) an alternate sampling procedure proposed by the owner or operator and approved by the Executive Secretary.

(h) The owner or operator will specify one of the following statistical methods to be used in evaluating groundwater monitoring data for each hazardous constituent, upon approval by the Executive Secretary, will be specified in the unit permit. The statistical test chosen shall be conducted separately for each hazardous constituent in each well. Where practical quantification limits, pql's, are used in any of the following statistical procedures to comply with R315-8-6.8(i)(5), the pql shall be proposed by the owner or operator and approved by the Executive Secretary. Use of any of the following statistical methods shall be protective of human health and the environment and shall comply with the performance standards outlined in R315-8-6.8(i).

(1) a parametric analysis of variance, ANOVA, followed by multiple comparisons procedures to identify statistical significant evidence of contamination. The method shall include estimation and testing of the contrasts between each compliance well's mean and the background mean levels for each constituent;

(2) an analysis of variance, ANOVA, based on ranks followed by multiple comparisons procedures to identify

statistical significant evidence of contamination. The method shall include estimation and testing of the contrasts between compliance well's median and the background median levels for each constituent;

(3) a tolerance or prediction interval procedure in which an interval for each constituent is established from the distribution of the background data, and the level of each constituent in each compliance well is compared to the upper tolerance or prediction limit;

(4) a control chart approach that gives control limits for each constituent;

(5) another statistical test method submitted by the owner or operator and approved by the Executive Secretary.

(i) Any statistical method chosen under R315-8-6.8(h) for specification in the unit permit shall comply with the following performance standards, as appropriate:

(1) The statistical method used to evaluate groundwater monitoring data shall be appropriate for the distribution of chemical parameters or hazardous constituents. If the distribution of the chemical parameters or hazardous constituents is shown by the owner or operator to be inappropriate for a normal theory test, then the data should be transformed or a distribution-free theory test should be used. If the distributions for the constituents differ, more than one statistical method may be needed.

(2) If an individual well comparison procedure is used to compare an individual compliance well constituent concentration with background constituent concentrations or a groundwater protection standard, the test shall be done at a Type I error level no less than 0.01 for each testing period. If a multiple comparisons procedure is used, the Type I experimentwise error rate for each testing period shall be no less than 0.05; however, the Type I error of no less than 0.01 for individual well comparisons shall be maintained. This performance standard does not apply to tolerance intervals, predictions intervals or control charts.

(3) If a control chart approach is used to evaluate groundwater monitoring data, the specific type of control chart and its associated parameter values shall be proposed by the owner or operator and approved by the Executive Secretary if he finds it to be protective of human health and the environment.

(4) If a tolerance interval or a prediction interval is used to evaluate groundwater monitoring data, the levels of confidence and, for tolerance intervals, the percentage of the population that the interval shall contain, shall be proposed by the owner or operator and approved by the Executive Secretary if he finds these parameters to be protective of human health and the environment. These parameters will be determined after considering the number of samples in the background data base, the data distribution, and the range of the concentration values for each constituent of concern.

(5) The statistical method shall account for data below the limit of detection with one or more statistical procedures that are protective of human health and the environment. Any practical quantification limit, pql, approved by the Executive Secretary under R315-8-6.8(h) that is used in the statistical method shall be the lowest concentration level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions that are available to the facility.

(6) If necessary, the statistical method shall include procedures to control or correct for seasonal and spatial variability as well as temporal correlation in the data.

(j) Groundwater monitoring data collected in accordance with R315-8-6.8(g) including actual levels of constituents shall be maintained in the facility operating record. The Executive Secretary will specify in the permit when the data shall be submitted for review.

6.9 DETECTION MONITORING PROGRAM

An owner or operator required to establish a detection monitoring program under this section shall, at a minimum, discharge the following responsibilities:

(a) The owner or operator shall monitor for indicator parameters, e.g., specific conductance, pH, total organic carbon, or total organic halogen, waste constituents, or reaction products that provide a reliable indication of the presence of hazardous constituents in groundwater. The Executive Secretary will specify the parameters or constituents to be monitored in the facility permit after considering the following factors:

(1) The types, quantities, and concentrations of constituents in wastes managed at the regulated unit;

(2) The mobility, stability, and persistence of waste constituents or their reaction products in the unsaturated zone beneath the waste management area;

(3) The detectability of indicator parameters, waste constituents, and reaction products in groundwater; and

(4) The concentrations or values and coefficients of variation of proposed monitoring parameters or constituents in the groundwater background.

(b) The owner or operator shall install a groundwater monitoring system at the compliance point as specified under R315-8-6.6. The groundwater monitoring system shall comply with R315-8-6.8(a)(2), (b), and (c).

(c) The owner or operator shall conduct a groundwater monitoring program for each chemical parameter and hazardous constituent specified in the permit pursuant to R315-8-6.9(a) in accordance with R315-8-6.9(g). The owner or operator shall maintain a record of groundwater analytical data as measured and in a form necessary for the determination of statistical significance under R315-8-6.8(h).

(d) The Executive Secretary will specify the frequencies for collecting samples and conducting statistical tests to determine whether there is statistically significant evidence of contamination for any parameter or hazardous constituent specified in the permit under R315-8-6.9(a) in accordance with R315-8-6.8(g). A sequence of at least four samples from each well, background and compliance wells, shall be collected at least semiannually during detection monitoring.

(e) The owner or operator shall determine the groundwater flow rate and direction in the uppermost aquifer at least annually.

(f) The owner or operator shall determine whether there is statistically significant evidence of contamination for any chemical parameter of hazardous constituent specified in the permit pursuant to R315-8-6.9(a) at a frequency specified under R315-8-6.9(d).

(1) In determining whether statistically significant evidence of contamination exists, the owner or operator shall use the method specified in the permit under R315-8-6.8(h).

This method shall compare data collected at the compliance point to the background groundwater quality data.

(2) The owner or operator shall determine whether there is statistically significant evidence of contamination at each monitoring well as the compliance point within a reasonable period of time after completion of sampling. The Executive Secretary will specify in the facility permit what period of time is reasonable, after considering the complexity of the statistical test and the availability of laboratory facilities to perform the analysis of groundwater samples.

(g) If the owner or operator determines pursuant to R315-8-6.9(f) that there is statistically significant evidence of contamination for chemical parameters of hazardous constituents specified pursuant to R315-8-6.9(a) at any monitoring well at the compliance point, he shall:

(1) notify the Executive Secretary of this finding in writing within seven days. The notification shall indicate what chemical parameters or hazardous constituents have shown statistically significant evidence of contamination;

(2) immediately sample the groundwater in all monitoring wells and determine whether constituents in the list of R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, are present, and if so, in what concentration;

(3) for any R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, compounds found in the analysis pursuant to R315-8-6.9(g)(2), the owner or operator may resample within one month and repeat the analysis for these compounds detected. If the results for the second analysis confirm the initial results, then these constituents will form the basis for compliance monitoring. If the owner or operator does not resample for the compounds found pursuant to R315-8-6.9(g)(2), the hazardous constituents found during this initial R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, analysis will form the basis for compliance monitoring;

(4) within 90 days, submit to the Executive Secretary an application for a permit modification to establish a compliance monitoring program meeting the requirements of R315-8-6.10. The application shall include the following information;

(i) an identification of the concentration of any R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, constituent detected in the groundwater at each monitoring well at the compliance point;

(ii) any proposed changes to the groundwater monitoring system at the facility necessary to meet the requirements of R315-8-6.10;

(iii) any proposed additions or changes to the monitoring frequency, sampling and analysis procedures or methods, or statistical methods used at the facility necessary to meet the requirements of R315-8-6.10;

(iv) for each hazardous constituent detected at the compliance point, a proposed concentration limit under R315-8-6.10(a)(1) or (2), or a notice of intent to seek an alternate concentration limit under R315-8-6.5(b); and

(5) within 180 days, submit to the Executive Secretary:

(i) all data necessary to justify an alternate concentration limit sought under R315-8-6.5(b); and

(ii) an engineering feasibility plan for a corrective action program necessary to meet the requirement of R315-8-6.11, unless:

(A) all hazardous constituents identified under R315-8-6.9(g)(2) are listed in R315-8-6.5, Table 1 and their concentrations do not exceed their respective values given in that table; or

(B) the owner or operator has sought an alternate concentration limit under R315-8-6.5(b) for every hazardous constituent identified under R315-8-6.9(g)(2).

(6) If the owner or operator determines, pursuant to R315-8-6.9(f), that there is a statistically significant difference for chemical parameters or hazardous constituents specified pursuant to R315-8-6.9(a) at any monitoring well at the compliance point, he may demonstrate that a source other than a regulated unit caused the contamination or that the detection is an artifact caused by an error in sampling, analysis, or statistical evaluation or natural variation in the groundwater. The owner or operator may make a demonstration under R315-8-6.9(g)(6) in addition to, or in lieu of, submitting a permit modification application under R315-8-6.9(g)(4); however, the owner or operator is not relieved of the requirement to submit a permit modification application within the time specified in R315-8-6.9(g)(4) unless the demonstration made under R315-8-6.9(g)(6) successfully shows that a source other than the regulated unit caused the increase, or that the increase resulted from error in sampling, analysis, or evaluation. In making a demonstration under R315-8-6.9(g)(6), the owner or operator shall:

(i) notify the Executive Secretary in writing within seven days of determining statistically significant evidence of contamination at the compliance point that he intends to make a demonstration under this paragraph;

(ii) within 90 days, submit a report to the Executive Secretary which demonstrates that a source other than a regulated unit caused the contamination or that the contamination resulted from error in sampling, analysis, or evaluation;

(iii) within 90 days, submit to the Executive Secretary an application for a permit modification to make any appropriate changes to the detection monitoring program facility; and

(iv) continue to monitor in accordance with the detection monitoring program established under R315-8-6.9.

(h) If the owner or operator determines that the detection monitoring program no longer satisfies the requirements of this section, he shall, within 90 days, submit an application for a permit modification to make any appropriate changes to the program.

6.10 COMPLIANCE MONITORING PROGRAM

An owner or operator required to establish a compliance monitoring program under this section shall, at a minimum, discharge the following responsibilities:

(a) The owner or operator shall monitor the groundwater to determine whether regulated units are in compliance with the groundwater protection standard under R315-8-6.3. The Executive Secretary will specify the groundwater protection standard in the facility permit including:

(1) A list of the hazardous constituents identified under R315-8-6.4;

(2) Concentration limits under R315-8-6.5 for each of those hazardous constituents;

(3) The compliance point under R315-8-6.6;

(4) The compliance period under R315-8-6.7.

(b) The owner or operator shall install a groundwater monitoring system at the compliance point as specified under R315-8-6.6. The groundwater monitoring system shall comply with R315-8-6.8(a)(2), (b) and (c).

(c) The Executive Secretary will specify the sampling procedures and statistical methods appropriate for the constituents and the facility, consistent with R315-8-6.8(g) and (h).

(1) The owner or operator shall conduct a sampling program for each chemical parameter or hazardous waste constituent in accordance with R315-8-6.8(g).

(2) The owner or operator shall record groundwater analytical data as measured and in form necessary for the determination of statistical significance under R315-8-6.8(h) for the compliance period of the facility.

(d) The owner or operator shall determine whether there is statistically significant evidence of increased contamination for any chemical parameter or hazardous constituent specified in the permit, pursuant to R315-8-6.10(a), at a frequency specified under R315-8-6.10(f).

(1) In determining whether statistically significant evidence of increased contamination exists, the owner or operator shall use the method specified in the permit under R315-8-6.5. The method shall compare data collected at the compliance point to a concentration limit developed in accordance with R315-8-6.8(h).

(2) The owner or operator shall determine whether there is statistically significant evidence of increase contamination at each monitoring well at the compliance point within a reasonable time period after completion of sampling. The Executive Secretary will specify that time period in the facility permit, after considering the complexity of the statistical test and the availability of laboratory facilities to perform the analysis of groundwater samples.

(e) The owner or operator shall determine the groundwater flow rate and direction in the uppermost aquifer at least annually.

(f) The Executive Secretary will specify the frequencies for collecting samples and conducting statistical tests to determine statistically significant evidence of increased contamination in accordance with R315-8-6.8(g). A sequence of at least four samples from each well, background and compliance wells, shall be collected at least semi-annually during the compliance period of the facility.

(g) The owner or operator shall analyze samples from all monitoring wells at the compliance point for all constituents contained in R315-50-14, which incorporates by reference 40 CFR, Appendix IX, at least annually to determine whether additional hazardous constituents are present in the uppermost aquifer and, if so, at what concentration, pursuant to procedures in R315-8-6.9(f). If the owner or operator finds R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, constituents in the groundwater that are not already identified in the permit as monitoring constituents, the owner or operator may resample within one month and repeat the R315-50-14, which incorporates by reference 40 CFR 264, Appendix IX, analysis. If the second analysis confirms the presence of new constituents, the owner or operator shall report the concentration of these additional constituents to the Executive Secretary within seven days after the completion of the second analysis and add them to the monitoring list. If the owner or operator chooses not to resample, then he shall report the concentrations of these additional constituents to the Executive Secretary within seven days after completion of the initial analysis and add them to the monitoring list.

(h) If the owner or operator determines pursuant to R315-8-6.10(d) that any concentration limits under R315-8-6.5 are being exceeded at any monitoring well at the point of compliance he shall:

(1) Notify the Executive Secretary of this finding in writing within seven days. The notification shall indicate which concentration limits have been exceeded;

(2) Submit to the Executive Secretary an application for a permit modification to establish a corrective action program meeting the requirements of R315-8-6.11, within 180 days, or within 90 days if an engineering feasibility study has been previously submitted to the Executive Secretary under R315-8-6.9(h)(5). The application shall at a minimum include the following information:

(i) A detailed description of corrective actions that will achieve compliance with the groundwater protection standard specified in the permit under R315-8-6.10(a); and

(ii) A plan for a groundwater monitoring program that will demonstrate the effectiveness of the corrective action. The groundwater monitoring program may be based on a compliance monitoring program developed to meet the requirements of this section.

(i) If the owner or operator determines, pursuant to R315-8-6.10(d), that the groundwater concentration limits under R315-8-6.10 are being exceeded at any monitoring well at the point of compliance, he may demonstrate that a source other than a regulated unit caused the contamination or that the detection is an artifact caused by an error in sampling, analysis, or statistical evaluation or natural variation in the groundwater. In making a demonstration under R315-8-6.10(i), the owner or operator shall:

(1) Notify the Executive Secretary in writing within seven days that he intends to make a demonstration under R315-8-6.10(i);

(2) Within 90 days, submit a report to the Executive Secretary which demonstrates that a source other than a regulated unit caused the standard to be exceeded or that the apparent noncompliance with the standards resulted from error in sampling, analysis, or evaluation;

(3) Within 90 days, submit to the Executive Secretary an application for a permit modification to make any appropriate changes to the compliance monitoring program at the facility; and

(4) Continue to monitor in accord with the compliance monitoring program established under this section.

(j) If the owner or operator determines that the compliance monitoring program no longer satisfies the requirements of this section, he shall within 90 days, submit an application for a permit modification to make any appropriate changes to the program.

6.11 CORRECTIVE ACTION PROGRAM

An owner or operator required to establish a corrective action program under this section shall, at a minimum, discharge the following responsibilities:

(a) The owner or operator shall take corrective action to ensure that regulated units are in compliance with the groundwater protection standard under R315-8-6.3. The Executive Secretary will specify the groundwater protection standard in the facility permit, including:

(1) A list of hazardous constituents identified under R315-8-6.4;

(2) Concentration limits under R315-8-6.5 for each of those hazardous constituents;

(3) The compliance point under R315-8-6.6; and

(4) The compliance period under R315-8-6.7.

(b) The owner or operator shall implement a corrective action program that prevents hazardous constituents from exceeding their respective concentration limits at the compliance point by removing the hazardous waste constituents or treating them in place. The permit will specify the specific measures that will be taken.

(c) The owner or operator shall begin corrective action within a reasonable time period after the groundwater protection standard is exceeded. The Executive Secretary will specify that time period in the facility permit. If a facility permit includes a corrective action program in addition to a compliance monitoring program, the permit will specify when the corrective action will begin and the requirement will operate in lieu of R315-8-6.10(i)(2).

(d) In conjunction with a corrective action program, the owner or operator shall establish and implement a groundwater monitoring program to demonstrate the effectiveness of the corrective action program. The monitoring program may be based on the requirements for a compliance monitoring program under R315-8-6.10 and shall be as effective as that program in determining compliance with the groundwater protection standard under R315-8-6.3 and in determining the success of a corrective action program under R315-8-6.11(e), where appropriate.

(e) In addition to the other requirements of this section, the owner or operator shall conduct a corrective action program to remove or treat in place any hazardous constituents under R315-8-6.4 that exceed concentration limits under R315-8-6.5 in groundwater:

(1) between the compliance point under R315-8-6.6 and the downgradient facility property boundary; and

(2) beyond the facility boundary, where necessary to protect human health and the environment, unless the owner or operator demonstrates to the satisfaction of the Executive Secretary that, despite the owner's or operator's best efforts, the owner or operator was unable to obtain the necessary permission to undertake the action. The owner or operator is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address the releases will be determined on a case-by-case basis.

(3) Corrective action measures under R315-8-6.11(e) shall be initiated and completed within a reasonable period of time considering the extent of contamination.

(4) Corrective action measures under this paragraph may be terminated once the concentration of hazardous constituents under R315-8-6.4 is reduced to levels below their respective concentration limits under R315-8-6.5.

(f) The owner or operator shall continue corrective action measures during the compliance period to the extent necessary to ensure that the groundwater protection standard is not exceeded. If the owner or operator is conducting corrective action at the end of the compliance period, he shall continue that corrective action for as long as necessary to achieve compliance with the groundwater protection standard. The owner or operator may terminate corrective action measures taken beyond the period equal to the active life of the waste management area, including the closure period if he can demonstrate, based on data from the groundwater monitoring program under R315-8-6.11(d), that the groundwater protection standard of R315-8-6.3 has not been exceeded for a period of three consecutive years.

(g) The owner or operator shall report in writing to the Executive Secretary on the effectiveness of the corrective action program. The owner or operator shall submit these reports semi-annually.

(h) If the owner or operator determines that the corrective action program no longer satisfies the requirements of this section, he shall within 90 days, submit an application for a permit modification to the program.

6.12 CORRECTIVE ACTION FOR SOLID WASTE MANAGEMENT UNITS

(a) The owner or operator of a facility seeking a permit for the treatment, storage or disposal of hazardous waste shall institute corrective action as necessary to protect human health and the environment for all releases of hazardous waste or constituents from any solid waste management unit at the facility, regardless of the time at which waste was placed in the unit.

(b) Corrective action will be specified in the permit in accordance with R315-8-6-12 and R315-8-21, which incorporates by reference 40 CFR 264.552 and 264.553. The permit will contain schedules of compliance for the corrective action, where such corrective action cannot be completed prior to issuance of the permit, and assurances of financial responsibility for completing the corrective action.

(c) The owner or operator shall implement corrective actions beyond the facility property boundary, where necessary to protect human health and the environment, unless the owner or operator demonstrates to the satisfaction of the Executive Secretary that, despite the owner's or operator's best efforts, the owner or operator was unable to obtain the necessary permission to undertake the actions. The owner or operator is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address the releases will be determined on a case-by-case basis. Assurances of financial responsibility for corrective action shall be provided.

(d) This does not apply to remediation waste management sites unless they are part of a facility subject to a permit for treating, storing, or disposing of hazardous wastes that are not remediation wastes.

R315-8-7. Closure and Post Closure.

The requirements as found in 40 CFR subpart G, 264.110 -

264.120, 1998 ed., as amended by 63 FR 56710, October 22, 1998, are incorporated by reference with the following exceptions:

(1) Substitute "Board" for all federal regulation references made to "Regional Administrator" except in 264.112 where "Regional Administrator" and "Director" means "Executive Secretary".

(2) Substitute R315-3 for all general reference made to 40 CFR 124 and 270.

(3) Substitute 19-6-101 et seq. for all references made to RCRA.

R315-8-8. Financial Requirements.

The requirements as found in 40 CFR subpart H, 264.140 - 264.151, 1998 ed., as amended by 63 FR 56710, October 22, 1998, are incorporated by reference with the following exceptions:

(1) Substitute "Executive Secretary" for all references to "Regional Administrator".

(2) Substitute 19-6 for all references to RCRA.

R315-8-9. Use and Management of Containers.

9.1 APPLICABILITY

The rules in this section apply to owners and operators of all hazardous waste facilities that store containers of hazardous waste, except as provided otherwise in R315-8-1.

Under R315-2-7 and R315-2-11, if a hazardous waste is emptied from a container the residue remaining in the container is not considered a hazardous waste if the container is "empty" as defined in R315-2-7. In that event, management of the container is exempt from the requirements of this section.

9.2 CONDITION OF CONTAINERS

If a container holding hazardous waste is not in good condition, e.g., severe rusting, apparent structural defects, or if it begins to leak, the owner or operator shall transfer the hazardous waste from this container to a container that is in good condition or manage the waste in some other way that complies with the requirements of this section.

9.3 COMPATIBILITY OF WASTE WITH CONTAINERS

The owner or operator shall use a container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.

9.4 MANAGEMENT OF CONTAINERS

(a) A container holding hazardous waste shall always be closed during storage, except when it is necessary to add or remove waste.

(b) A container holding hazardous waste shall not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Reuse of containers in transportation is governed by U.S. Department of Transportation regulations including those set forth in 49 CFR 173.28.

9.5 INSPECTIONS

At least weekly, the owner or operator shall inspect areas where containers are stored, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors. See R315-8-2.6(c) and R315-8-9.2 for remedial action required if deterioration or leaks are detected.

9.6 CONTAINMENT

(a) Container storage areas shall have a containment system that is designed and operated in accordance with R315-8-9.6(b), except as otherwise provided by R315-8-9.6(c).

(b) A containment system shall be designed and operated as follows:

(1) A base shall underlay the containers which is free of cracks or gaps and is sufficiently impervious to contain leaks, spills, and accumulated precipitation until the collected material is detected and removed;

(2) The base shall be sloped or the containment system shall be otherwise designed and operated to drain and remove liquids resulting from leaks, spills, or precipitation, unless the containers are elevated or are otherwise protected from contact with accumulated liquids;

(3) The containment system shall have sufficient capacity to contain 10% of the volume of containers or the volume of the largest container, whichever is greater. Containers that do not contain free liquids need not be considered in this determination;

(4) Run-on into the containment system shall be prevented unless the collection system has sufficient excess capacity in addition to that required in R315-8-9.6(b)(3) to contain any run-on which might enter the system; and

(5) Spilled or leaked waste and accumulated precipitation shall be removed from the sump or collection area in as timely a manner as is necessary to prevent overflow of the collection system.

If the collected material is a hazardous waste under R315-2, it shall be managed as a hazardous waste in accordance with all applicable requirements of these rules. If the collected material is discharged through a point source to waters of the United States, it is subject to the requirements of section 402 of the Clean Water Act, as amended.

(c) Storage areas that store containers holding only wastes that do not contain free liquids need not have a containment system defined by R315-8-9.6(b), except as provided by R315-8-9.6(d) or provided that:

(1) The storage area is sloped or is otherwise designed and operated to drain and remove liquid resulting from precipitation, or

(2) The containers are elevated or are otherwise protected from contact with accumulated liquid.

(d) Storage areas that store containers holding the wastes listed below that do not contain free liquids shall have a containment system defined by R315-8-9.6(b):

(1) F020, F021, F022, F023, F026, and F027.

9.7 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

Containers holding ignitable or reactive waste shall be located at least 15 meters, 50 feet, from the facility's property line. See R315-8-2.8(a) for additional requirements.

9.8 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

(a) Incompatible wastes, or incompatible wastes and materials, see 40 CFR 264, Appendix V for examples, shall not be placed in the same container, unless R315-8-2.8(b) is

complied with.

(b) Hazardous waste shall not be placed in an unwashed container that previously held an incompatible waste or material. As required by R315-8-2.4, which incorporates by reference 40 CFR 264.13, the waste analysis plan shall include analyses needed to comply with R315-8-9.8(b). Also R315-8-2.8(c) requires waste analyses, trial tests or other documentation to assure compliance with R315-8-2.8(b). As required by R315-8-5.3, which incorporates by reference 40 CFR 264.73, the owner or operator shall place the results of each waste analysis and trial test, and any documented information, in the operating record of the facility.

(c) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments shall be separated from the other materials or protected from them by means of a dike, berm, wall, or other device. The purpose of this section is to prevent fires, explosions, gaseous emission, leaching, or other discharge of hazardous waste or hazardous waste constituents which could result from the mixing of incompatible wastes or materials if containers break or leak.

9.9 CLOSURE

At closure, all hazardous waste and hazardous waste residues shall be removed from the containment system. Remaining containers, liners, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues shall be decontaminated or removed.

At closure, as throughout the operating period, unless the owner or operator can demonstrate in accordance with R315-2-3(d) that the solid waste removed from the containment system is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with all applicable requirements of these rules.

9.10 AIR EMISSION STANDARDS

The owner or operator shall manage all hazardous waste placed in a container in accordance with the applicable requirements of R315-8-17, which incorporates by reference 40 CFR subpart AA, R315-8-18, which incorporates by reference 40 CFR subpart BB, and R315-8-22, which incorporates by reference 40 CFR subpart CC.

R315-8-10. Tanks.

The requirements as found in 40 CFR 264, subpart J, 264.190 - 264.200, 1996 ed., as amended by 61 FR 59931, November 25, 1996, are adopted and incorporated by reference with the following exceptions:

(a) Substitute "Executive Secretary" for all references to "Administrator" or "Regional Administrator" found in subpart J except paragraph 264.193(g) which should have "Regional Administrator" replaced by "Board".

(b) Add, following January 12, 1988, in 40 CFR 265.191(a), "or by December 16, 1988 for non-HSWA existing tank systems."

(c) Replace 40 CFR 265.193(a)(2) to (4) with the following corresponding paragraphs:

(1) For all HSWA existing tank systems used to store or treat EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027, within two years after January 12, 1987, or within two years after December 16, 1988 for non-HSWA existing tank systems;

(2) For those HSWA existing tank systems of known and documented age, within two years after January 12, 1987, or within two years after December 16, 1988 for non-HSWA existing tank systems, or when the tank system has reached 15 years of age, whichever comes later;

(3) For those HSWA existing tank systems for which the age cannot be documented, within eight years of January 12, 1987, or within eight years of December 16, 1988 for non-HSWA existing tank systems; but if the age of the facility is greater than seven years, secondary containment shall be provided by the time the facility reaches 15 years of age, or within two years of January 12, 1987, or within two years of December 16, 1988 for non-HSWA existing tank systems, whichever comes later; and

(d) Add, following the last January 12, 1987, in 40 CFR 265-193(a)(5), "or December 16, 1988 for non-HSWA tank systems."

R315-8-11. Surface Impoundments.

11.1 APPLICABILITY

The rules in this section apply to owners and operators of facilities that use surface impoundments to treat, store, or dispose of hazardous waste except as provided otherwise in R315-8-1.1.

11.2 DESIGN AND OPERATING REQUIREMENTS

(a) Any surface impoundment that is not covered by R315-8-11.2(f) or R315-7-18.9 shall have a liner for all portions of the impoundment, except for existing portions of such impoundments. The liner shall be designed, constructed, and installed to prevent any migration of wastes out of the impoundment to the adjacent subsurface soil or groundwater or surface water at any time during the active life, including the closure period, of the impoundment. The liner may be constructed of materials that may allow wastes to migrate into the liner, but not into the adjacent subsurface soil or groundwater or surface water, during the active life of the facility, provided that the impoundment is closed in accordance with R315-8-11.9(a)(1). For impoundments that will be closed in accordance with R315-8-11.5(a)(2), the liner shall be constructed of materials that can prevent wastes from migrating into the liner during the active life of the facility. The liner shall be:

(1) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients, including static head and external hydrogeologic forces, physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation;

(2) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression, or uplift; and

(3) Installed to cover all surrounding earth likely to be in contact with the waste or leachate.

(b) The owner or operator will be exempted from the requirements of R315-8-11.2(a) if the Executive Secretary finds,

based on a demonstration by the owner or operator, that alternate design and operating practices, together with location characteristics, will prevent the migration of any hazardous constituents, see R315-8-6.4, into the groundwater or surface water at any future time. In deciding whether to grant an exemption, the Executive Secretary will consider:

(1) The nature and quantity of the wastes;

(2) The proposed alternate design and operation;

(3) The hydrogeologic setting of the facility, including the attenuative capacity and thickness of the liners and soils present between the impoundment and groundwater or surface water; and

(4) All other factors which would influence the quality and mobility of the leachate produced and the potential for it to migrate to groundwater or surface water.

(c) The owner or operator of each new surface impoundment unit on which construction commences after January 29, 1992, each lateral expansion of a surface impoundment unit on which construction commences after July 29, 1992 and each replacement of an existing surface impoundment unit that is to commence reuse after July 29, 1992 shall install two or more liners and a leachate collection and removal system between such liners. "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, under "existing facility".

(1)(i) The liner system shall include:

(A) A top liner designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

(B) A composite bottom liner, consisting of at least two components. The upper component shall be designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component shall be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component shall be constructed of at least three feet, 91 cm, of compacted soil material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec.

(ii) The liners shall comply with R315-8-11.2(a)(1)-(3).

(2) The leachate collection and removal system between the liners, and immediately above the bottom composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system. This leak detection system shall be capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a leak detection system in this paragraph are satisfied by installation of a system that is, at a minimum:

(i) Constructed with a bottom slope of one percent or more;

(ii) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-1} cm/sec or more and a thickness of 12 inches, 30.5 cm, or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-4} m^2sec or more;

(iii) Constructed of materials that are chemically resistant to the waste managed in the surface impoundment and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes and any waste cover materials or equipment used at the surface impoundment;

(iv) Designed and operated to minimize clogging during the active life and post-closure care period; and

(v) Constructed with sumps and liquid removal methods, e.g., pumps, of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage layer. Each unit shall have its own sump(s). The design of each sump and removal system shall provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.

(3) The owner or operator shall collect and remove pumpable liquids in the sumps to minimize the head on the bottom liner.

(4) The owner or operator of a leak detection system that is not located completely above the seasonal high water table shall demonstrate that the operation of the leak detection system will not be adversely affected by the presence of ground water.

(d) The Executive Secretary may approve alternative design or operating practices to those specified in R315-8-11.2(c) if the owner or operator demonstrates to the Executive Secretary that such design and operating practices, together with location characteristics:

(1) Will prevent the migration of any hazardous constituent into the groundwater or surface water at least as effectively as the liners and leachate collection and removal system specified in R315-8-11.2(c); and

(2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.

(e) The double liner requirement set forth in R315-8-11.2(f) may be waived by the Executive Secretary for any monofill, if:

(1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and the wastes do not contain constituents which would render the wastes hazardous for reasons other than the EP toxicity characteristics, and

(2)(i)(A) The monofill has at least one liner for which there is no evidence that the liner is leaking. For the purposes of this paragraph, the term "liner" means a liner designed, constructed, installed and operated to prevent hazardous waste from passing into the liner at any time during the active life of the facility, or a liner designed, constructed, installed, and operated to prevent hazardous waste from migrating beyond the liner to adjacent subsurface soil, groundwater, or surface water at any time during the active life of the facility. In the case of any surface impoundment which has been exempted from the requirements of R315-8-11.2(c) on the basis of a liner designed, constructed, installed, and operated to prevent hazardous waste from passing beyond the liner, at the closure of the impoundment, the owner or operator shall remove or decontaminate all waste residues, all contaminated liner material, and contaminated soil to the extent practicable given the specific site conditions and the nature and extent of contamination. If all contaminated soil is not removed or

decontaminated, the owner or operator of the impoundment will comply with appropriate post-closure requirements, including but not limited to groundwater monitoring and corrective action:

(B) The monofill is located more than one-quarter mile from an underground source of drinking water, as that term is defined in 40 CFR 144.3; and

(C) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with a permit; or

(ii) The owner or operator demonstrates that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

(f) The owner or operator of any replacement surface impoundment unit is exempt from R315-8-11.2(c) if:

(1) The existing unit was constructed in compliance with the design standards of sections 3004 (o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act; and

(2) There is no reason to believe that the liner is not functioning as designed.

(g) A surface impoundment shall be designed, constructed, maintained, and operated to prevent overtopping resulting from normal or abnormal operations; overfilling; wind and wave action; rainfall; run-on; malfunctions of level controllers, alarms, and other equipment; and human error.

(h) A surface impoundment shall have dikes that are designed, constructed, and maintained with sufficient structural integrity to prevent massive failure to the dikes. In ensuring structural integrity, it shall not be presumed that the liner system will function without leakage during the active life of the unit.

(i) The Executive Secretary will specify in the permit all design and operating practices that are necessary to ensure that the requirements of this section are satisfied.

11.3 MONITORING AND INSPECTION

(a) During construction and installation, liners, except in the case of existing portions of surface impoundments exempt from R315-8-11.2(a), and cover systems, e.g., membranes, sheets, or coatings, shall be inspected for uniformity, damage, and imperfections (e.g., holes, cracks, thin spots, or foreign materials). Immediately after construction or installation:

(1) Synthetic liners and covers shall be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters; and

(2) Soil-based and admixed liners and covers shall be inspected for imperfections including lenses, cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

(b) While a surface impoundment is in operation, it shall be inspected weekly and after storms to detect evidence of any of the following:

(1) Deterioration, malfunctions, or improper operation of overtopping control systems;

(2) Sudden drops in the level of the impoundment's contents; and

(3) Severe erosion or other signs of deterioration in dikes or other containment devices.

(c) Prior to the issuance of a permit and after any extended period of time, at least six months, during which the impoundment was not in service, the owner or operator shall obtain a certification from a qualified engineer that the impoundment's dike, including that portion of any dike which provides freeboard, has structural integrity. The certification shall establish, in particular, that the dike:

(1) Will withstand the stress of the pressure exerted by the types and amounts of wastes to be placed in the impoundment; and

(2) Will not fail due to scouring or piping, without dependence on any liner system included in the surface impoundment construction.

(d)(1) An owner or operator required to have a leak detection system under R315-8-11.2(c) or (d) shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

(2) After the final cover is installed, the amount of liquids removed from each leak detection system sump shall be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps shall be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps shall be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

(3) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Executive Secretary based on pump activation level, sump dimensions, and level that avoids backup into the drainage layer and minimizes head in the sump.

11.4 EMERGENCY REPAIRS; CONTINGENCY PLANS

(a) A surface impoundment shall be removed from service in accordance with R315-8-11.4(b) when:

(1) The level of liquids in the impoundment suddenly drops and the drop is not known to be caused by changes in the flows into or out of the impoundment; or

(2) The dike leaks.

(b) When a surface impoundment shall be removed from service as required by R315-8-11.4(a), the owner or operator shall:

(1) Immediately shut off the flow or stop the addition of wastes into the impoundment;

(2) Immediately contain any surface leakage which has occurred or is occurring;

(3) Immediately stop the leak;

(4) Take any necessary steps to stop or prevent catastrophic failure;

(5) If a leak cannot be stopped by any other means, empty the impoundment; and

(6) Notify the Executive Secretary of the problem in writing within seven days after detecting the problem.

(c) As part of the contingency plan required in R315-8-4, the owner or operator shall specify a procedure for complying with the requirements of R315-8-11.4(b).

(d) No surface impoundment that has been removed from service in accordance with the requirements of this section may be restored to service unless the portion of the impoundment which was failing is repaired and the following steps are taken:

(1) If the impoundment was removed from service as the result of actual or imminent dike failure, the dike's structural integrity shall be recertified in accordance with R315-8-11.3(c).

(2) If the impoundment was removed from service as the result of a sudden drop in the liquid level, then:

(i) For any existing portion of the impoundment, a liner shall be installed in compliance with R315-8-11.2(a), and

(ii) For any other portion of the impoundment, the repaired liner system shall be certified by a qualified engineer as meeting the design specifications approved in the permit.

(e) A surface impoundment that has been removed from service in accordance with the requirements in this section and that is not being repaired shall be closed in accordance with the provisions of R315-8-11.5.

11.5 CLOSURE AND POST-CLOSURE CARE

(a) At closure, the owner or operator shall:

(1) Remove or decontaminate all waste residues, contaminated containment system components, liners, etc., contaminated subsoils, and structures and equipment contaminated with waste and leachate, and manage them as hazardous wastes unless R315-2-3(d) applies; or

(2)(i) Eliminate free liquids by removing liquid wastes or solidifying the remaining wastes and waste residues;

(ii) Stabilize remaining wastes to a bearing capacity sufficient to support final cover; and

(iii) Cover the surface impoundment with a final cover designed and constructed to:

(A) Provide long-term minimization of the migration of liquids through the closed impoundment;

(B) Function with minimum maintenance;

(C) Promote drainage and minimize erosion or abrasion of the final cover;

(D) Accommodate settling and subsidence so that the cover's integrity is maintained; and

(E) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

(b) If some waste residues or contaminated materials are left in place at final closure, the owner or operator shall comply with all post-closure requirements contained in R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, including maintenance and monitoring throughout the post-closure care period, specified in the permit under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120. The owner or operator shall:

(1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cap as necessary to correct the effects of settling, subsidence, erosion, or other events;

(2) Maintain and monitor the leak detection system in accordance with R315-8-11.2(c)(2)(iv) and (3) and R315-8-11.3(d), and comply with all other applicable leak detection system requirements of this part;

(3) Maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of R315-8-6; and

(4) Prevent run-on and run-off from eroding or otherwise damaging the final cover.

(c)(1) If an owner or operator plans to close a surface impoundment in accordance with R315-8-11.5(a)(1), and the impoundment does not comply with the liner requirements of R315-8-11.2(a) and is not exempt from them in accordance with R315-8-11.2(b), then:

(i) The closure plan for the impoundment under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, shall include both a plan for complying with R315-8-11.5(a)(1) and a contingent plan for complying with R315-8-11.5(a)(2) in case not all contaminated subsoils can be practicably removed at closure; and

(ii) The owner or operator shall prepare a contingent post-closure plan under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, for complying with R315-8-11.5(b) in case not all contaminated subsoils can be practicably removed at closure.

(2) The cost estimates calculated under R315-8-8, which incorporates by reference 40 CFR 264.140 - 264.151, for closure and post-closure care of an impoundment subject to this paragraph shall include the cost of complying with the contingent closure plan and the contingent post-closure plan, but are not required to include the cost of expected closure under R315-8-11.5(a)(1).

11.6 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

Ignitable or reactive waste shall not be placed in a surface impoundment unless the waste and impoundment satisfy all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, R315-50-12, which incorporates by reference 40 CFR 268 Appendix I, and R315-50-13, which incorporates by reference 40 CFR 268 Appendix II, and:

(a) The waste is treated, rendered, or mixed before or immediately after placement in the impoundment so that:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) and (f), and

(2) R315-8-2.8(b) is complied with; or

(b) The waste is managed in a way that it is protected from any material or conditions which may cause it to ignite or react; or

(c) The surface impoundment is used solely for emergencies.

11.7 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

Incompatible wastes, or incompatible wastes and materials, see 40 CFR 264, Appendix V for examples, shall not be placed in the same surface impoundment, unless R315-8-2.8(b) is complied with.

11.8 SPECIAL REQUIREMENTS FOR HAZARDOUS WASTE F020, F021, F022, F023, F026, AND F027

(a) Hazardous Wastes F020, F021, F022, F023, F026, and F027 shall not be placed in a surface impoundment unless the owner or operator operates the surface impoundment in accordance with a management plan for these wastes that is approved by the Executive Secretary pursuant to the standards set out in this paragraph, and in accord with all other applicable

requirements of these rules. The factors to be considered are:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere:

(2) The attenuative properties of underlaying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(b) The Executive Secretary may determine that additional design, operating, and monitoring requirements are necessary for surface impoundments managing hazardous wastes F020, F021, F022, F023, F026, and F027 in order to reduce the possibility of migration of these wastes to groundwater, surface water, or air so as to protect human health and the environment.

11.9 ACTION LEAKAGE RATE

(a) The Executive Secretary shall approve an action leakage rate for surface impoundment units subject to R315-8-11.2(c) or (d). The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under R315-8-11.3(d) to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period, and if the unit is closed in accordance with R315-8-11.5(b), monthly during the post-closure care period when monthly monitoring is required under R315-8-11.3(d).

11.10 RESPONSE ACTIONS

(a) The owner or operator of surface impoundment units subject to R315-8-11.2(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan shall describe the actions specified in R315-8-11.10(b).

(b) If the flow rate into the leak detection system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedance within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit should be closed;

(5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-8-11.10(b)(3)-(5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator shall submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and remediation determinations in R315-8-11.10(b)(3)-(5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source;

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

11.11 AIR EMISSION STANDARDS

The owner or operator shall manage all hazardous waste placed in a surface impoundment in accordance with the applicable requirements of R315-8-18, which incorporates by reference 40 CFR subpart BB, and R315-8-22, which incorporates by reference 40 CFR subpart CC.

R315-8-12. Waste Piles.

12.1 APPLICABILITY

(a) The rules in this section apply to owners and operators of facilities that store or treat hazardous waste in piles, except as provided otherwise in R315-8-1.1.

(b) The rules in this section do not apply to owners or operators of waste piles that are closed with wastes left in place. These waste piles are subject to the rules under R315-8-14, Landfills.

(c) The owner or operator of any waste pile that is inside or under a structure that provides protection from precipitation so that neither run-off nor leachate is generated is not subject to regulation under R315-8-12.2 or R315-8-6, provided that:

(1) Liquids or materials containing free liquids are not placed in the pile;

(2) The pile is protected from surface water run-on or groundwater run-on by the structure or in some other manner;

(3) The pile is designed and operated to control dispersal of the waste by wind, where necessary, by means other than wetting; and

(4) The pile will not generate leachate through decomposition or other reactions.

12.2 DESIGN AND OPERATING REQUIREMENTS

(a) A waste pile, except for an existing portion of a waste pile, shall have:

(1) A liner that is designed, constructed, and installed to prevent any migration of wastes out of the pile into the adjacent subsurface soil or groundwater or surface water at any time during the active life, including the closure period, of the waste pile. The liner may be constructed of materials that may allow waste to migrate into the liner itself, but not into the adjacent subsurface soil or groundwater or surface water, during the active life of the facility. The liner shall be:

(i) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients, including static head and external hydrogeologic forces, physical contact with waste or leachate to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation;

(ii) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression, or uplift; and

(iii) Installed to cover all surrounding earth likely to be in contact with the waste or leachate; and

(2) A leachate collection and removal system immediately above the liner that is designed, constructed, maintained, and operated to collect and remove leachate from the pile. The Executive Secretary will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm, one foot. The leachate collection and removal system shall be:

(i) Constructed of materials that are:

(A) Chemically resistant to the waste managed in the pile and the leachate expected to be generated; and

(B) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying wastes, waste cover materials, and by any equipment used at the pile; and

(ii) Designed and operated to function without clogging through the scheduled closure of the waste pile.

(b) The owner or operator will be exempted from the requirements of R315-8-12.2(a) if the Executive Secretary finds, based on a demonstration by the owner or operator, that alternate design and operating practices, together with location characteristics, will prevent the migration of any hazardous constituents, see R315-8-6.4, into the groundwater or surface water at any future time. In deciding whether to grant an exemption, the Executive Secretary will consider:

(1) The nature and quantity of the wastes;

(2) The proposed alternate design and operation;

(3) The hydrogeologic setting of the facility, including attenuative capacity and thickness of the liners and soils present between the pile and groundwater or surface water; and

(4) All other factors which would influence the quality and mobility of the leachate produced and the potential for it to migrate to groundwater or surface water.

(c) The owner or operator of each new waste pile unit on which construction commences after January 29, 1992, each lateral expansion of a waste pile unit on which construction commences after July 29, 1992, and each replacement of an existing waste pile unit that is to commence reuse after July 29, 1992 shall install two or more liners and a leachate collection and removal system above and between such liners. "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10 under "existing facility".

(1)(i) The liner system shall include:

(A) A top liner designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

(B) A composite bottom liner, consisting of at least two components. The upper component shall be designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component shall be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component shall be constructed of at least three feet, 91 cm, of compacted soil material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec.

(ii) The liners shall comply with R315-8-12.2(a)(1)(i), (ii), and (iii).

(2) The leachate collection and removal system immediately above the top liner shall be designed, constructed, operated, and maintained to collect and remove leachate from the waste pile during the active life and post-closure care period. The Executive Secretary will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm, one foot. The leachate collection and removal system shall comply with R315-8-12.2(c)(3)(iii) and (iv).

(3) The leachate collection and removal system between the liners, and immediately above the bottom composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system. This leak detection system shall be capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a leak detection system in this paragraph are satisfied by installation of a system that is, at a minimum:

(i) Constructed with a bottom slope of one percent or more;

(ii) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches, 30.5 cm, or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-5} m^2/sec or more:

(iii) Constructed of materials that are chemically resistant to the waste managed in the waste pile and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials, and equipment used at the waste pile;

(iv) Designed and operated to minimize clogging during the active life and post-closure care period; and

(v) Constructed with sumps and liquid removal methods, e.g., pumps, of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage

layer. Each unit shall have its own sump(s). The design of each sump and removal system shall provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.

(4) The owner or operator shall collect and remove pumpable liquids in the leak detection system sumps to minimize the head on the bottom liner.

(5) The owner or operator of a leak detection system that is not located completely above the seasonal high water table shall demonstrate that the operation of the leak detection system will not be adversely affected by the presence of groundwater.

(d) The Executive Secretary may approve alternative design or operating practices to those specified in R315-8-12.2(c) if the owner or operator demonstrates to the Executive Secretary that such design and operating practices, together with location characteristics:

(1) Will prevent the migration of any hazardous constituent into the ground water or surface water at least as effectively as the liners and leachate collection and removal systems specified in R315-8-12.2(c); and

(2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.

(e) R315-8-12.2(c) does not apply to monofills that are granted a waiver by the Executive Secretary in accordance with R315-8-11.2(h).

(f) The owner or operator of any replacement waste pile unit is exempt from R315-8-12.2(c) if:

(1) The existing unit was constructed in compliance with the design standards of section 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act; and

(2) There is no reason to believe that the liner is not functioning as designed.

(g) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portion of the pile during peak discharge from at least a 25-year storm.

(h) The owner or operator shall design, construct, operate, and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

(i) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

(j) If the pile contains any particulate matter which may be subject to wind dispersal, the owner or operator shall cover or otherwise manage the pile to control wind dispersal.

(k) The Executive Secretary will specify in the permit all design and operating practices that are necessary to ensure that the requirements of this section are satisfied.

12.3 MONITORING AND INSPECTION

(a) During construction or installation, liners, except in the case of existing portions of piles exempt from R315-8-12.2(a), and cover systems, e.g., membranes, sheets, or coatings, shall be inspected for uniformity, damage, and imperfections, e.g., holes, cracks, thin spots, or foreign materials. Immediately after construction or installation:

(1) Synthetic liners and covers shall be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters; and

(2) Soil-based and admixed liners and covers shall be inspected for imperfections including lenses, cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

(b) While a waste pile is in operation, it shall be inspected weekly and after storms to detect evidence of any of the following:

(1) Deterioration, malfunctions, or improper operation of run-on and run-off control systems;

(2) Proper functioning of wind dispersal control systems, where present; and

(3) The presence of leachate in and proper functioning of leachate collection and removal systems, where present.

(c) An owner or operator required to have a leak detection system under R315-8-12.2(c) shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

12.4 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

Ignitable or reactive waste shall not be placed in a waste pile unless the waste and waste pile satisfy all applicable requirements of R315-13, which incorporates by reference 40 CFR 268, R315-50-12, which incorporates by reference 40 CFR 268 Appendix I, and R315-50-13, which incorporates by reference 40 CFR 268 Appendix II, and:

(a) The waste is treated, rendered, or mixed before or immediately after placement in the pile so that:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) or (f); and

(2) R315-8-2.8(b) is complied with; or

(b) The waste is managed in a way that it is protected from any material or condition which may cause it to ignite or react.

12.5 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

(a) Incompatible wastes, or incompatible wastes and materials shall not be placed in the same pile, unless R315-8-2.8(b) is complied with.

(b) A pile of hazardous waste that is incompatible with any waste or other material stored nearby in containers, other piles, open tanks, or surface impoundments shall be separated from the other materials, or protected from them by means of a dike, berm, wall, or other device.

(c) Hazardous waste shall not be piled on the same base where incompatible wastes or materials were previously piled, unless the base has been decontaminated sufficiently to ensure compliance with R315-8-2.8(b).

12.6 CLOSURE AND POST-CLOSURE CARE

(a) At closure, the owner or operator shall remove or decontaminate all waste residues, contaminated containment system compoundments, liners, etc., contaminated subsoils, and structures and equipment contaminated with waste and leachate, and manage them as hazardous waste unless R315-2-3(d) applies.

(b) If, after removing or decontaminating all residues and making all reasonable efforts to effect removal or decontamination of contaminated components, subsoils, structures, and equipment as required in R315-8-12.6(a), the

owner or operator finds that not all contaminated subsoils can be practicably removed or decontaminated, he shall close the facility and perform post-closure care in accordance with the closure and post-closure care requirements that apply to landfills, R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120.

(c)(1) The owner or operator of a waste pile that does not comply with the liner requirements of R315-8-12.2(a)(1), and is not exempt from them in accordance with R315-8-12.1(c) or R315-8-12.2(b) shall:

(i) Include in the closure plan for the pile under R315-8-7.3 both a plan for complying with R315-8-12.6(a) and a contingent plan for complying with R315-8-12.6(b) in case not all contaminated subsoils can be practicably removed at closure; and

(ii) Prepare a contingent post-closure plan under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, for complying with R315-8-12.6(b) in case not all contaminated subsoils can be practicably removed at closure.

(2) The cost estimates calculated under R315-8-8, which incorporates by reference 40 CFR 264.140 - 264.151, for closure and post-closure care of a pile subject to this paragraph shall include the cost of complying with the contingent closure plan and the contingent post-closure plan, but are not required to include the cost of expected closure under R315-8-12.6(a).

12.7 SPECIAL REQUIREMENTS FOR HAZARDOUS WASTES F020, F021, F022, F023, F026, AND F027

(a) Hazardous Wastes F020, F021, F022, F023, F026 and F027 shall not be placed in waste piles that are not enclosed, as defined in R315-8-12.1(c), unless the owner or operator operates the waste pile in accordance with a management plan for these wastes that is approved by the Executive Secretary pursuant to the standards set out in this paragraph, and in accord with all other applicable requirements of these rules. The factors to be considered are:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere:

(2) The attenuative properties of underlaying and surrounding soils or other materials:

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(b) The Executive Secretary may determine that additional design, operating, and monitoring requirements are necessary for piles managing hazardous wastes F020, F021, F022, F023, F026, and F027 in order to reduce the possibility of migration of these wastes to groundwater, surface water, or air so as to protect human health and the environment.

12.8 ACTION LEAKAGE RATE

(a) The Executive Secretary shall approve an action leakage rate for surface impoundment units subject to R315-8-12.2(c) or (d). The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly flow rate from the monitoring data obtained under R315-8-12.3(c), to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period.

12.9 RESPONSE ACTIONS

(a) The owner or operator of waste pile units subject to R315-8-12.2(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan shall describe the actions specified in R315-8-12.9(b).

(b) If the flow rate into the leak detection system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedance within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit should be closed;

(5) Determine any other short-term and long-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-8-12.9(b)(3), (4), and (5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator shall submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and/or remediation determinations in R315-8-12.9(b)(3), (4), and (5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source;

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

R315-8-13. Land Treatment.

13.1 APPLICABILITY

The rules in this section apply to owners and operators of facilities that treat or dispose of hazardous waste in land treatment units, except as provided otherwise in R315-8-1.1.

13.2 TREATMENT PROGRAM

(a) An owner or operator subject to this section shall establish a land treatment program that is designed to ensure that hazardous constituents placed in or on the treatment zone are degraded, transformed, or immobilized within the treatment zone. The Executive Secretary will specify in the facility permit the elements of the treatment program, including:

(1) The wastes that are capable of being treated at the unit based on demonstration under R315-8-13.3;

(2) Design measures and operating practices necessary to maximize the success of degradation, transformation, and immobilization processes in the treatment zone in accordance with R315-8-13.4(a); and

(3) Unsaturated zone monitoring provisions meeting the requirements of R315-8-13.6.

(b) The Executive Secretary will specify in the facility permit the hazardous constituents that shall be degraded, transformed, or immobilized under this section. Hazardous constituents are constituents identified in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, that are reasonably expected to be in, or derived from, waste placed in or on the treatment zone.

(c) The Executive Secretary will specify the vertical and horizontal dimensions of the treatment zone in the facility permit. The treatment zone is the portion of the unsaturated zone below and including the land surface in which the owner or operator intends to maintain the conditions necessary for effective degradation, transformation, or immobilization of hazardous constituents. The maximum depth of the treatment zone shall be:

(1) No more than 1.5 meters, five feet, from the initial soil surface; and

(2) More than 1 meter, three feet, above the seasonal high water table.

13.3 TREATMENT DEMONSTRATION

(a) For each waste that will be applied to the treatment zone, the owner or operator shall demonstrate, prior to application of the waste, that hazardous constituents in the waste can be completely degraded, transformed, or immobilized in the treatment zone.

(b) In making this demonstration, the owner or operator may use field tests, laboratory analyses, available data, or, in the case of existing units, operating data. If the owner or operator intends to conduct field tests or laboratory analyses in order to make the demonstration required under R315-8-13.3(a), he shall obtain a treatment or disposal permit under R315-3-6.4. The Executive Secretary will specify in this plan the testing, analytical, design, and operating requirements, including the duration of the tests, the horizontal and vertical dimensions of the treatment zone, monitoring procedures, closure and clean-up activities necessary to meet the requirements in R315-8-13.3(c).

(c) Any field test or laboratory analysis conducted in order to make a demonstration under R315-8-13.3(a) shall:

(1) Accurately simulate the characteristics and operating conditions for the proposed land treatment unit including:

(i) The characteristics of the waste, including the presence of R315-50-10 constituents, which incorporates by reference 40 CFR 261, Appendix VIII;

(ii) The climate in the area;

(iii) The topography of the surrounding area;

(iv) The characteristics of the soil in the treatment zone, including depth; and

(v) The operating practices to be used at the unit.

(2) Be able to show that hazardous constituents in the waste to be tested will be completely degraded, transformed, or immobilized in the treatment zone of the proposed land treatment unit; and

(3) Be conducted in a manner that protects human health and the environment considering;

(i) The characteristics of the waste to be tested;

(ii) The operating and monitoring measures taken during the course of the test;

(iii) The duration of the test;

(iv) The volume of the waste used in the test;

(v) In the case of field tests, the potential for migration of hazardous constituents to groundwater or surface water.

13.4 DESIGN AND OPERATING REQUIREMENTS

The Executive Secretary will specify in the facility permit how the owner or operator will design, construct, operate, and maintain the land treatment unit in compliance with this section.

(a) The owner or operator shall design, construct, operate, and maintain the unit to maximize the degradation, transformation, and immobilization of hazardous constituents in the treatment zone. The owner or operator shall design, construct, operate, and maintain the unit in accord with all design and operating conditions that were used in the treatment demonstration under R315-8-13.3. At a minimum, the Executive Secretary will specify the following in the facility plan:

(1) The rate and method of waste application to the treatment zone;

(2) Measures to control soil pH;

(3) Measures to enhance microbial or chemical reactions, e.g., fertilization, tilling; and

(4) Measures to control the moisture content of the treatment zone.

(b) The owner or operator shall design, construct, operate, and maintain the treatment zone to minimize run-off of hazardous constituents during the active life of the land treatment unit.

(c) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the treatment zone during peak discharge from at least a 25-year storm.

(d) The owner or operator shall design, construct, operate, and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

(e) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously after storms to maintain the design capacity of the system.

(f) If the treatment zone contains particulate matter which

may be subject to wind dispersal, the owner or operator shall manage the unit to control wind dispersal.

(g) The owner or operator shall inspect the unit weekly and after storms to detect evidence of:

(1) Deterioration, malfunctions, or improper operation of run-on and run-off control systems; and

(2) Improper functioning of wind dispersal control measures.

13.5 FOOD-CHAIN CROPS

The Executive Secretary may allow the growth of food-chain crops in or on the treatment zone only if the owner or operator satisfies the conditions of this section. The Executive Secretary will specify in the facility plan the specific food-chain crops which may be grown.

(a)(1) The owner or operator shall demonstrate that there is no substantial risk to human health caused by the growth of the crops in or on the treatment zone by demonstrating, prior to the planting of the crops, that hazardous constituents other than cadmium:

(i) Will not be transferred to the food or feed portions of the crop by plant uptake or direct contact, and will not otherwise be ingested by food-chain animals, e.g., by grazing; or

(ii) Will not occur in greater concentrations in or on the food or feed portions of crops grown on the treatment zone than in or on identical portions of the same crops grown on untreated soils under similar conditions in the same region.

(2) The owner or operator shall make the demonstration required under this paragraph prior to the planting of crops at the facility for all constituents identified in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, that are reasonably expected to be in, or derived from, waste placed in or on the treatment zone.

(3) In making a demonstration under this paragraph, the owner or operator may use field tests, greenhouse studies, available data, or, in the case of existing units, operating data, and shall:

(i) Base the demonstration on conditions similar to those present in the treatment zone, including soil characteristics, e.g., pH, cation exchange capacity, specific wastes, application rates, application methods, and crops to be grown; and

(ii) Describe the procedures used in conducting any tests, including the sample selection criteria, sample size, analytical methods, and statistical procedures.

(4) If the owner or operator intends to conduct field tests or greenhouse studies in order to make the demonstration required under this paragraph, he shall obtain a permit for conducting these activities.

(b) The owner or operator shall comply with the following conditions if cadmium is contained in wastes applied to the treatment zone:

(1)(i) The pH of the waste and soil mixture shall be 6.5 or greater at the time of each waste application, except for waste containing cadmium at concentrations of two mg/kg, dry weight, or less;

(ii) The annual application of cadmium from waste shall not exceed 0.5 kilograms per hectare, kg/ha, on land used for production of tobacco, leafy vegetables, or root crops grown for human consumption. For other food-chain crops, and annual cadmium application rate shall not exceed:

TABLE

Time Period	Annual Cd Application Rate (kilograms per hectare)
Present to June 30, 1984	2.0
July 1, 1984 to December 31, 1986	1.25
Beginning January 1, 1987	0.5

(iii) The cumulative application of cadmium from waste shall not exceed five kg/ha if the waste and soil mixture has a pH less than 6.5; and

(iv) If the waste and soil mixture has a pH of 6.5 or greater or is maintained at a pH of 6.5 or greater during crop growth, the cumulative application of cadmium from waste shall not exceed: five kg/ha if soil cation exchange capacity (CEC) is less than five meq/100g; 10 kg/ha if soil CEC is 5-15 meq/100g; and 20 kg/ha if soil CEC is greater than 15 meq/100g; or

(2)(i) Animal feed shall be the only food-chain crop produced;

(ii) The pH of the waste and soil mixture shall be 6.5 or greater at the time of waste application or at the time the crop is planted, whichever occurs later, and this pH level shall be maintained whenever food-chain crops are grown;

(iii) There shall be an operating plan which demonstrates how the animal feed will be distributed to preclude ingestion by humans. The operating plan shall describe the measures to be taken to safeguard against possible health hazards from cadmium entering the food-chain, which may result from alternative land uses; and

(iv) Future property owners shall be notified by a stipulation in the land record or property deed which states that the property has received waste at high cadmium application rates and that food-chain crops shall not be grown except in compliance with R315-8-13.5(b)(2).

13.6 UNSATURATED ZONE MONITORING

An owner or operator subject to this section shall establish an unsaturated zone monitoring program to discharge the following responsibilities:

(a) The owner or operator shall monitor the soil and soil-pore liquid to determine whether hazardous constituents migrate out of the treatment zone.

(1) The Executive Secretary will specify the hazardous constituents to be monitored in the facility plan. The hazardous constituents to be monitored are those specified under R315-8-13.2(b).

(2) The Executive Secretary may require monitoring for principal hazardous constituents (PHCs) in lieu of the constituents specified under R315-8-13.2(b). PHCs are hazardous constituents contained in the wastes to be applied to the unit that are the most difficult to treat, considering the combined effects of degradation, transformation, and immobilization. The Board will establish PHCs if they find, based on the waste analyses, treatment demonstrations, or other data, that effective degradation, transformation, or immobilization of the PHCs will assure treatment to at least equivalent levels for the other hazardous constituents in the waste.

(b) The owner or operator shall install an unsaturated zone monitoring system that includes soil monitoring using soil cores and soil-pore liquid monitoring using devices such as

lysimeters. The unsaturated zone monitoring system shall consist of a sufficient number of sampling points at appropriate locations and depths to yield samples that;

(1) Represent the quality of background soil-pore liquid and the chemical make-up of soil that has not been affected by leakage from the treatment zone; and

(2) Indicate the quality of soil-pore liquid and the chemical make-up of the soil below the treatment zone.

(c) The owner or operator shall establish a background value for each hazardous constituent to be monitored under R315-8-13.6(a). The permit will specify the background values for each constituent or specify the procedures to be used to calculate the background values.

(1) Background soil values may be based on a one-time sampling at a background plot having characteristics similar to those of the treatment zone.

(2) Background soil-pore liquid values shall be based on at least quarterly sampling for one year at a background plot having characteristics similar to those of the treatment zone.

(3) The owner or operator shall express all background values in a form necessary for the determination of statistically significant increases under R315-8-13.6(f).

(4) In taking samples used in the determination of all background values, the owner or operator shall use an unsaturated zone monitoring system that complies with R315-8-13.6(b)(1).

(d) The owner or operator shall conduct soil monitoring and soil-pore liquid monitoring immediately below the treatment zone. The Executive Secretary will specify the frequency and timing of soil and soil-pore liquid monitoring in the facility permit after considering the frequency, timing, and rate of waste application, and the soil permeability. The owner or operator shall express the results of soil and soil-pore liquid monitoring in a form necessary for the determination of statistically significant increases under R315-8-13.6(f).

(e) The owner or operator shall use consistent sampling and analysis procedures that are designed to ensure sampling results that provide a reliable indication of soil-pore liquid quality and the chemical make-up of the soil below the treatment zone. At a minimum, the owner or operator shall implement procedures and techniques for:

(1) Sample collection;

(2) Sample preservation and shipment;

(3) Analytical procedures; and

(4) Chain of custody control.

(f) The owner or operator shall determine whether there is a statistically significant change over background values for any hazardous constituent to be monitored under R315-8-13.6(a) below the treatment zone each time he conducts soil monitoring and soil-pore liquid monitoring under R315-8-13.6(d).

(1) In determining whether a statistically significant increase has occurred, the owner or operator shall compare the value of each constituent, as determined under R315-8-13.6(d), to the background value for that constituent according to the statistical procedure specified in the facility plan under this paragraph.

(2) The owner or operator shall determine whether there has been a statistically significant increase below the treatment zone within a reasonable time period after completion of sampling. The Executive Secretary will specify that time period in the facility plan after considering the complexity of the statistical test and the availability of laboratory facilities to perform the analysis of soil and soil-pore liquid samples.

(3) The owner or operator shall determine whether there is a statistically significant increase below the treatment zone using a statistical procedure that provides reasonable confidence that migration from the treatment zone will be identified. The Executive Secretary will specify a statistical procedure in the facility plan that he finds:

(i) Is appropriate for the distribution of the data used to establish background values; and

(ii) Provides a reasonable balance between the probability of falsely identifying migration from the treatment zone and the probability of failing to identify real migration from the treatment zone.

(g) If the owner or operator determines, pursuant to R315-8-13.6(f), that there is a statistically significant increase of hazardous constituents below the treatment zone he shall:

(1) Notify the Board of this finding in writing within seven days. The notification shall indicate what constituents have shown statistically significant increases.

(2) Within 90 days, submit to the Executive Secretary an application for permit modification to modify the operating practices at the facility in order to maximize the success of degradation, transformation, or immobilization processes in the treatment zone.

(h) If the owner or operator determines, pursuant to R315-8-13.6(f), that there is a statistically significant increase of hazardous constituents below the treatment zone, he may demonstrate that a source other than regulated units caused the increase or that the increase resulted from an error in sampling, analysis or evaluation. While the owner or operator may make a demonstration under this paragraph in addition to, or in lieu of, submitting a permit modification application under R315-8-13.6(g)(2), he is not relieved of the requirement to submit a plan modification application within the time specified in R315-8-13.6(g)(2) unless the demonstration made under this paragraph successfully shows that a source other than regulated units caused the increase or that the increase resulted from an error in sampling, analysis, or evaluation. In making a demonstration under this paragraph, the owner or operator shall:

(1) Notify the Board or its duly authorized representative in writing within seven days of determining a statistically significant increase below the treatment zone that he intends to make a determination under this paragraph;

(2) Within 90 days, submit a report to the Board demonstrating that a source other than the regulated units caused the increase or that the increase resulted from error in sampling, analysis, or evaluation;

(3) Within 90 days, submit to the Executive Secretary an application for a permit modification to make any appropriate changes to the unsaturated zone monitoring program at the facility; and

(4) Continue to monitor in accordance with the unsaturated zone monitoring program established under this section.

13.7 RECORDKEEPING

The owner or operator shall include hazardous waste

application dates, rates, and amounts in the operating record required under R315-8-5.3, which incorporates by reference 40 CFR 264.73.

13.8 CLOSURE AND POST-CLOSURE CARE

(a) During the closure period the owner or operator shall:

(1) Continue all operations, including pH control, necessary to maximize degradation, transformation, or immobilization of hazardous constituents within the treatment zone as required under R315-8-13.4(a), except to the extent such measures are inconsistent with R315-8-13.8(a)(8);

(2) Continue all operations in the treatment zone to minimize run-off of hazardous constituents as required under R315-8-13.4(b);

(3) Maintain the run-on control system required under R315-8-13.4(c);

(4) Maintain the run-off management system required under R315-8-13.4(d);

(5) Control wind dispersal of hazardous waste if required under R315-8-13.4(f);

(6) Continue to comply with any prohibitions or conditions concerning growth of food-chain crops under R315-8-13.5;

(7) Continue unsaturated zone monitoring in compliance with R315-8-13.6 except that soil-pore liquid monitoring may be terminated 90 days after the last application of waste to the treatment zone; and

(8) Establish a vegetative cover on the portion of the facility being closed at a time that the cover will not substantially impede degradation, transformation, or immobilization of hazardous constituents in the treatment zone. The vegetative cover shall be capable of maintaining growth without extensive maintenance.

(b) For the purpose of complying with R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, when closure is completed the owner or operator may submit to the Board certification by an independent qualified soil scientist, in lieu of an independent registered professional engineer, that the facility has been closed in accordance with the specifications in the approved closure plan.

(c) During the post-closure care period the owner or operator shall:

(1) Continue all operations, including pH control necessary to enhance degradation and transformation and sustain immobilization of hazardous constituents in the treatment zone to the extent that these measures are consistent with other post-closure care activities;

(2) Maintain a vegetative cover over closed portions of the facility;

(3) Maintain the run-on control system required under R315-8-13.4(c);

(4) Maintain the run-off management system required under R315-8-13.4(d);

(5) Control wind dispersal of hazardous waste if required under R315-8-13.4(f);

(6) Continue to comply with any prohibitions or conditions concerning growth of food-chain crops under R315-8-13.5; and

(7) Continue unsaturated zone monitoring in compliance with R315-8-13.6, except that soil-pore liquid monitoring may be terminated 90 days after the last application of waste to the treatment zone.

(d) The owner or operator is not subject to regulation under R315-8-13.8(a)(8) and (c) if the Board finds that the level of hazardous constituents in the treatment zone soil does not exceed the background value of those constituents by an amount that is statistically significant when using the test specified in R315-8-13.8(d)(3). The owner or operator may submit such a demonstration to the Board at any time during the closure or post-closure care periods. For the purposes of this paragraph:

(1) The owner or operator shall establish background soil values and determine whether there is a statistically significant increase over those values for all hazardous constituents specified in the facility plan under R315-8-13.2(b).

(i) Background soil values may be based on a one-time sampling of a background plot having characteristics similar to those of the treatment zone.

(ii) The owner or operator shall express background values and values for hazardous constituents in the treatment zone in a form necessary for the determination of statistically significant increases under R315-8-13.8(d)(3).

(2) In taking samples used in the determination of background and treatment zone values, the owner or operator shall take samples at a sufficient number of sampling points and at appropriate locations and depths to yield samples that represent the chemical make-up of soil that has not been affected by leakage from the treatment zone and the soil within the treatment zone, respectively.

(3) In determining whether a statistically significant increase has occurred, the owner or operator shall compare the value of each constituent in the treatment zone to the background value for that constituent using a statistical procedure that provides reasonable confidence that constituent presence in the treatment zone will be identified. The owner or operator shall use a statistical procedure that:

(i) Is appropriate for the distribution of the data used to establish background values; and

(ii) Provides a reasonable balance between the probability of falsely identifying hazardous constituent presence in the treatment zone and the probability of failing to identify real presence in the treatment zone.

(e) The owner or operator is not subject to regulation under section R315-8-6 if the Board finds that the owner or operator satisfies R315-8-13.8(d) and if unsaturated zone monitoring under R315-8-13.6 indicates that hazardous constituents have not migrated beyond the treatment zone during the active life of the land treatment unit.

13.9 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

The owner or operator shall not apply ignitable or reactive waste to the treatment zone unless the waste and the treatment zone meet all applicable requirements of R315-13, R315-50-12, and R315-50-13, which incorporate by reference 40 CFR 268, and:

(a) The waste is immediately incorporated into the soil so that:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) or (f); and

(2) Section R315-8-2.8(b) is complied with; or

(b) The waste is managed in a way that it is protected from any material or conditions which may cause it to ignite or react.

13.10 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

The owner or operator shall not place incompatible wastes, or incompatible wastes and materials, see 40 CFR 264, Appendix V for examples, in or on the same treatment zone, unless R315-8-2.8(b) is complied with.

13.11 SPECIAL REQUIREMENTS FOR HAZARDOUS WASTES F020, F021, F022, F023, F026, F027

(a) Hazardous Wastes F020, F021, F022, F023, F026, and F027 shall not be placed in a land treatment unit unless the owner or operator operates the facility in accordance with a management plan for these wastes that is approved by the Executive Secretary pursuant to the standards set out in this paragraph, and in accord with all other applicable requirements of these rules. The factors to be considered are:

(1) The volume, physical, and chemical characteristics of the wastes including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlaying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(b) The Board may determine that additional design, operating, and monitoring requirements are necessary for land treatment facilities managing hazardous waste F020, F021, F022, F023, F026, and F027 in order to reduce the possibility of migration of these wastes to groundwater, surface water, or air so as to protect human health and the environment.

R315-8-14. Landfills.

14.1 APPLICABILITY

The rules in this section apply to owners and operators of facilities that dispose of hazardous waste in landfills, except as R315-8-1.1 provides otherwise.

14.2 DESIGN AND OPERATING REQUIREMENTS

(a) Any landfill that is not covered by R315-8-14.2(c) or R315-7-21.2(a) shall have a liner system for all portions of the landfill, except for existing portions of the landfill. The liner system shall have:

(1) A liner that is designed, constructed, and installed to prevent any migration of wastes out of the landfill to the adjacent subsurface soil or groundwater or surface water at any time during the active life, including the closure period, of the landfill. The liner shall be constructed of material that prevents wastes from passing into the liner during the active life of the facility. The liner shall be:

(i) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients, including static head and external hydrogeologic forces, physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation;

(ii) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression, or uplift; and

(iii) Installed to cover all surrounding earth likely to be in contact with the waste or leachate; and

(2) A leachate collection and removal system immediately above the liner that is designed, constructed, maintained, and operated to collect and remove leachate from the landfill. The Executive Secretary will specify design and operating conditions in the permit to ensure that the leachate depth at any point on the liner system, does not exceed 30 cm, one foot. The leachate collection and removal system shall be:

(i) Constructed of materials that are:

(A) Chemically resistant to the waste managed in the landfill and the leachate expected to be generated; and

(B) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials, and by any equipment used at the landfill; and

(ii) Designed and operated to function without clogging through the scheduled closure of the landfill.

(b) The owner or operator will be exempted from the requirements of R315-8-14.2(a) if the Board finds, based on a demonstration by the owner or operator, that alternative design and operating practices, together with location characteristics, will prevent the migration of any hazardous constituents, see R315-8-6.4, into the groundwater or surface water at any future time. In deciding whether to grant an exemption, the Board will consider:

(1) The nature and quantity of the wastes;

(2) The proposed alternate design and operation;

(3) The hydrogeologic setting of the facility, including the attenuative capacity and thickness of the liners and soils present between the landfill and groundwater or surface water; and

(4) All other factors which would influence the quality and mobility of the leachate produced and the potential for it to migrate to groundwater or surface water.

(c) The owner or operator of each new landfill unit on which construction commences after January 29, 1992, each lateral expansion of a landfill unit on which construction commences after July 29, 1992, and each replacement of an existing landfill unit that is to commence reuse after July 29, 1992 shall install two or more liners and a leachate collection and removal system above and between such liners. "Construction commences" is as defined in R315-1-1(b), which incorporates by reference 40 CFR 260.10, under "existing facility."

(1)(i) The liner system shall include:

(A) A top liner designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

(B) A composite bottom liner, consisting of at least two components. The upper component shall be designed and constructed of materials, e.g., a geomembrane, to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component shall be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component shall be constructed of at least three feet, 91 cm, of compacted soil

material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec.

(ii) The liners shall comply with R315-8-14.2(a)(1)(i), (ii), and (iii).

(2) The leachate collection and removal system immediately above the top liner shall be designed, constructed, operated, and maintained to collect and remove leachate from the landfill during the active life and post-closure care period. The Executive Secretary will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm, one foot. The leachate collection and removal system shall comply with R315-8-14.2(c)(3)(iii) and (iv).

(3) The leachate collection and removal system between the liners, and immediately above the bottom composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system. This leak detection system shall be capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a leak detection system in this paragraph are satisfied by installation of a system that is, at a minimum:

(i) Constructed with a bottom slope of one percent or more;

(ii) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches, 30.5 cm, or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-5} m^2/sec or more;

(iii) Constructed of materials that are chemically resistant to the waste managed in the landfill and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials, and equipment used at the landfill;

(iv) Designed and operated to minimize clogging during the active life and post-closure care period; and

(v) Constructed with sumps and liquid removal methods, e.g., pumps, of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage layer. Each unit shall have its own sump(s). The design of each sump and removal system shall provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.

(4) The owner or operator shall collect and remove pumpable liquids in the leak detection system sumps to minimize the head on the bottom liner.

(5) The owner or operator of a leak detection system that is not located completely above the seasonal high water table shall demonstrate that the operation of the leak detection system will not be adversely affected by the presence of ground water.

(d) The Executive Secretary may approve alternative design or operating practices to those specified in R315-8-14.2(c) if the owner or operator demonstrates to the Executive Secretary that such design and operating practices, together with location characteristics:

(1) Will prevent the migration of any hazardous constituent into the ground water or surface water at least as effectively as the liners and leachate collection and removal systems specified in R315-8-14.2(c); and

(2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.

(e) The double liner requirement set forth in R315-8-14.2(h) may be waived by the Board for any monofill, if:

(1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and the wastes do not contain constituents which would render the wastes hazardous for reasons other than the Toxicity Characteristics in R315-2-9(g) and EPA Hazardous Waste Numbers D004 through D017; and

(2)(i)(A) The monofill has at least one liner for which there is no evidence that the liner is leaking:

(B) The monofill is located more than one-quarter mile from an underground source of drinking water, as that term is defined in 40 CFR 144.3; and

(C) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with permit; or

(ii) The owner or operator demonstrates that the monofill is located, designed, and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

(f) The owner or operator of any replacement landfill unit is exempt from R315-8-14.2(c) if:

(1) The existing unit was constructed in compliance with the design standards of section 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act; and

(2) There is no reason to believe that the liner is not functioning as designed.

(g) The owner or operator shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 25-year storm.

(h) The owner or operator shall design, construct, operate, and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

(i) Collection and holding facilities, e.g., tanks or basins, associated with run-on and run-off control systems shall be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

(j) If the landfill contains any particulate matter which may be subject to wind dispersal, the owner or operator shall cover or otherwise manage the landfill to control wind dispersal.

(k) The Executive Secretary will specify in the permit all design and operating practices that are necessary to ensure that the requirements of this section are satisfied.

14.3 MONITORING AND INSPECTION

(a) During construction or installation, liners, except in the case of existing portions of landfills exempt from R315-8-14.2(a), and cover systems, e.g., membranes, sheets, or coatings, shall be inspected for uniformity, damage, and imperfections, e.g., holes, cracks, thin spots, or foreign materials. Immediately after construction or installation:

(1) Synthetic liners and covers shall be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters; and

(2) Soil-based and admixed liners and covers shall be inspected for imperfections including lenses, cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

(b) While a landfill is in operation, it shall be inspected weekly and after storms to detect evidence of any of the following:

(1) Deterioration, malfunctions, or improper operation of run-on and run-off control systems;

(2) Proper functioning of wind dispersal control systems, where present; and

(3) The presence of leachate in and proper functioning of leachate collection and removal systems, where present.

(c)(1) An owner or operator required to have a leak detection system under R315-8-14.2(c) or (d) shall record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.

(2) After the final cover is installed, the amount of liquids removed from each leak detection system sump shall be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps shall be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps shall be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

(3) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Executive Secretary based on pump activation level, sump dimensions, and level that avoids backup into the drainage layer and minimizes head in the sump.

14.4 SURVEYING AND RECORDKEEPING

The owner or operator of a landfill shall maintain the following items in the operating record required under R315-8-5.3, which incorporates by reference 40 CFR 264.73:

(a) On a map, the exact location and dimensions, including depth, of each cell with respect to permanently surveyed bench marks; and

(b) The contents of each cell and the approximate location of each hazardous waste type within each cell.

14.5 CLOSURE AND POST-CLOSURE CARE

(a) At final closure of the landfill or upon closure of any cell, the owner or operator shall cover the landfill or cell with a final cover designed and constructed to:

(1) Provide long-term minimization of migration of liquids through the closed landfill;

(2) Function with minimum maintenance;

(3) Promote drainage and minimize erosion or abrasion of the cover;

(4) Accommodate settling and subsidence so that the cover's integrity is maintained; and

(5) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

(b) After final closure, the owner or operator shall comply with all post-closure requirements contained under R315-8-9.8 and R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120, including maintenance and monitoring throughout the post-closure care period, specified in the permit, under R315-8-7, which incorporates by reference 40 CFR 264.110 - 264.120. The owner or operator shall:

(1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cap as necessary to correct the effects of settling, subsidence, erosion, or other events;

(2) Continue to operate the leachate collection and removal system until leachate is no longer detected;

(3) Maintain and monitor the leak detection system in accordance with R315-8-14.2(c)(3)(iv) and (4) and R315-8-14.3(c), and comply with all other applicable leak detection system requirements of R315-8;

(4) Maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of these rules;

(5) Prevent run-on and run-off from eroding or otherwise damaging the final cover; and

(6) Protect and maintain surveyed bench marks used in complying with R315-8-14.4.

14.6 SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

(a) Except as provided in R315-8-14.6(b), and in R315-8-14.10, ignitable or reactive waste shall not be placed in a landfill, unless the waste and landfill meet all applicable requirements of R315-13, R315-50-12, and R315-50-13, which incorporate by reference 40 CFR 268, and:

(1) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste under R315-2-9(d) or (f); and

(2) R315-8-2.8(b) is complied with.

(b) Except for prohibited wastes which remain subject to treatment standards in R315-13, which incorporates by reference 40 CFR 268 subpart D, ignitable wastes in containers may be landfilled without meeting the requirements of R315-8-14.6(a), provided that the wastes are disposed of in a way that they are protected from any material or conditions which may cause them to ignite. At a minimum, ignitable wastes shall be disposed of in non-leaking containers which are carefully handled and placed so as to avoid heat, sparks, rupture, or any other condition that might cause ignition of the wastes; shall be covered daily with soil or other non-combustible material to minimize the potential for ignition of the wastes; and shall not be disposed of in cells that contain or will contain other wastes which may generate heat sufficient to cause ignition of the waste.

14.7 SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

Incompatible wastes, or incompatible wastes and materials shall not be placed in the same landfill cell, unless R315-8-2.8(b) is complied with.

14.8 SPECIAL REQUIREMENTS FOR LIQUID WASTE

(a) Bulk or non-containerized liquid waste or waste containing free liquids may be placed in a landfill, prior to May

8, 1985, if:

(1) The landfill has a liner and leachate collection and removal system that meet the requirements of R315-8-14.2(a); or

(2) Before disposal, the liquid waste or waste containing free liquids is treated or stabilized, chemically or physically, e.g., by mixing with a sorbent solid, so that free liquids are no longer present.

(b) Effective May 8, 1985, the placement of bulk or non-containerized liquid hazardous waste or hazardous waste containing free liquids, whether or not sorbents have been added, in any landfill is prohibited.

(c) To demonstrate the absence or presence of free liquids in either a containerized or a bulk waste, the following test shall be used: Method 9095, Paint Filter Liquids Test, as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods." EPA Publication No. SW-846 as incorporated by reference in 40 CFR 260.11, see R315-1-2.

(d) Containers holding free liquids shall not be placed in a landfill unless:

(1) All free-standing liquid:

(i) Has been removed by decanting, or other methods;

(ii) Has been mixed with sorbent or solidified so that free-standing liquid is no longer observed; or

(iii) Has been otherwise eliminated; or

(2) The container is very small, such as an ampule; or

(3) The container is designed to hold free liquids for use other than storage, such as a battery or capacitor; or

(4) The container is a lab pack as defined in R315-8-14.10, and is disposed of in accordance with R315-8-14.10.

(e) Sorbents used to treat free liquids to be disposed of in landfills shall be nonbiodegradable. Nonbiodegradable sorbents are: materials listed or described in R315-8-14.8(e)(1); materials that pass one of the tests in R315-8-14.8(e)(2); or materials that are determined by EPA to be nonbiodegradable through the R315-2-16, which incorporates by reference 40 CFR 260.22, petition process.

(1) Nonbiodegradable sorbents.

(i) Inorganic minerals, other inorganic materials, and elemental carbon, e.g., aluminosilicates, clays, smectites, Fuller's earth, bentonite, calcium bentonite, montmorillonite, calcined montmorillonite, kaolinite, micas (illite), vermiculites, zeolites; calcium carbonate (organic free limestone); oxides/hydroxides, alumina, lime, silica (sand), diatomaceous earth; perlite (volcanic glass); expanded volcanic rock; volcanic ash; cement kiln dust; fly ash; rice hull ash; activated charcoal/activated carbon; or

(ii) High molecular weight synthetic polymers (e.g., polyethylene, high density polyethylene (HDPE), polypropylene, polystyrene, polyurethane, polyacrylate, polynorborene, polyisobutylene, ground synthetic rubber, cross-linked allylstyrene and tertiary butyl copolymers). This does not include polymers derived from biological material or polymers specifically designed to be degradable; or

(iii) Mixtures of these nonbiodegradable materials.

(2) Tests for nonbiodegradable sorbents.

(i) The sorbent material is determined to be nonbiodegradable under ASTM Method G21-70 (1984a)-Standard Practice for Determining Resistance of Synthetic Polymer Materials to Fungi; or

(ii) The sorbent material is determined to be nonbiodegradable under ASTM Method G22-76 (1984b)-Standard Practice for Determining Resistance of Plastics to Bacteria; or

(iii) The sorbent material is determined to be non-biodegradable under the Organization for Economic Cooperation and Development (OECD) test 301B, CO_2 Evolution, Modified Sturm Test.

(f) Effective November 8, 1985, the landfill placement of any liquid which is not a hazardous waste in a landfill is prohibited unless the owner or operator of the landfill demonstrates to the Board, or the Board determines that;

(1) The only reasonably available alternative to the placement in the landfill is placement in a landfill or unlined surface impoundment, whether or not permitted or operating under interim status, which contains or may reasonably be anticipated to contain, hazardous waste; and

(2) Placement in the owner or operator's landfill will not present a risk of contamination of any underground source of drinking water, as that term is defined in 40 CFR 144.3.

14.9 SPECIAL REQUIREMENTS FOR CONTAINERS

Unless they are very small, such as an ampule, containers shall be either:

(a) At least 90 percent full when placed in the landfill; or

(b) Crushed, shredded, or similarly reduced in volume to the maximum practical extent before burial in the landfill.

14.10 DISPOSAL OF SMALL CONTAINERS OF HAZARDOUS WASTE IN OVERPACKED DRUMS, LAB PACKS

Small containers of hazardous waste in overpacked drums, lab packs, may be placed in a landfill if the following requirements are met:

(a) Hazardous waste shall be packaged in non-leaking inside containers. The inside containers shall be of a design and constructed of a material that will not react dangerously with, be decomposed by, or be ignited by the contained waste. Inside containers shall be tightly and securely sealed. The inside containers shall be of the size and type specified in the Department of Transportation (DOT) hazardous materials regulations, 49 CFR parts 173, 178, and 179, if those regulations specify a particular inside container for the waste.

(b) The inside containers shall be overpacked in an open head DOT - specification metal shipping container, 49 CFR parts 178 and 179, of no more than 416-liter, 110 gallon, capacity and surrounded by, at a minimum, a sufficient quantity of sorbent material, determined to be nonbiodegradable in accordance with R315-8-14.8(e), to completely sorb all of the liquid contents of the inside containers. The metal outer container shall be full after it has been packed with inside containers and sorbent material.

(c) The sorbent material used shall not be capable of reacting dangerously with, being decomposed by, or being ignited by the contents of the inside containers in accordance with R315-8-2.8(b).

(d) Incompatible wastes, as defined in R315-1 shall not be placed in the same outside container.

(e) Reactive wastes, other than cyanide or sulfide bearing wastes as defined in R315-2-9(f)(v) shall be treated or rendered

non-reactive prior to packaging in accordance with R315-8-14.10(a) through (d). Cyanide and sulfide bearing reactive waste may be packed in accordance with R315-8-14.10(a) through (d) without first being treated or rendered non-reactive.

(f) The disposal is in compliance with the requirements of R315-13, R315-50-12, and R315-50-13, which incorporate by reference 40 CFR 268. Persons who incinerate lab packs according to the requirements in R315-13, which incorporates by reference 40 CFR 268.42(c)(1), may use fiber drums in place of metal outer containers. Such fiber drums shall meet the DOT specification in 49 CFR 173.12 and be overpacked according to the requirements in R315-8-14.10(b).

14.11 SPECIAL REQUIREMENTS FOR HAZARDOUS WASTES F020, F021, F022, F023, F026, AND F027

(a) Hazardous Wastes F020, F021, F022, F023, F026, and F027 shall not be placed in a landfill unless the owner or operator operates the landfill in accord with a management plan for these wastes that is approved by the Executive Secretary pursuant to the standards set out in this paragraph, and in accord with all other applicable requirements. The factors to be considered are:

(1) The volume, physical and chemical characteristics of the wastes, including their potential to migrate through the soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlaying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring requirements.

(b) The Board may determine that additional design, operating and monitoring requirements are necessary for landfills managing hazardous wastes F020, F021, F022, F023, F026, and F027 in order to reduce the possibility of migration of these wastes to groundwater, surface water, or air so as to protect human health and the environment.

14.12 ACTION LEAKAGE RATE

(a) The Executive Secretary shall approve an action leakage rate for surface impoundment units subject to R315-8-14.2(c) or (d). The action leakage rate is the maximum design flow rate that the leak detection system, LDS, can remove without the fluid head on the bottom liner exceeding one foot. The action leakage rate shall include an adequate safety margin to allow for uncertainties in the design, e.g., slope, hydraulic conductivity, thickness of drainage material, construction, operation, and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions, e.g., the action leakage rate shall consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.

(b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under R315-8-14.3(c), to an average daily flow rate, gallons per acre per day, for each sump. Unless the Executive Secretary approves a different calculation, the average daily flow rate for each sump shall be calculated weekly during the active life and closure period, and monthly during the post-closure care period when monthly monitoring is required under R315-8-14.3(c).

14.13 RESPONSE ACTIONS

(a) The owner or operator of landfill units subject to R315-8-14.2(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan shall set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan shall describe the actions specified in R315-8-14.13(b).

(b) If the flow rate into the leak detection system exceeds the action leakage rate for any sump, the owner or operator shall:

(1) Notify the Executive Secretary in writing of the exceedence within seven days of the determination;

(2) Submit a preliminary written assessment to the Executive Secretary within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size, and cause of any leaks, and short-term actions taken and planned;

(3) Determine to the extent practicable the location, size, and cause of any leak;

(4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs, or controls, and whether or not the unit should be closed;

(5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

(6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Executive Secretary the results of the analyses specified in R315-8-14.13(b)(3)-(5), the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the leak detection system exceeds the action leakage rate, the owner or operator shall submit to the Executive Secretary a report summarizing the results of any remedial actions taken and actions planned.

(c) To make the leak and/or remediation determinations in R315-8-14.13(b)(3)-(5), the owner or operator shall:

(1)(i) Assess the source of liquids and amounts of liquids by source;

(ii) Conduct a fingerprint, hazardous constituent, or other analyses of the liquids in the leak detection system to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and

(iii) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

(2) Document why such assessments are not needed.

R315-8-15. Incinerators.

15.1 APPLICABILITY

(a) The rules in this section apply to owners or operators of facilities that incinerate hazardous waste, as defined in 40 CFR 260.10, except as R315-8-1.1 provides otherwise.

(b) Integration of the MACT standards.

(1) Except as provided by R315-8-15.1(b)(2), the standards of R315-8 no longer apply when an owner or operator demonstrates compliance with the maximum achievable control technology (MACT) requirements of R307-214-2, which incorporates by reference 40 CFR 63, subpart EEE, by

conducting a comprehensive performance test and submitting to the Executive Secretary a Notification of Compliance under R307-214-2, which incorporates by reference 40 CFR 63.1207(j) and 63.1210(d), documenting compliance with the requirements of 307-214-2, which incorporates by reference 40 CFR 63, subpart EEE. Nevertheless, even after this demonstration of compliance with the MACT standards, hazardous waste permit conditions that were based on the standards of R315-8 will continue to be in effect until they are removed from the permit or the permit is terminated or revoked, unless the permit expressly provides otherwise.

(2) The MACT standards do not replace the closure requirements of R315-8-15.8 or the applicable requirements of R315-8-1 through R315-8-8, R315-8-18, which incorporates by reference 40 CFR 264 subpart BB, and R315-8-22, which incorporates by reference 40 CFR 264 subpart CC.

(c) After consideration of the waste analysis included with part B of the permit, the Executive Secretary, in establishing the permit conditions, shall exempt the applicant from all requirements of this section except R315-8-15.2, Waste Analysis and R315-8-15.8, Closure.

(1) If the Executive Secretary finds that the waste to be burned is:

(i) Listed as a hazardous waste in R315-2-10 or R315-2-11 solely because it is ignitable, Hazard Code I, corrosive Hazard Code C, or both; or

(ii) Listed as a hazardous waste in R315-2-10 or R315-2-11 solely because it is reactive, Hazard Code R, for characteristics other than those listed in R315-2-9(f)(1)(iv) and (v), and will not be burned when other hazardous wastes are present in the combustion zone; or

(iii) A hazardous waste solely because it possesses the characteristics of ignitability, corrosivity, or both, as determined by the test for characteristics of hazardous wastes under R315-2-9, or

(iv) A hazardous waste solely because it possesses any of the reactivity characteristics described by R315-2-9(f)(1)(i), (ii), (iii), (vi), (vii), and (viii) and will not be burned when other hazardous wastes are present in the combustion zone; and

(2) If the waste analysis shows that the waste contains none of the hazardous constituents listed in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, which could reasonably be expected to be in the waste.

(d) If the waste to be burned is one which is described by R315-8-15.1(b)(1)(i), (ii), (iii), or (iv) and contains insignificant concentrations of the hazardous constituents listed in R315-50-10, which incorporates by Reference 40 CFR 261 Appendix VIII, then the Executive Secretary may, in establishing permit conditions, exempt the applicant from all requirements of this section except R315-8-15.2, Waste analysis and R315-8-15.12, Closure, after consideration of the waste analysis included with part B of the permit, unless the Executive Secretary finds that the waste will pose a threat to human health and the environment when burned in an incinerator.

(e) The owner or operator of an incinerator may conduct trial burns subject only to the requirements of R315-3-6.3.

15.2 WASTE ANALYSIS

(a) As a portion of the trial burn plan required by R315-3-6.3 or with part B of the permit the owner or operator shall have included an analysis of the waste feed sufficient to provide all information required by R315-3-6.3(b) or R315-3-2.10. Owners or operators of new hazardous waste incinerators shall provide the information required by R315-3-6.3(c) or R315-3-2.10 to the greatest extent possible.

(b) Throughout normal operation the owner or operator shall conduct sufficient waste analysis to verify that waste feed to the incinerator is within the physical and chemical composition limits specified in his permit, R315-8-15.6.

15.3 PRINCIPAL ORGANIC HAZARDOUS CONSTITUENTS (POHCS)

(a) Principal Organic Hazardous Constituents (POHCs) in the waste feed shall be treated to the extent required by the performance standard of R315-8-15.4.

(b)(1) One or more POHCs will be specified in the facility's permit, from among these constituents listed in R315-50-10, which incorporates by reference 40 CFR 261 Appendix VIII, for each waste feed to be burned. This specification will be based on the degree of difficulty of incineration of the organic constituents in the waste and on their concentration or mass in the waste feed, considering the results of waste analyses and trial burns or alternative data submitted with part B of the permit. Organic constituents which represent the greatest degree of difficulty of incineration will be those most likely to be designated as POHCs. Constituents are more likely to be designated as POHCs if they are present in large quantities or concentrations in the waste.

(2) Trial POHCs will be designated for performance of trial burns in accordance with the procedure specified R315-3-6.3 for obtaining trial burn permits.

15.4 PERFORMANCE STANDARDS

An incinerator burning hazardous waste shall be designed, constructed, and maintained so that, when operated in accordance with operating requirements specified under R315-8-15.6, it will meet the following performance standards:

(a)(1) An incinerator burning hazardous waste shall achieve a destruction and removal efficiency (DRE) of 99.99% for each principal organic hazardous constituent (POHC) designated, R315-8-15.3, in its permit for each waste feed. DRE is determined for each POHC from the following equation:

$DRE = (W_{in} - W_{out}) / W_{in} \times 100\%$

Where:

W_{in} = Mass feed rate of one principal organic hazardous constituent (POHC) in the waste stream feeding the incinerator, and

W_{out} = Mass emission rate of the same POHC present in exhaust emissions prior to release to the atmosphere.

(2) An incinerator burning hazardous waste and producing stack emissions of more than 1.8 kilograms per hour, 4 pounds per hour, of hydrogen chloride (HC1) shall control HC1 emissions so that the rate of emission is no greater than the larger of either 1.8 kilograms per hour or one percent of the HC1 in the stack gas prior to entering any pollution control equipment.

(b) An incinerator burning hazardous waste shall not emit particulate matter in excess of 180 milligrams per dry standard cubic meter, 0.08 grains per dry standard cubic foot, when corrected for the amount of oxygen in the stack gas according to the formula:

$P_c = P_m \times 14 / (21-Y)$

When P_c is correct concentration of particulate matter, P_m is the measured concentration of particulate matter, and Y is the measured concentration of oxygen in the stack gas, using the Orsat method for oxygen analysis of dry flue gas, as presented in 40 CFR 60 Appendix A Method 3. This correction procedure is to be used by all hazardous waste incinerators except those operating under conditions of oxygen enrichment. For these facilities, the Executive Secretary will select an appropriate correction procedure, to be specified in the facility permit.

(c) For purposes of permit enforcement, compliance with the operating requirements specified in the permit under R315-8-15.6 will be regarded as compliance with this section. However, evidence that compliance with those permit conditions is insufficient to ensure compliance with the performance requirements of this section may be "information" justifying modification, revocation, or reissuance of a permit under R315-3-4.2.

(d) An incinerator burning hazardous wastes F020, F021, F022, F023, F026, or F027 shall achieve a destruction and removal efficiency (DRE) of 99.9999% for each principal organic hazardous constituent (POHC) designated, under R315-8-15.3, in its permit. This performance shall be demonstrated on POHCs that are more difficult to incinerate than tetra-, penta-, and hexachlorodibenzo-p-dioxins and dibenzofurans. DRE is determined for each POHC from the equation in R315-8-15.4(a)(1). In addition, the owner or operator of the incinerator shall notify the Executive Secretary of his intent to incinerate hazardous wastes F020, F021, F022, F023, F026, or F027.

15.5 HAZARDOUS WASTE INCINERATOR PERMITS

(a) The owner or operator of a hazardous waste incinerator may burn only wastes specified in his permit and only under operating conditions specified for those wastes under 8.15.6., except:

(1) In approved trial burns, R315-3-6.3, or

(2) Under exemptions created by R315-8-15.1.

(b) Other hazardous wastes may be burned after operating conditions have been specified in a new permit or a permit modification, as applicable. Operating requirements for new wastes may be based on either trial burn results or alternative data included with part B of a permit under R315-3-2.10.

(c) The permit for a new hazardous waste incinerator shall establish appropriate conditions for each of the applicable requirements of this section including but not limited to allowable waste feeds and operating conditions necessary to meet the requirements of R315-8-15.6, sufficient to comply with the following standards:

(1) For the period beginning with initial introduction of hazardous waste to the incinerator and ending with initiation of the trial burn, and only for the minimum time required to establish operating conditions required in R315-8-15.5(c)(2), not to exceed a duration of 720 hours operating time for treatment of hazardous waste, the operating requirements shall be those most likely to ensure compliance with the performance standards in R315-8-15.4 based on the Executive Secretary's engineering judgement. The Executive Secretary may extend the duration of this period once for up to 720 additional hours when good cause for the extension is demonstrated by the applicant;

(2) For the duration of the trial burn, the operating requirements shall be sufficient to demonstrate compliance with the performance standards of R315-8-15.4 and shall be in accordance with the approved trial burn plan;

(3) For the period immediately following completion of the trial burn, and only for the minimum period sufficient to allow sample analysis, data computation, and submission of the trial burn results by the applicant, and review of the trial burn results and modification of the facility permit by the Executive Secretary, the operating requirements shall be those most likely to ensure compliance with the performance standards of R315-8-15.4 based on the Executive Secretary's engineering judgement.

(4) For the remaining duration of the permit, the operating requirements shall be those demonstrated, in a trial burn or by alternative data specified in R315-3-2.10(c), as sufficient to ensure compliance with the performance standards of R315-8-15.4.

15.6 OPERATING REQUIREMENTS

(a) An incinerator shall be operated in accordance with operating requirements specified in the permit. These will be specified on a case-by-case basis as those demonstrated, in a trial burn or in alternative data as specified in R315-8-15.5(b), and included with part B of a facility's permit to be sufficient to comply with the performance standards of R315-8-15.4.

(b) Each set of operating requirements will specify the composition of the waste feed, including acceptable variations in the physical or chemical properties of the waste feed which will not affect compliance with the performance requirements of R315-8-15.4, to which the operating requirements apply. For each such waste feed, the permit will specify acceptable operating limits including the following conditions:

(1) Carbon monoxide (CO) level in the stack exhaust gas;

(2) Waste feed rate;

(3) Combustion temperature;

(4) An appropriate indicator of combustion gas velocity;

(5) Allowable variations in incinerator system design or operating procedures; and

(6) Any other operating requirements as are necessary to ensure that the performance standards of R315-8-15.4 are met.

(c) During start-up and shut-down of an incinerator, hazardous waste, except wastes exempted in accordance with R315-8-15.1, shall not be fed into the incinerator unless the incinerator is operating within the conditions of operation, temperature, air feed rate, etc., specified in the permit.

(d) Fugitive emissions from the combustion zone shall be controlled by:

(1) Keeping the combustion zone totally sealed against fugitive emissions; or

(2) Maintaining a combustion zone pressure lower than atmospheric pressure; or

(3) An alternative means of control demonstrated, with part B of the permit to provide fugitive emissions control equivalent to maintenance of combustion zone pressure lower than atmospheric pressure.

(e) An incinerator shall be operated with a functioning system to automatically cut off waste feed to the incinerator when operating conditions deviate from limits established under R315-8-15.6(a).

(f) An incinerator shall cease operation when changes in waste feed, incinerator design, or operating conditions exceed limits designated in its permit.

15.7 MONITORING AND INSPECTIONS

(a) The owner or operator shall conduct, as a minimum, the following monitoring while incinerating hazardous waste:

(1) Combustion temperature, waste feed rate, and the indicator of combustion gas velocity specified in the facility plan shall be monitored on a continuous basis.

(2) Carbon monoxide (CO) shall be monitored on a continuous basis at a point in the incinerator downstream of the combustion zone and prior to release to the atmosphere.

(3) Upon request by the Board, sampling and analysis of the waste and exhaust emissions shall be conducted to verify that the operating requirements established in the plan achieve the performance standards of R315-8-15.4.

(b) The incinerator and associated equipment, pumps, valves, conveyors, pipes, etc., shall be subjected to thorough visual inspection, at least daily, for leaks, spills, fugitive emissions, and signs of tampering.

(c) The emergency waste feed cutoff system and associated alarms shall be tested at least weekly to verify operability, unless the applicant demonstrates to the Board that weekly inspections will unduly restrict or upset operations and that less frequent inspections will be adequate. At a minimum, operational testing shall be conducted at least monthly.

(d) This monitoring and inspection data shall be recorded and the records shall be placed in the operating record required by R315-8-5.3, which incorporates by reference 264.73.

15.8 CLOSURE

At closure the owner or operator shall remove all hazardous waste and hazardous waste residues, including, but not limited to, ash, scrubber waters, and scrubber sludges, from the incinerator site.

At closure, as throughout the operating period, unless the owner or operator can demonstrate, in accordance with R315-2-3(d), that the residue removed from the incinerator is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and shall manage it in accordance with applicable requirements. R315-4 - R315-9.

R315-8-16. Miscellaneous Units.

The requirements as found in 40 CFR 264, subpart X, which includes sections 264.600 through 264.603, 2000 ed., are adopted and incorporated by reference.

R315-8-17. Air Emission Standards for Process Vents.

The requirements as found in 40 CFR subpart AA sections 264.1030 through 264.1036, 1998 ed., as amended by 64 FR 3382, January 21, 1999, are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator".

R315-8-18. Air Emission Standards for Equipment Leaks.

The requirements as found in 40 CFR subpart BB sections 264.1050 through 264.1065, 1997 ed., as amended by 62 FR 64636, December 8, 1997, are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator."

R315-8-19. Drip Pads.

The requirements as found in 40 CFR subpart W sections 264.570 through 264.575, 1996 ed., are adopted and incorporated by reference with the following exception:

(1) substitute "Board" for all federal regulation references made to "Regional Administrator".

(2) Add, following December 6, 1990, in 40 CFR 264.570(a), "for all HSWA drip pads or January 31, 1992 for all non-HSWA drip pads."

(3) Add, following December 24, 1992, in 40 CFR 570(a), "for all HSWA drip pads or July 30, 1993 for all non-HSWA drip pads."

R315-8-20. Containment Buildings.

The requirements of subpart DD sections 264.1100 through 264.1110, as found in 57 FR 37194, August 18, 1992, are adopted and incorporated by reference with the following exception:

(1) substitute "Executive Secretary" for all federal regulation references made to "Regional Administrator."

R315-8-21. Corrective Action for Solid Waste Management Units.

The requirements of 40 CFR 264, subpart S, which includes sections 264.552 through 264.554, 2000 ed., are adopted and incorporated by reference with the following exception:

substitute "Executive Secretary" for all federal regulation references made to "Regional Administrator."

R315-8-22. Air Emission Standards for Tanks, Surface Impoundments, and Containers.

The requirements as found in 40 CFR subpart CC, sections 264.1080 through 264.1091, 1998 ed., as amended by 64 FR 3382, January 21, 1999, are adopted and incorporated by reference with the following exception:

(1) substitute "Executive Secretary" for all federal regulation references made to "Regional Administrator."

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R315. Environmental Quality, Solid and Hazardous Waste.
R315-9. Emergency Controls.
R315-9-1. Immediate Action.

In the event of a spill of hazardous waste or material which, when spilled, becomes hazardous waste, the person responsible for the material at the time of the spill shall immediately:

(a) Take appropriate action to minimize the threat to human health and the environment.

(b) Notify the Utah State Department of Environmental Quality, 24-hour Answering Service, 801-536-4123 if the following spill quantities are exceeded:

(1) One kilogram of material listed in paragraph R315-2-10(e), which includes F999 and incorporates by reference 40 CFR 261.31, and which is an acute hazardous waste identified with a hazard code of (H), or in R315-2-11(e), which incorporates by reference 40 CFR 261.33(e). Notify for a spill of a lesser quantity if there is a potential threat to human health or the environment; or

(2) One hundred kilograms of hazardous waste or material which, when spilled, becomes hazardous waste, other than that listed in R315-2-11(e), which incorporates by reference 40 CFR 261.33(e). Notify for a spill of a lesser quantity if there is a potential threat to human health or the environment.

(c) Provide the following information when reporting the spill:

(1) Name, phone number, and address of person responsible for the spill.

(2) Name, title, and phone number of individual reporting.

(3) Time and date of spill.

(4) Location of spill - as specific as possible including nearest town, city, highway or waterway.

(5) Description contained on the manifest and the amount of material spilled.

(6) Cause of spill.

(7) Emergency action taken to minimize the threat to human health and the environment.

(d) An air, rail, highway, or water transporter who has discharged hazardous waste shall:

(1) Give notice, if required by 49 CFR 171.15 to the National Response Center, 800-424-8802 or 202-426-2675; and

(2) Report in writing as required by 49 CFR 171.16 to the Director, Office of Hazardous Materials Regulations, Materials Transportation Bureau, Department of Transportation, Washington, D.C. 20590.

(e) A water, bulk shipment, transporter who has discharged hazardous waste must give the same notice as required by 33 CFR 153.203 for oil and hazardous substances.

R315-9-2. Emergency Control Variance.

If a spill of hazardous waste requires immediate removal to protect human health or the environment, as determined by the Executive Secretary, a variance may be granted by the Executive Secretary to the manifest and recordkeeping requirements of these rules until the spilled material and any residue or contaminated soil, water or other material resulting from the spill no longer presents an immediate hazard to human health or the environment, as determined by the Executive Secretary.

R315-9-3. Spill Clean-up.

The person responsible for the material at the time of the spill shall clean up all the spilled material and any residue or contaminated media or other material resulting from the spill or take action as may be required by the Executive Secretary so that the spilled material, residue, or contaminated media no longer presents a hazard to human health or the environment as defined in R315-101. The cleanup or other required actions shall be at the expense of the person responsible for the spill. If the person responsible for the spill fails to take the required action, the Department may take action and bill the responsible person.

R315-9-4. Reporting.

Within 15 days after any spill of hazardous waste or material which, when spilled, becomes hazardous waste, and is reported under R315-9-1(b), the person responsible for the material at the time of the spill shall submit to the Board or the Executive Secretary a written report which contains the following information:

(a) The person's name, address, and telephone number;

(b) Date, time, location, and nature of the incident;

(c) Name and quantity of material(s) involved;

(d) The extent of injuries, if any;

(e) An assessment of actual or potential hazards to human health or the environment, where this is applicable; and

(f) The estimated quantity and disposition of recovered material that resulted from the incident.

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Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-12. Administrative Procedures.
R315-12-1. Application of Rule.

(a) This rule applies to proceedings under Title 19, Chapter 6, Part 1 (Solid and Hazardous Waste Act), Title 19, Chapter 6, Part 5 (Solid Waste Management Act), Title 19, Chapter 6, Part 6 (Lead Acid Battery Disposal), Title 19, Chapter 6, Part 7 (Used Oil Management Act), and Tile 26, Chapter 32a (Waste Tire Recycling).

(b) For purposes of these rules, an appeal under the Used Oil Management Act shall mean the process of agency decision making under the Utah Administrative Procedures Act (UAPA), Section 63-46b-0.5 through 63-46b-11, and the standards, deadlines, procedures, and other requirements for an appeal shall be same as the standards, deadlines, procedures, and other requirements for contesting the validity of an initial order or violation under R315-12.

R315-12-2. Orders, NOVs, and Other Decisions by the Executive Secretary.

2.1 INITIAL PROCEEDINGS EXEMPT FROM UAPA

Proceedings that culminate in the issuance of an initial order or a notice of violation under the Utah Solid and Hazardous Waste Act are not governed by the provisions of the Utah Administrative Procedures Act (UAPA) as specified in Section 63-46b-1(2)(k). This includes initial proceedings regarding: approval, modification, denial, termination, transfer, revocation, or reissuance of permits; approval for equivalent testing or analytical methods; notices of violation and orders associated with notices of violation; orders for corrective action; and consent orders.

2.2 INITIAL ORDERS AND NOTICES OF VIOLATION ISSUED BY EXECUTIVE SECRETARY

(a) The initial orders and notices described in R315-12-2.1 shall be issued by the Executive Secretary.

(b) An initial order or notice shall become final in 30 days if not contested as described in R315-12-3. Failure to contest an initial order or notice waives any right of administrative review or judicial appeal.

R315-12-3. Contesting the Validity of an Initial Order or Notice of Violation Issued by the Executive Secretary.

3.1 CONTESTING THE VALIDITY OF AN INITIAL ORDER OR NOTICE OF VIOLATION -- REQUEST FOR AGENCY ACTION

(a) The validity of initial orders or notices of violation described in R315-12-2 may be contested by filing a written Request for Agency Action with the Board:

Solid and Hazardous Waste Control Board
Division of Solid and Hazardous Waste
288 North 1460 West
PO Box 144880
Salt Lake City, Utah 84114-4880.

(b) Any such request is governed by and shall comply with the requirements of Section 63-46b-3(3) of UAPA, and shall comply with the requirements of Section 63-46b-3(3) of UAPA, and shall be received for filing within 30 days of the issuance of the Executive Secretary's order or notice of violation.

3.2 RESPONSE TO REQUEST FOR AGENCY ACTION

Notice of the time and place for a hearing shall be provided in the response to a request for agency action, or shall be provided promptly after the hearing is scheduled.

3.3 UAPA GOVERNS SUBSEQUENT PROCEEDINGS

A Request for Agency Action, and all subsequent proceedings acting on that request, are governed by UAPA. Section 63-46b-1(2)(k) of UAPA.

R315-12-4. Parties and Intervention.

4.1 WHO IS A PARTY?

(a) The following persons are Parties to a proceeding governed by this Rule:

(1) The person to whom an initial order or notice of violation is directed, such as a person who submitted a plan that was approved or disapproved by order of the Executive Secretary;

(2) The Executive Secretary; and

(3) All persons whose legal rights or interests are substantially affected by the proceeding, who have standing to participate in the proceeding, and to whom intervention rights have been granted under R315-12-4.2.

(b) In a proceeding requested by the person to whom an initial order or notice of violation is directed, that person shall be the Petitioner and the Executive Secretary shall be the Respondent.

(c) In a proceeding requested by a person requesting intervention, the Intervenor shall be the Petitioner, provided that Intervention is granted, and the Executive Secretary and the person to whom an initial order or notice of violation is directed shall be the Respondents.

4.2 INTERVENTION

(a) A person who is not a party to a proceeding may request intervention under Section 63-46b-9 of UAPA for the purpose of filing a Request for Agency Action, and may simultaneously file that Request. Any such Requests for Intervention and Agency Action must be received by the Board for filing as provided in R315-12-3.1 within 30 days of the date of the challenged order or notice of violation.

(b) Any Party may, within 20 days or such earlier time as established by the Presiding Officer(s), respond to a Request for Intervention. The Chair of the Board may act as Presiding Officer for purposes of this paragraph.

4.3 Amicus curiae (Friend of the Court)

Persons may be permitted by the Presiding Officer(s) to enter an appearance as Amicus Curiae (Friend of the Court), subject to conditions established by the Presiding Officer(s).

4.4 APPEARANCES AND REPRESENTATION

(a) An individual who is a participant to a proceeding, or an officer designated by a partnership, corporation, association, or governmental entity which is a participant to a proceeding, may represent his or its interest in the proceeding.

(b) Any participant may be represented by an attorney at law.

R315-12-5. Conduct of Proceedings.

5.1 ROLE OF BOARD

(a) The Board is the "agency head" as that term is used in UAPA. The Board is also the "presiding officer," as that term is used in UAPA, except:

(1) The Chair of the Board shall be considered the Presiding Officer to the extent that these rules allow; and

(2) The Board may by order appoint a Presiding Officer to preside over all or a portion of the proceedings.

(b) The Chair of the Board may delegate his/her authority as specified in this Rule to another Board member.

5.2 APPOINTED PRESIDING OFFICERS

Unless otherwise explicitly provided in an order of appointment, any appointment of a Presiding Officer or Presiding Officers shall be for the purpose of conducting all aspects of an adjudicative proceeding, except issuance of the final order. See also R315-12-7.2 regarding orders of Presiding Officers.

5.3 DESIGNATION OF PROCEEDINGS AS FORMAL OR INFORMAL

(a) Proceedings pursuant to a Request for Agency Action shall be conducted formally if the Request for Agency Action is made to contest the validity of the following:

(1) An order regarding approval, modification, denial, termination, transfer, revocation, or reissuance of a plan;

(2) An order regarding approval, denial, or modification of a corrective action, clean-up, or closure plan;

(3) A notice of violation or order associated with a notice of violation; or

(4) A consent order.

(b) The Board may convert proceedings which are designated to be formal to informal, and proceedings which are designated as informal to formal if conversion is in the public interest and rights of all parties are not unfairly prejudiced. See Section 63-46b-4(3) of UAPA.

5.4 PRE-HEARING CONFERENCES

The Presiding Officer(s) may direct the Parties to appear at a specified time and place for a pre-hearing conference(s) for the purposes of clarifying the issues, simplifying the evidence, facilitating discovery, expediting proceedings, or encouraging settlement.

5.5 BRIEFS

(a) Unless otherwise directed by the Presiding Officer(s), parties to the proceeding may submit a pre-hearing brief at least five business days before the hearing. Post-hearing briefs will be allowed only as authorized by the Board. Parties are not required to submit pre-hearing or post-hearing briefs unless directed to do so by the Presiding Officer(s). Pre-hearing and post-hearing briefs shall not exceed 15 pages unless otherwise provided by the Presiding Officer for all Parties.

(b) Response briefs may not be filed unless permitted by the Presiding Officer(s).

5.6 PARTIES MAY PROPOSE SCHEDULE

Parties to a proceeding are encouraged to prepare a joint proposed schedule addressing the matters specified in R315-12-5.7. If the parties cannot agree on a joint proposed schedule, the Presiding Officer(s) may consider proposals by any party.

5.7 PRESIDING OFFICER(S) SHALL ESTABLISH SCHEDULES

The Presiding Officer(s) shall establish schedules for discovery and other pre-hearing proceedings, for the hearing, and for any post-hearing proceedings.

5.8 EXTENSIONS OF TIME

Except as otherwise provided by statute, the Presiding Officer(s) may approve extensions of time limits established by this rule, and may extend time limits adopted in schedules established under R315-12-5.7. The Presiding Officer(s) may also postpone hearings. The Chair of the Board may act as Presiding Officer for purposes of this paragraph.

5.9 COMPUTATION OF TIME

Time shall be computed as provided in Rule 6(a) of the Utah Rules of Civil Procedure. No additional time shall be allowed for service by mail.

5.10 MOTIONS

All motions shall be filed a minimum of ten days before a scheduled hearing, unless otherwise allowed or required by the Presiding Officer(s). A memorandum in opposition to a motion may be filed within eight days of the filing of the motion, or at least one day before any scheduled hearing, whichever is earlier. Memoranda in support of or in opposition to motions may not exceed 15 pages unless otherwise provided by the Presiding Officer.

5.11 FILING AND COPIES OF SUBMISSIONS

The original of any motion, brief, request for intervention, or other submission shall be filed with the Executive Secretary. In addition, the submitter shall provide a copy to each Presiding Officer and, through counsel of record if applicable, to each party.

R315-12-6. Hearings.

6.1 CONDUCT OF HEARING

The Presiding Officer(s) shall govern the conduct of a hearing, and may establish reasonable limits on the length of witness testimony and cross-examination, and on the length of argument.

6.2 ORDER OF PRESENTATION

Unless otherwise directed by the Presiding Officer(s), the Petitioner shall present its case first, followed by the Executive Secretary, unless the Executive Secretary is the petitioner, and any other Parties. Rebuttal, if any, shall follow the same order.

R315-12-7. Orders.

7.1 PROPOSED ORDERS BY PARTIES

Unless otherwise directed by the Presiding Officer(s), each party may provide proposed orders for the Presiding Officer(s) within three days of the conclusion of the hearing.

7.2 DRAFT ORDERS OF APPOINTED PRESIDING OFFICERS

(a) A Presiding Officer or Presiding Officers appointed for the purpose of conducting all aspects of an adjudicative proceeding, except issuance of the final order, shall prepare a draft order. A copy of the draft order shall be provided to all Parties.

(b) Any Party may, within 10 days of the date the draft order is mailed, delivered, or published, comment on the draft order. Such comments shall be limited to 15 pages, and shall cite to specific parts of the record which support the comments.

(c) The Board shall review the draft order, comments on the draft order, and those specific parts of the record cited by the Parties in any comments. The Board shall then determine whether to accept or modify the draft order, to remand the matter to an appointed Presiding Officer or Presiding Officers for further proceedings, or to act as Presiding Officers for

further proceedings.

(d) The Board may modify this procedure with notice to all Parties.

7.3 CONTENT OF ORDERS

An order shall include the information required by Sections 63-46b-10 or 63-46b-5(1)(i) of UAPA.

R315-12-8. Stays of Orders.

8.1 STAY OF THE ORDER OF THE EXECUTIVE SECRETARY

(a) A Party seeking a Stay of the Order of the Executive Secretary shall file a motion with the Presiding Officer(s). A Stay, if granted, would suspend the effect of the challenged Order.

(b) The Presiding Officer(s) may order a stay of the Executive Secretary's Order if the Party seeking the Stay demonstrates that:

(1) The Party seeking the Stay will suffer irreparable harm unless the stay issues;

(2) The threatened injury to the Party seeking the Stay outweighs whatever damage the proposed stay is likely to cause the Party restrained or enjoined;

(3) The Stay, if issued, would not be adverse to the public interest; and

(4) There is substantial likelihood that the Party seeking the Stay will prevail on the merits of the underlying claim, or the case presents serious issues on the merits which should be the subject of further evaluation by the Presiding Officer(s).

8.2 STAY OF THE ORDER OF THE PRESIDING OFFICER(S)

The Board as Presiding Officer may grant a stay of its order (or the Order of its appointed Presiding Officer) during the pendency of judicial review if the standards of 8.1(b) are met.

R315-12-9. Reconsideration.

No agency review under Section 63-46b-12 of UAPA is available. A Party may request reconsideration of an order of the Presiding Officer(s) as provided in Section 63-46b-13 of UAPA.

R315-12-10. Disqualification of Presiding Officer(s).

10.1 DISQUALIFICATION OF PRESIDING OFFICER

A member of the Board or other Presiding Officer shall disqualify him/herself from performing the functions of the Presiding Officer regarding any matter in which:

(a) He/she, or his/her spouse, or a person within the third degree of relationship to either of them, or the spouse of such person:

(1) Is a party to the proceeding, or an officer, director, or trustee of a Party;

(2) Has acted as an attorney in the proceeding or served as an attorney for, or otherwise represented a Party concerning the matter in controversy;

(3) Knows that he/she has an financial interest, either individually or as a fiduciary, in the subject matter in controversy or in a Party to the proceeding;

(4) Knows that he/she has any other interest that could be substantially affected by the outcome of the proceeding; or

(5) Is likely to be a material witness in the proceeding.

(b) The Presiding Officer is subject to disqualification under principles of due process and administrative law.

10.2 MOTIONS FOR DISQUALIFICATION

A motion for disqualification shall be made first to the Presiding Officer or Presiding Officers. If the Presiding Officer is or Presiding Officers are appointed, any determination of the Presiding Officer or Presiding Officers upon a motion for disqualification may be appealed to the Board.

R315-12-11. Other Forms of Address.

Nothing in these rules shall prevent any person from requesting an opportunity to address the Board as a member of the public, rather than as a party. An opportunity to address the Board shall be granted at the discretion of the Board. However, addressing the Board in this manner does not constitute a request for agency action under R315-12-3.

R315-12-12. Requests for Records.

Requests for records under the Utah Government Record Access and Management Act, Title 63, Chapter 2, Utah Code Ann., are not governed by R315. See R305-1, U.A.C.

KEY: hazardous waste
June 15, 1999 63-46b-4
Notice of Continuation October 5, 2001

R315. Environmental Quality, Solid and Hazardous Waste.
R315-13. Land Disposal Restrictions.
R315-13-1. Land Disposal Restrictions.

The requirements as found in 40 CFR 268, 2000 ed., are adopted and incorporated by reference including Appendices IV, VI, VII, VIII, IX, and XI, with the exclusion of Sections 268.5, 268.6, 268.42(b), and 268.44(a) - (g) and with the following exceptions:

(a) Substitute "Board" for all federal regulation references made to "Administrator" or "Regional Administrator" except for 40 CFR 268.40(b).

(b) All references made to "EPA Hazardous Waste Number" will include P999, and F999.

(c) Substitute Utah Code Annotated, Title 19, Chapter 6 for all references to RCRA.

(d) The universal wastes listed at 40 CFR 268.1(f) are exempted from the requirements under 40 CFR 268.7 and 268.50, including mercury-containing wastes, as described in R315-16-1.6.

KEY: hazardous waste
April 20, 2001 19-6-106
Notice of Continuation October 5, 2001 19-6-105

R315. Environmental Quality, Solid and Hazardous Waste.
R315-14. Standards for the Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities.
R315-14-1. General Requirements.

(a) Purpose, Scope, and Applicability.

(1) The purpose of R315-14 is to establish minimum State standards which define the acceptable management of certain hazardous wastes and the acceptable practices for certain kinds of hazardous waste management facilities.

(2) R315-14 applies, in lieu of the requirements of R315-8 or R315-7, to the owners and operators of eligible hazardous waste management facilities.

R315-14-2. Recyclable Materials Used in a Manner Constituting Disposal.

(a) The requirements regarding recyclable materials used in a manner constituting disposal of 40 CFR 266.20 to 266.23, inclusive, 1994 ed., as amended by 59 FR 43496, August 24, 1994 and 59 FR 47982, September 19, 1994, are adopted and incorporated by reference.

R315-14-3. Hazardous Waste Burned for Energy Recovery.

RESERVED

R315-14-4. Used Oil Burned for Energy Recovery.

See Rule R315-15.

R315-14-5. Recyclable Materials Utilized for Precious Metal Recovery.

The requirements regarding recyclable materials utilized for precious metal recovery of 40 CFR 266.70, 1996 ed., are adopted and incorporated by reference.

R315-14-6. Spent Lead-Acid Batteries Being Reclaimed.

The requirements regarding spent lead-acid batteries being reclaimed of 40 CFR 266.80, 1998 ed., as amended by 63 FR 71225, December 24, 1998, are adopted and incorporated by reference.

R315-14-7. Hazardous Waste Burned in Boilers and Industrial Furnaces.

The requirements as found in 40 CFR 266, Subpart H, 266.100 - 266.112, 2000 ed., are adopted and incorporated by reference.

KEY: hazardous waste
April 20, 2001 19-6-105
Notice of Continuation October 18, 2001 19-6-106

R315. Environmental Quality, Solid and Hazardous Waste.
R315-50. Appendices.
R315-50-1. Instructions for Completion of Uniform Hazardous Waste Manifest.

The requirements of the Appendix to Part 262 of 40 CFR, Uniform Hazardous Waste Manifest, 1990 ed., are adopted and incorporated by reference with the following additional requirements:

(a) Generators and owners and operators shall complete the following additional items of the manifest form:

(1) Item D. Transporter's phone

Enter the phone number of the first transporter who will transport the waste.

(2) Item F. Transporter's phone

If applicable, enter the phone number of the second transporter who will transport the waste.

(3) Item H. Facility's phone

Enter the phone number of the facility designated to receive the waste listed on the manifest.

(4) Item I. Waste number

Enter the 4-digit EPA Hazardous Waste number assigned to the waste. If the waste is a mixture, include all EPA Hazardous Waste numbers for the wastes known to be present, regardless of the quantity of each individual waste component.

(5) Item J. Additional Descriptions for Materials Listed Above

If the DOT shipping description in item 11, a, b, c, d, of the manifest form contains only NOS or other general term, the hazardous waste constituent(s) must be provided here for each. The specific gravity is assumed to be one (1.00) unless otherwise indicated here.

(6) Item O. Transporter's phone

Refer to Item D

(7) Item Q. Transporter's phone

Refer to Item F

(8) Item R. Waste number

Refer to Item I

(9) Item S. Additional Descriptions for Materials Listed Above

Refer to Item J

R315-50-2. Recordkeeping Instructions.

The recordkeeping requirements of 40 CFR 264, Appendix I, and 265, Appendix I, 1993 ed., as amended by 59 FR 13891, March 24, 1994, are adopted and incorporated by reference.

R315-50-3. EPA Interim Primary Drinking Water Standards.

The interim primary drinking water standards of 40 CFR 265, Appendix III, 1991 ed., are adopted and incorporated by reference.

R315-50-4. Tests for Significance.

The requirements of 40 CFR 264 and 265, Appendix IV, 1991 ed., are adopted and incorporated by reference.

R315-50-5. Examples of Potentially Incompatible Waste.

The requirements of 40 CFR 264, Appendix V, and 265, Appendix V, 1991 ed., are adopted and incorporated by reference.

R315-50-6. Representative Sampling Methods.

The requirements of 40 CFR 261, Appendix I, 1991 ed., are adopted and incorporated by reference with the following exception:

Substitute "Board" for all references to "Agency".

R315-50-7. Toxicity Characteristic Leaching Procedure (TCLP).

The requirements of 40 CFR 261, Appendix II, 1993 ed., as amended by 58 FR 46040, August 31, 1993, are adopted and incorporated by reference.

R315-50-8. Chemical Analysis Test Methods.

The requirements of 40 CFR 261, Appendix III, 1993 ed., as amended by 58 FR 46040, August 31, 1993, are adopted and incorporated by reference.

R315-50-9. Basis for Listing Hazardous Wastes.

The requirements of 40 CFR 261, Appendix VII, 2000 ed., are adopted and incorporated by reference, with the following additions, excluding the constituents for which K064, K065, K066, K090, and K091 are listed:

1. F999 - CX, GA, GB, GD, H, HD, HL, HN-1, HN-2, HN-3, HT, L, T, and VX.

R315-50-10. Hazardous Constituents.

The requirements of 40 CFR 261, Appendix VIII, 2000 ed., are adopted and incorporated by reference.

R315-50-11. Political Jurisdiction in Which Compliance with R315-8-2.9(a) Must be Demonstrated Within the State of Utah.

Beaver
Box Elder
Cache
Carbon
Daggett
Davis
Duchesne
Emery
Garfield
Grand
Iron
Juab
Kane
Millard
Morgan
Piute
Rich
Salt Lake
San Juan
Sanpete
Sevier
Summit
Tooele
Uintah
Utah

Wasatch
Washington
Wayne
Weber

R315-50-12. Reserved.
Reserved.

R315-50-13. Reserved.
Reserved.

R315-50-14. Ground Water Monitoring List.
The requirements of 40 CFR 264, Appendix IX, Groundwater Monitoring List, 1997 ed., are adopted and incorporated by reference.

R315-50-15. Reserved.
Reserved.

R315-50-16. Appendices to 40 CFR 266.
The requirements of 40 CFR 266, Appendices I - IX and XI - XIII, 2000 ed., are adopted and incorporated by reference.

R315-50-17. Compounds With Henry's Law Constant.
The requirements of Appendix VI of 40 CFR 265, Compounds with Henry's Law Constant, 1997 ed., as amended by 62 FR 64636, December 8, 1997, are adopted and incorporated by reference.

KEY: hazardous waste
April 20, 2001 19-6-106
Notice of Continuation October 18, 2001 19-6-108
19-6-105

R317. Environmental Quality, Water Quality.

R317-11. Certification Required to Design, Inspect and Maintain Underground Wastewater Disposal Systems, or Conduct Percolation and Soil Tests for Underground Wastewater Disposal Systems.

R317-11-1. Scope.

These certification rules apply to any person who designs, inspects, or maintains underground wastewater disposal systems, or who conducts percolation tests or soil evaluations for underground wastewater disposal systems. A certification is required by any person who performs these activities as provided below.

R317-11-2. Definitions.

2.1. "Alternative onsite wastewater system" means a system for treatment and disposal of domestic wastewater or wastes which consists of a building sewer, a septic tank or other sewage treatment or storage unit, and a disposal facility or method which is not a conventional system; but not including a surface discharge to the waters of the state.

2.2. "Board" means the Utah Water Quality Board.

2.3. "Certificate" means a certificate issued by the Division stating that the recipient has met the minimum requirements to be certified as described in this rule.

2.4. "Conventional system" means an onsite wastewater system which consists of a building sewer, a septic tank, and an absorption system consisting of a standard trench, a shallow trench with capping fill, a chambered trench, a deep wall trench, a seepage pit, or an absorption bed.

2.5. "Division" means the Utah Division of Water Quality.

2.6. "Executive Secretary" means the Executive Secretary of the Utah Water Quality Board.

2.7. "Training Center" means the Utah On-site Wastewater Treatment Training Center which has been designated by the Division of Water Quality for training and administration of examinations for certification of persons who design, inspect, maintain, or conduct soil and percolation tests for underground wastewater disposal systems.

2.8. "Underground Wastewater Disposal System" means a system for underground disposal of domestic wastewater. It usually consists of a building sewer, a septic tank, and an absorption system. It includes onsite wastewater systems and large underground wastewater disposal systems.

R317-11-3. Classes of Certification.

3.1 There are three classes of certification:

A. Level 1, soil evaluations and percolation testing;

B. Level 2, design, inspection and maintenance of conventional underground wastewater disposal systems; and

C. Level 3, design, inspection and maintenance of alternative underground wastewater disposal systems.

3.2. Certification at any level also requires certification for all lower levels.

R317-11-4. Individuals Not Required to Obtain Certification.

4.1. An individual is not required to obtain certification to maintain an underground wastewater disposal system that serves a noncommercial, private residence owned by the individual or a member of the individual's family and in which the individual or a member of the individuals family resides or an employee of the individual resides without payment of rent.

4.2. An uncertified individual may conduct percolation or soil tests for an underground wastewater disposal system that serves a noncommercial, private residence owned by the individual and in which the individual resides or intends to reside, or which is intended for use by an employee of the individual without payment of rent, if the individual:

A. Has the capability of properly conducting the tests, as determined by the local health department and

B. Is supervised by a certified individual when conducting the tests.

4.3. A person involved in the pumping of an underground wastewater disposal system does not have to be certified under this rule, although licensing by the local health department is required under R317-550.

4.4. Licensed plumbers and electricians, when maintaining electrical equipment or wastewater drainage lines leading to the underground wastewater disposal systems are not required to be certified under this rule.

4.5. Uncertified employees, subordinates or associates of a certified individual are not required to be certified under this rule when working on activities related to underground wastewater disposal systems under the supervision of a certified individual. Supervision means that a certified individual is personally responsible for the work, and reviews, corrects and approves work done by an uncertified employee, subordinate or associate. Such work must be signed by a certified individual.

R317-11-5. Qualifications for Certification.

5.1. Soil Evaluation and Percolation Testing. In order to be certified, a person must:

A. Attend a training course provided by the Training Center specifically for the purposes of certification;

B. Successfully pass an examination to be given at the conclusion of the training course.

5.2. Design, Inspection and Maintenance of Conventional Systems. In order to be certified, a person must:

A. Attend a training course provided by the Training Center specifically for the purposes of certification;

B. Successfully pass an examination to be given at the conclusion of the training course.

C. Be certified for soil evaluation and percolation testing.

5.3. Design, Inspection and Maintenance of Alternative Systems. In order to be certified, a person must:

A. Attend training courses for both conventional and alternative systems, provided by the Training Center specifically for the purposes of certification.

B. Successfully pass an examination to be given at the conclusion of the training course.

C. Be certified for soil evaluation and percolation testing, and certified for design, inspection and maintenance of conventional systems

5.4. An environmental health scientist licensed under Title 58, Chapter 20a, Environmental Health Scientist Act, who has at least one year of experience in soils evaluation and percolation testing, and/or the design, inspection and maintenance of underground wastewater disposal systems, is

qualified by rule and is not required to obtain the training or be tested as required in this section. Evidence of experience appropriate to the class of certification must be provided to the Division or other entity as designated by the Division. After July 1, 2003, the required experience must be under the supervision of a person certified under this program.

5.5. A professional engineer licensed under Title 58, Chapter 22, Professional Engineers and Professional Land Surveyors Licensing Act, who has received education or experience related to soils evaluation and percolation testing, and/or the design, inspection and maintenance of wastewater disposal systems, is qualified by rule and is not required to obtain the training or be tested as required in this section. Evidence of education appropriate to the class of certification must be provided to the Division or other entity as designated by the Division.

5.6. A licensed contractor, who has five or more years of experience installing underground wastewater disposal systems, including performing soils evaluations and percolation tests, and/or the design, inspection and maintenance of underground wastewater disposal systems, is qualified by rule and is not required to obtain the training or be tested as required in this section. Evidence of experience appropriate to the class of certification must be provided to the Division or other entity as designated by the Division.

R317-11-6. Application for Certification.

6.1. In order to be certified by training and examination, a person must register for a training course with the Training Center. Upon successful completion of the training and testing, the person must submit an application to the Division of Water Quality on forms provided by the Division, along with payment of applicable fees.

6.2. In order to be certified when qualified by rule, a person must submit an application to the Division of Water Quality, on forms provided by he Division, along with payment of applicable fees.

R317-11-7. Training and Examinations.

Training will be provided by the Training Center. Examinations will be given at the conclusion of each training session. Training will be provided at least twice per year, but may be given more often depending on the need. Persons who have received training from the USU Training Center since January 1, 1999, will not be required to repeat such training. However, they still must take and pass the examination at the times and places designated by the Training Center.

R317-11-8. Certificates.

8.1. For those required to be trained and tested in order to be certified, certificates will be issued by the Division upon receiving application including evidence that the person has received the required training and successfully passed the examination.

8.2. For those who are qualified by rule based on licensing, education, and/or experience, a certificate will be issued by the Division upon receipt of the application and evidence that the requirements of R317-11-5 above have been met.

R317-11-9. Renewal of Certification.

9.1. For those certified at Level 1 for soils evaluation and percolation testing, or Level 2 for design, inspection and maintenance of conventional underground wastewater disposal systems, certification will be valid for a period of five years from the date of issuance of a certificate under R317-11-8 above. For those certified at Level 3 for design, inspection and maintenance of alternative underground wastewater disposal systems, certification will be valid for a period of two years from the date of issuance of a certificate under R317-11-8 above. Certificate renewal will be required of those certified based on training/testing and those certified based on licensing, education and/or experience. Renewal of a certificate may be obtained by:

A. Making application to the Division along with payment of applicable fees, and

B. Showing evidence of successfully completing a refresher course as provided by the Training Center, or other training approved by the Division of Water Quality.

R317-11-10. Appeals.

Any person may request a hearing before the Board of an action or decision by the Training Center or the Division affecting that person. The person must file the appeal within 30 days of the Division's decision. The hearing will be at a time and location set by the Board. All appeals should be submitted to: Executive Secretary of the Water Quality Board, Division of Water Quality, Department of Environmental Quality, State of Utah, Salt Lake City, UT 84114-4870.

R317-11-11. Suspension or Revocation of Certification.

11.1. An individual may have his certificate suspended or revoked based on the grounds listed in subparagraph 11.2. Prior to suspension or revocation of a certification, the individual shall be informed in writing of the reasons the Executive Secretary is considering such action and shall be allowed the opportunity to submit a response prior to the Executive Secretary making a decision.

11.2. Grounds for suspending or revoking certification may be any of the following:

A. Demonstrated disregard for the public health and safety;

B. Misrepresentation or falsification of information or reports submitted to the Division;

C. Cheating on a certification exam;

D. Falsely obtaining or altering a certificate; or

E. Incompetence, misconduct or gross negligence in the performance of work done pursuant to the certification.

11.3. Suspension or revocation may result where it is shown that the circumstances and events relative to the work done pursuant to the certification were under the individual's jurisdiction and control. Circumstances beyond the control of an individual shall not be grounds for a suspension or revocation action.

11.4. Any suspension or revocation decision by the Division may be appealed to the Board. Written request for a hearing before the Board must be filed with the Division within 30 days of the decision.

R317-11-12. Certification Requirements and Effective Dates.

After January 1, 2002, no person shall design, inspect, maintain, or conduct percolation or soil tests for an underground wastewater disposal system without first obtaining certification from the Board. However, if a person has submitted an application to be certified, or has registered for training at the Training Center, prior to January 1, 2002, they are considered to be temporarily certified for purposes of this rule, and subject to R317-4 and any local health department requirements, until their application is acted upon or July 1, 2002, whichever is earlier. If a person has submitted an application to be certified, or has registered for training at the Training Center, after January 1, 2002, but before July 1, 2002, they are also considered to be temporarily certified for purposes of this rule, and subject to R317-4 and any local health department requirements, but only from the date of training registration or submittal of the application for certification until their application is acted upon or July 1, 2002, whichever is earlier. In no event shall any person be considered to be certified after July 1, 2002, unless they have successfully completed training and testing, if required, and received a certification from the Board.

KEY: waste water, occupational licensing
October 23, 2001 19-5-104

R355. Governor, Administration.

R355-2. Complaint Procedure for Americans With Disabilities Act (ADA).

R355-2-1. Authority and Purpose.

(a) This rule is promulgated pursuant to Section 67-19-32 of the Personnel Management Act and Section 63-46a-3 of the State Administrative Rulemaking Act. For purposes of this rule, the Utah Governor's Office includes the Office of the Lt. Governor, the Governor's Office of Planning and Budget, and the Office of the Commission on Criminal and Juvenile Justice. These Governor's Office entities (hereinafter; "department"), adopt and define this complaint procedure to provide for prompt and equitable resolution of complaints filed in accordance with Title II of the Americans With Disabilities Act, pursuant to 42 U.S.C. 12201.

(b) Pursuant to Section 67-19-32, no qualified individual with a disability, by reason of such disability, shall be excluded from participation in or be denied benefits of services, programs, or activities of this department, or be subjected to discrimination by this department.

R355-2-2. Definitions.

(a) "Department ADA Coordinator" means the Utah Governor's Office's coordinator, or designee, who is responsible for investigating and providing prompt and equitable resolution of complaints filed by qualified individuals with disabilities in accordance with the Americans With Disabilities Act, or provisions of this rule.

(b) "State ADA Coordinating Committee" means that committee with representatives designated by the directors of the following agencies:

(1) Governor's Office of Planning and Budget;

(2) Department of Human Resource Management;

(3) Division of Risk Management, Department of Administrative Services;

(4) Division of Facilities Construction Management, Dept. of Administrative Services; and

(5) Office of the Attorney General.

(c) "Disability" means, with respect to an individual with a disability, a physical or mental impairment that substantially limits one or more of the major life activities of such an individual; a record of such an impairment; or being regarded as having such an impairment.

(d) "Major life activities" means functions such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning, and working.

(e) "Individual with a disability" (individual) means a person who has a disability which limits one of his major life activities and who meets the essential eligibility requirement for the receipt of services or the participation in programs or activities provided by the Utah Governor's Office, or who would otherwise be an eligible applicant for vacant state positions, as well as those who are employees of the state.

R355-2-3. Filing of Complaints.

(a) The complaint shall be filed in a timely manner to assure prompt, effective assessment and consideration of the facts, but no later than 60 days from the date of the alleged act of discrimination.

(b) The complaint shall be filed with the department's ADA Coordinator in writing or in another accessible format suitable to the individual.

(c) Each complaint shall:

(1) include the individual's name and address;

(2) include the nature and extent of the individual's disability;

(3) describe the department's alleged discriminatory action in sufficient detail to inform the department of the nature and date of the alleged violation;

(4) describe the action and accommodation desired; and

(5) be signed by the individual or by his or her legal representative.

(d) Complaints filed on behalf of classes or third parties shall describe or identify by name, if possible, the alleged victims of discrimination.

R355-2-4. Investigation of Complaint.

(a) The ADA Coordinator shall conduct an investigation of each complaint received, and shall assure that all relevant facts are determined and documented. This may include gathering all information listed in Section (3)(c) of this rule if it is not made available by the individual.

(b) In conducting the investigation, the ADA Coordinator retains the option to obtain input from the department's human resource and budget staff, and the State ADA Coordinating Committee in considering what actions could be taken on the complaint that would involve:

(1) an expenditure of funds which is not absorbable within the agency's budget and would require appropriation authority;

(2) facility modifications; or

(3) personnel reclassification or reallocation in grade.

R355-2-5. Issuance of Decision.

(a) Within 15 working days after receiving the complaint, the ADA Coordinator shall issue a decision outlining in writing or another acceptable suitable format stating what action, if any, shall be taken on the complaint.

(b) If the ADA Coordinator is unable to reach a decision within the 15 working day period, he shall notify the individual with a disability in writing or by another acceptable suitable format why the decision is being delayed and what additional time is needed to reach a decision.

R355-2-6. Appeals.

(a) The individual may appeal the decision of the ADA Coordinator by filing an appeal within five working days from the receipt of the decision.

(b) The appeal shall be filed in writing with the department's Chief of Staff or a designee other than the department's ADA Coordinator.

(c) Filing of an appeal shall be considered as authorization by the individual to allow review of all information classified as private or controlled, by the Chief of Staff, or designee.

(d) The appeal shall describe in sufficient detail why the coordinator's decision is in error, is incomplete or ambiguous, is not supported by the evidence, or is otherwise improper.

(e) The Chief of Staff, or designee, shall review the factual findings of the investigation and the individual's statement

regarding the inappropriateness of the coordinator's decision and arrive at an independent conclusion and recommendation. Additional investigations may be conducted if necessary to clarify questions of fact before arriving at an independent conclusion before making a decision that would involve the Chief of Staff or designee to:

(1) an expenditure of funds which is not absorbable and would require appropriation authority;

(2) facility modifications; or

(3) reclassification or reallocation in grade; he shall also consult with the State's ADA Coordinating Committee.

(f) The decision shall be issued within ten working days after receiving the appeal and shall be in writing or in another accessible suitable format to the individual.

(g) If the Chief of Staff or his designee is unable to reach a decision within the ten working day period, he shall notify the individual in writing or by another acceptable suitable format why the decision is being delayed and the additional time needed to reach a decision.

R355-2-7. Relationship to Other Laws.

This rule does not prohibit or limit the use of remedies available to individuals under the State Anti-Discrimination Complaint Procedures (Section 67-19-32); the Federal ADA Complaint Procedures (28 CFR Part 35.170, 1992 edition); or any other Utah State or federal law that provides equal or greater protection for the rights of individuals with disabilities.

KEY: disabilities act, ADA, grievance
November 19, 1996 67-19-32
Notice of Continuation October 10, 2001

R380. Health, Administration.
R380-200. Patient Safety Sentinel Event Reporting.
R380-200-1. Purpose and Authority.

(1) This rule establishes a patient safety sentinel event reporting program. It requires certain health care facilities to report serious patient injuries and to allow an independent, external review of and response to the thoroughness and credibility of the processes of investigating and responding to these events. The reporting under this rule will also help the Department and health care providers to understand patterns of failures in the health care system and to recommend statewide resolutions. It limits access to identifiable health information that facilities report to the Department under this rule.

(2) This rule is authorized by Utah Code Subsections 26-1-30(2)(a), (b), (d), (e), and (g) and Section 26-3-8.

R380-200-2. Definitions.

"Facility" means a general acute hospital, critical access hospital, ambulatory surgical center, psychiatric hospital, orthopedic hospital, rehabilitation hospital, chemical dependency/substance abuse hospital or chronic disease hospital as those terms are defined in Title 26, Chapter 21.

"Incident facility" means a facility where the patient safety sentinel event occurred.

"Patient safety sentinel event" means an event that must be reported under section 3 of this rule.

"Root cause analysis" means a process for identifying the basic or causal factor(s) that underlie variation in performance, resulting in the occurrence or possible occurrence of a patient safety sentinel event.

R380-200-3. Reporting of Patient Safety Sentinel Events.

(1) Each facility shall report to the Department all patient safety sentinel events.

(2) Patient safety sentinel events include:

(a) all deaths that occur at the facility and that are directly related to any clinical service or process provided to a patient for which the patient at the time of death:

(i) was not subject to a "do not resuscitate" order;

(ii) was not in a critical care unit, except where the patient is transferred to a critical care unit as a consequence of a patient safety sentinel event that occurs elsewhere in the facility ;

(iii) was not in the emergency room or operating room having presented in the last 24 hours with a Glasgow score of 9 or lower;

(b) events that occur in the facility and that are directly related to any clinical service or process provided to a patient and which result in:

(i) surgery on the wrong patient or wrong body part;

(ii) suicide of a patient; or

(iii) major loss of physical or mental function not related to the natural course of the patient's illness or underlying condition; and

(c) events that occur in the facility and that are not directly related to clinical services provided to a patient and which result in an alleged:

(i) patient abduction;

(ii) discharge of an infant to the wrong family;

(iii) rape of a patient;

(iv) intentional injury to a patient, whether by staff or others; or

(v) suicide of a patient.

(3) The incident facility shall report the patient safety sentinel event to the Department within seventy-two hours of the facility's determination, but in no event later than four hours prior to convening a formal root cause analysis.

(4) The report shall be submitted in a Department-approved paper or electronic format and shall include at a minimum:

(a) the specific unit within the facility where the patient safety sentinel event occurred;

(b) the patient's age and gender;

(c) the patient's admitting diagnosis;

(d) each of the patient's current or discharge diagnoses;

(e) a short narrative description of the patient safety sentinel event; and

(f) the name and phone number of the facility lead individual who will lead the facility's root cause analysis for the reported event.

R380-200-4. Root Cause Analysis.

(1) The incident facility shall establish a root cause analysis process and designate a responsible individual to be the facility lead for each patient safety sentinel event.

(2) The Department representative may participate in the facility's root cause analysis in a consultative role with the facility lead to enhance the credibility and thoroughness of the root cause analysis. The Department shall notify the facility lead within 72 hours of receiving the report of the patient safety sentinel event if it intends to participate in the facility's root cause analysis. The Department representative shall not be present at the facility's internal root cause analysis meetings unless invited by the facility lead.

(3) Participation in the facility's root cause analysis by the Department representative shall not be construed to imply Department endorsement of the facility's final findings or action plan.

(4) The incident facility and the Department shall each make reasonable accommodations when necessary to allow for the Department representative's participation in the root cause analysis.

(5) If, during the review process, the Department representative discovers problems with the facility's processes that limit either the thoroughness or credibility of the findings or recommendations, the representative shall report these to the designated responsible individual orally within 24 hours of discovery and in writing within 72 hours.

(6) The facility shall conduct a root cause analysis which is thorough and credible to determine whether a reasonable system change would likely prevent a patient safety sentinel event in similar circumstances.

(7) The root cause analysis shall:

(a) focus primarily on systems and processes, not individual performance;

(b) progress from specific, direct causes in clinical processes to contributing causes in organizational processes;

(c) seek to determine related and underlying causes for identified causes; and

(d) identify changes which could be made in systems and processes, either through redesign or development of new systems or processes, that would reduce the risk of such events occurring in the future.

(8) The Department shall determine the root cause analysis to be thorough if it:

(a) involves a complete review of the patient safety sentinel event including interviews with all readily identifiable witnesses and participants and a review of all related documentation;

(b) identifies the human and other factors in the chain of events leading to the final patient safety sentinel event, and the process and system limitations related to their occurrence;

(c) searches readily retrievable records to analyze the underlying systems and processes to determine where redesign might reduce risk;

(d) inquires into all areas appropriate to the specific type of event as described in the Joint Commission for the Accreditation of Healthcare Organizations'"Minimum Scope of Root Cause Analysis for Specific Types of Sentinel Events" found at http://www.jcaho.org/sentinel/rcamatrx.html, last viewed on June 1, 2001, which is incorporated by reference.

(e) makes reasonable attempts to identify and analyze trends of similar events which have occurred at the facility in the past;

(f) identifying risk points and their potential contributions to this type of event; and

(g) determines potential improvement in processes or systems that would tend to decrease the likelihood of such events in the future, or determining, after analysis, that no such improvement opportunities exist.

(9) The Department shall determine the root cause analysis to be credible if it:

(a) is led by someone with training in root cause analysis processes and who was not involved in the patient safety sentinel event;

(b) involves, if necessary, consultation with either internal or external experts in the processes in question who were not involved in the patient safety sentinel event;

(c) includes participation by the leadership of the organization and by the individuals most closely involved in the processes and systems under review;

(d) is internally consistent, i.e., not contradicting itself or leaving obvious questions unanswered;

(e) provides an explanation for all findings of "not applicable" or "no problem;" and

(f) includes consideration of relevant, available literature.

R380-200-5. Reports and Action Plan.

(1) Within 45 days of determination of the patient safety sentinel event, the incident facility shall develop an action plan that:

(a) identifies changes that can be implemented to reduce risk, or formulates a rationale for not implementing changes; and

(b) where improvement actions are planned, identifies who is responsible for implementation, when the action will be implemented (including any pilot testing), and how the effectiveness of the actions will be evaluated.

(2) Within 14 days of the development of the action plan, the incident facility shall provide a final report to the facility's administration and the Department in a Department-approved paper or electronic format that includes:

(a) a one sentence description of the patient safety sentinel event;

(b) a brief summary of each of the findings of the root cause analysis; and

(c) a brief summary of each of the action plan steps.

(4) If the Department representative identifies problems with the processes that limit the thoroughness or credibility of the findings and recommendations and that have not been corrected after reporting them to the designated responsible individual, the representative may submit a separate written dissenting report to the administrator of the incident facility, and the Department.

(5) The incident facility may seek review of the dissenting report by filing a request for agency as allowed by the Utah Administrative Procedures Act and Department rule. If a dissenting report is not challenged or is upheld on review:

(a) the facility shall include it in the facility's records of the root cause analysis; and

(b) the Department may forward it, together with the facility's report, to the appropriate state agencies responsible for licensing the facility.

R380-200-6. Confidentiality.

(1) Information that the Department holds under this rule is confidential under the provisions of Title 26, Chapter 3. Because of the public interest needs to foster health care systems improvements, the Department exercises its discretion under Section 26-3-8 and shall not release information collected under this rule to any person pursuant to the provisions of Subsections 26-3-7(1) or (8).

(2) Information produced or collected by a facility is confidential and privileged under the provisions of Title 26, Chapter 25.

R380-200-7. Extensions and Waivers.

(1) The Department may grant an extension of any time requirement of this rule if the facility demonstrates that the delay is due to factors beyond its control or that the delay will not adversely affect the required root cause analysis and the purposes of this rule. A facility requesting a waiver must submit the request to the department representative prior to the deadline for the required action.

(2) The Department may grant a waiver of any other provision of this rule if the facility demonstrates that the waiver will not adversely affect the required root cause analysis and the purposes of this rule.

R380-200-8. Penalties.

As required by Section 63-46a-3(5): An entity that violates any provision of this rule may be assessed a civil money penalty not to exceed the sum of $5,000 or be punished for violation of a class B misdemeanor for the first violation and for any subsequent similar violation within two years for violation of a class A misdemeanor as provided in Section 26-23-6.

KEY: hospital, injury prevention, quality improvement,

patient safety

October 15, 2001	**26-1-30(2)(a)**
	26-1-30(2)(b)
	26-1-30(2)(d)
	26-1-30(2)(e)
	26-1-30(2)(g)
	26-3-8

R380. Health, Administration.
R380-210. Health Care Facility Patient Safety Program.
R380-210-1. Purpose and Authority.

(1) This rule establishes the requirement for designated facilities to have a patient safety program and have in place effective internal patient safety processes for specified problems. The reporting under this rule will also help the Department and health care providers to understand patterns of system failures in the health care delivery system and, where appropriate, to recommend statewide improvements to reduce the incidence of patient injuries. It limits access to identifiable health information that facilities report to the Department under this rule.

(2) This rule is authorized by Utah Code Subsections 26-1-30(2)(a), (b), (d), (e), and (g) and Section 26-3-8.

R380-210-2. Definitions.

"Adverse drug event" means any event involving a medication that causes or leads to patient harm, while the medication is in the control of the facility. Such events may be related to professional practice, health care products, procedures, and systems including: prescribing; order communication; product labeling, packaging and nomenclature; compounding; dispensing; distribution; administration; education; monitoring; and use."

"Facility" means a general acute hospital, critical access hospital, ambulatory surgical center, psychiatric hospital, orthopedic hospital, rehabilitation hospital, chemical dependency/substance abuse hospital or chronic disease hospital as those terms are defined in Title 26, Chapter 21.

"Harm" means death or temporary or permanent impairment of body function or structure requiring intervention such as:

(1) a change in monitoring the patient's condition;
(2) a change in therapy; or
(3) active medical or surgical treatment.

R380-210-3. Patient Injury Identification.

(1) Each facility shall implement processes to effectively identify and report to the Department the incidence of all:

(a) adverse drug events.

(2) Reporting to the Department may occur through established, statewide, electronic health care facility reporting systems managed by the Department.

(3) The report shall include codes applicable to the event from the current International Classification of Diseases Clinical Modification (ICD-CM) diagnosis coding, including codes for external cause of injury (E-codes) and codes for place of occurrence.

(4) Each facility shall have the implementation and accuracy of the internal patient safety identification processes required in R380-210-3(1) audited every three years by an independent auditor approved by the Department's Facility Licensing Committee.

R380-210-4. Patient Injury Reduction.

(1) Each facility shall implement processes that are effective in reducing the incidence of:

(a) adverse drug events.

(2) Each facility shall have the implementation and effectiveness of the internal patient injury reduction processes required in R380-210-4(1) audited every three years by an independent auditor approved by the Department's Facility Licensing Committee.

R380-210-5. Confidentiality.

(1) Information that the Department holds under this rule is confidential under the provisions of Title 26, Chapter 3. Because of the public interest needs to foster health care systems improvements, the Department exercises its discretion under Section 26-3-8 and shall not release information collected under this rule to any person pursuant the provisions of Subsections 26-3-7(1) or (8).

(2) Information produced or collected by a facility is confidential and privileged under the provisions of Title 26, Chapter 25.

R380-210-6. Penalties.

As required by Section 63-46a-3(5): An entity that violates any provision of this rule may be assessed a civil money penalty not to exceed the sum of $5,000 or be punished for violation of a class B misdemeanor for the first violation and for any subsequent similar violation within two years for violation of a class A misdemeanor as provided in Section 26-23-6.

KEY: hospital, injury prevention, quality improvement, patient safety

October 15, 2001 **26-1-30(2)(a)**
26-1-30(2)(b)
26-1-30(2)(d)
26-1-30(2)(e)
26-1-30(2)(g)
26-3-8

R414. Health, Health Care Financing, Coverage and Reimbursement Policy.

R414-3A. Outpatient Hospital Services.

R414-3A-100. Authority and Purpose.

(1) This rule defines the scope of outpatient hospital services available to Medicaid clients.

(2) Outpatient hospital services are required under Section 1901 et seq. and Section 1905(a)(2) of the Social Security Act, and by 42 CFR 440.20 (October 1, 1991, edition).

(3) This rule is authorized by Sections 26-1-5, 26-1-15, and 26-18-6, and by Subsections 26-18-3(2) and 26-18-5(3) and (4).

R414-3A-200. Definitions.

(1) Terms used in this rule are defined in R414-1-1.

(2) In addition:

(a) "CHEC" stands for Childhood Health Evaluation and Care, which is the Utah-specific term for the federally mandated program of early and periodic screening, diagnosis, and treatment for children under the age of 21;

(b) "covered Medicaid service" means a service available to the eligible Medicaid client within the constraints of Medicaid policy and criteria for approval of the service;

(c) "Emergency Services Only Program" refers to a health program designed to cover a specific range of emergency services;

(d) "EPSDT" stands for Early and Periodic Screening, Diagnosis, and Treatment, which is a federal program applicable to children under age 21;

(e) "other practitioner of the healing arts" means a doctor of osteopathy, doctor of dental surgery or dental medicine, or doctor of podiatric medicine;

(f) "outpatient" means an individual who is receiving professional services at a hospital, or distinct part of a hospital, that is not providing professional services and room and board on a continuous 24-hour-a-day basis;

(g) "outpatient hospital" or "hospital" means a facility that:

(i) is in, or physically connected to, a hospital licensed by the department as a general hospital, as defined by Section 26-21-2(8), and meets the standards set forth in R432-100 and 42 CFR Part 482 (October 1, 1991, edition);

(ii) meets the requirements for participation in the Medicare program; and

(iii) has a current provider agreement with the department;

(h) "personal supervision" means critical observation and guidance by a physician of a nonphysician's activities within the nonphysician's licensed scope of service;

(i) "prior authorization" means the degree of Medicaid agency approval for payment of services that a provider is required to obtain before providing services;

(j) "take-home supplies" means any medical supplies or equipment to be utilized by the patient at home for follow-up care.

R414-3A-300. Program Access Requirements.

(1) Outpatient hospital services may be provided only to a client who is under the care of a physician or other practitioner of the healing arts.

(2) Outpatient hospital services and supplies must be furnished:

(a) in a hospital;

(b) by hospital personnel;

(c) under hospital medical staff supervision; and

(d) according to the written orders of a physician or other practitioner of the healing arts.

(3) All outpatient hospital services are subject to review by the department.

(4) Outpatient hospital psychiatric services are covered Medicaid services for clients who live in the counties identified in Table 1 only when such services are coordinated through the contractor identified for the specified county:

TABLE 1

I.	Counties:	Salt Lake County Summit County
	Contractor:	Salt Lake Valley Mental Health, Salt Lake City, Utah
II.	Counties:	Carbon County Emery County Grand County
	Contractor:	Four Corners Community Mental Health Center, Price, Utah
III.	Counties:	Beaver County Garfield County Kane County Iron County Washington County
	Contractor:	Southwest Utah Mental Health Center, St. George, Utah

R414-3A-400. Services.

(1) Outpatient hospital services encompass medically necessary diagnostic and therapeutic services or supplies that are ordered by a physician or other practitioner of the healing arts and appropriate for the adequate diagnosis or treatment of a client's illness.

(2) Outpatient hospital services include:

(a) the service of nurses or other personnel necessary to complete the service and provide patient care during the provision of service;

(b) the use of hospital facilities, equipment, and supplies; and

(c) the technical portion of clinical laboratory and radiology services.

(3) Services associated with pregnancy, labor, and delivery are covered Medicaid services.

(4) Cosmetic, reconstructive, or plastic surgery is limited to:

(a) correction of a congenital anomaly;

(b) restoration of body form following an accidental injury; or

(c) revision of severe disfiguring and extensive scars resulting from neoplastic surgery.

(5) Abortion procedures are limited to those certified as medically necessary, approved by division consultants, and determined to meet the requirements of Section 26-18-4 and 42 CFR 441.203 (October 1, 1991, edition), which is incorporated by reference.

(6) Sterilization procedures are limited to those that meet the requirements of 42 CFR 441, Subpart F (October 1, 1991, edition), which is incorporated by reference.

(7) Outpatient hospital psychiatric services are limited to services provided in an outpatient unit of a hospital that is licensed or approved for psychiatric care.

(8) Nonphysician psychosocial counseling services shall be provided only by a licensed psychologist; and are limited to psychosocial evaluations for:

(a) mentally retarded persons;

(b) cases identified through a CHEC/EPSDT screening; or

(c) victims of sexual abuse.

(9) Occupational therapy is limited to cases identified and approved through a CHEC/EPSDT screening.

R414-3A-500. Limitations.

(1) Outpatient hospital services are limited to services accepted by the department as medically necessary and appropriate services and may exclude some unique services established by hospitals as outpatient services as set forth on the department prior approval list.

(2) Treatment of syndromes or disorders for which no specific therapies have been identified except for therapies that border on behavior modification or experimental or unproven practices, or for which medical necessity, appropriate utilization, and cost effectiveness cannot be assured, are not dovered Medicaid services. The treatments are:

(a) treatment of sleep apnea, or sleep studies, or both;

(b) pain clinic services;

(c) treatment of eating disorders.

(3) Miscellaneous supplies, dressings, and durable medical equipment are not covered take-home supplies.

(4) Outpatient prescriptions are not a covered Medicaid benefit for a patient with the designation "Emergency Services Only Program" printed on his Medical Identification Card.

(5) Cosmetic, reconstructive, and plastic surgery procedures other than those specified in R414-3A-400(4) are excluded from coverage, including all related services, supplies, and any institutional costs.

R414-3A-600. Prior Authorization.

(1) Selected medical and surgical procedures, documented in the Division of Health Care Financing Medical and Surgical Procedures Prior Authorization List, April 1, 1992, which is incorporated by reference and maintained in the Outpatient Hospital Provider Manual, require prior authorization. Some procedures on this list are also limited to place of service. This list defines the prior authorization requirements for specific procedures referenced in Subsections R414-3A-600(2), (3), and (4), and is updated yearly in accordance with the federally mandated Health Common Procedure Coding System (HCPCS) update and in accordance with R414-26. Other related documentation determined by the department to be necessary to determining the appropriateness and medical necessity of proposed services may be requested.

(2) Sterilization procedures require prior authorization and consent.

(3) Abortion procedures require prior authorization and consent.

(4) Outpatient hospital psychiatric services require prior authorization after the first 12 sessions per calendar year.

R414-3A-800. Co-payment Policy.

This rule establishes Medicaid co-payment policy for outpatient hospital services for Medicaid clients who are not in any of the federal categories exempted from co-payment requirements. The rule is authorized by 42 CFR 447.15 and 447.50, Oct. 1, 2000 ed., which are adopted and incorporated by reference.

(1) The Department shall impose a co-payment in the amount of $2 for each outpatient visit when a non-exempt Medicaid client, as designated on his Medicaid card, receives that outpatient service. The Department shall limit the out-of-pocket expense of the Medicaid client to $100 annually. (Co-payments for pharmacy services will continue to be limited to $5.00 per month.)

(2) The Department shall deduct $2 from the reimbursement paid to the provider for each outpatient visit, up to the $100 annually for each client.

(3) The provider should collect the co-payment amount from the Medicaid client for each outpatient visit, limited to one per day.

(4) Medicaid clients in the following categories are exempt from co-payment requirements:

(a) children;

(b) pregnant women;

(c) institutionalized individuals;

(d) individuals whose total gross income, before exclusions or deductions, is below the Temporary Assistance to Needy Families (TANF) standard payment allowance. These individuals must indicate their income status to their eligibility case worker on a monthly basis to maintain their exemption from the co-payment requirements.

(5) Outpatient services for family planning purposes are exempt from the co-payment requirements.

KEY: medicaid

November 1, 2001	**26-1-5**
Notice of Continuation December 2, 1997	**26-1-15**
	26-18-2.3
	26-18-3(2)
	26-18-5(3)
	26-18-5(4)
	26-18-6

R414. Health, Health Care Financing, Coverage and Reimbursement Policy.

R414-10. Physician Services.

R414-10-1. Introduction and Authority.

(1) The Physician Services Program provides a scope of physician services to meet the basic medical needs of eligible Medicaid recipients. It encompasses the art and science of caring for those who are ill through the practice of medicine or osteopathy defined in Title 58, Chapter 12, UCA.

(2) Physician services are a mandatory Medicaid, Title XIX, program authorized by Sections 1901 and 1905(a)(1) of the Social Security Act, 42 CFR 440.50, October 1996 edition, and Sections 26-1-5 and 26-18-3, UCA.

R414-10-2. Definitions.

In addition to the definitions in R414-1, the following definitions apply to this rule:

(1) "Childhood health evaluation and care" (CHEC) means the Utah-specific term for the federally mandated program of early and periodic screening, diagnosis, and treatment for children under the age of 21.

(2) "Client" means an individual eligible to receive covered Medicaid services from an enrolled Medicaid provider.

(3) "Clinical Laboratory Improvement Amendments" (CLIA) means the federal Health Care Financing Administration program that limits reimbursement for laboratory services based on the equipment and capability of the physician or laboratory to provide an appropriate, competent level of laboratory service.

(4) "Cognitive services" means non-invasive diagnostic, therapeutic, or preventive office visits, hospital visits, therapy, and related nonsurgical services.

(5) "Covered Medicaid service" means service available to the eligible Medicaid client within the constraints of Medicaid policy and criteria for approval of service.

(6) "Current Procedural Terminology" (CPT) means the manual published by the American Medical Association that provides a systematic listing and coding of procedures and services performed by physicians and simplifies the reporting of services, which is adopted and incorporated by reference. Some limitations are addressed in R414-26.

(7) "Early and periodic screening, diagnosis, and treatment" (EPSDT) means the federally mandated program for children under the age of 21.

(8) "Family planning" means diagnosis, treatment, medications, supplies, devices, and related counseling in family planning methods to prevent or delay pregnancy.

(9) "Health Common Procedures Coding System" (HCPCS) means a system mandated by the Health Care Financing Administration to code procedures and services. This system utilizes the CPT Manual for physicians, and individually developed service codes and definitions for nonphysician providers. The coding system is used to provide consistency in determining payment for services provided by physicians and noninstitutional providers.

(10) "Intensive, inpatient hospital rehabilitation service" means an intense rehabilitation program provided in an acute care general hospital through the services of a multidisciplinary, coordinated, team approach directed toward improving the ability of the patient to function.

(11) "Package surgical procedures" means preoperative office visits and preparation, the operation, local infiltration, topical or regional anesthesia when used, and the normal, uncomplicated follow-up care extending up to six weeks post-surgery.

(12) "Patient" means an individual who is receiving covered professional services provided or directed by a licensed practitioner of the healing arts enrolled as a Medicaid provider.

(13) "Personal supervision" means the critical observation and guidance of medical services by a physician of a nonphysician's activities within that nonphysician's licensed scope of practice.

(14) "Physician services," whether furnished in the office, the recipient's home, a hospital, a skilled nursing facility, or elsewhere, means services provided:

(a) within the scope of practice of medicine or osteopathy; and

(b) by or under the personal supervision of an individual licensed to practice medicine or osteopathy.

(15) "Prior authorization" means the required approval for provision of a service, that the provider must obtain from the Department before providing that service.

(16) "Professional component" means that part of laboratory or radiology service that may be provided only by a physician capable of analyzing a procedure or service and providing a written report of findings.

(17) "Provider" means an entity or a licensed practitioner of the healing arts providing approved Medicaid services to patients under a provider agreement with the Department.

(18) "Services" means the types of medical assistance specified in Sections 1905(a)(1) through (25) of the Social Security Act and interpreted in 42 CFR 440, October 1996 edition, which are adopted and incorporated by reference.

(19) "Technical component" means that part of laboratory or radiology service necessary to secure a specimen and prepare it for analysis, or to take an x-ray and prepare it for reading and interpretation.

R414-10-3. Client Eligibility Requirements.

Physician services are available to categorically and medically needy eligible individuals.

R414-10-4. Program Access Requirements.

(1) Physician services are available only from a physician who meets all requirements necessary to participate in the Utah Medicaid Program and who has signed a provider agreement.

(2) Physician services are available only from a physician who renders medically necessary physician services in accordance with his specific provider agreement and with Department rules.

(3) An eligible Medicaid client may seek physician services from:

(a) a physician in private practice who is an enrolled Medicaid provider;

(b) a Health Maintenance Organization (HMO) that has a contract with the Department;

(c) a federally qualified community health center; or

(d) any other organized practice setting recognized by the Department for providing physician services.

R414-10-5. Service Coverage.

(1) Physician services involve direct patient care and securing and supervising appropriate diagnostic ancillary tests or services in order to diagnose the existence, nature, or extent of illness, injury, or disability. In addition, physician services involve establishing a course of medically necessary treatment designed to prevent or minimize the adverse effects of human disease, pain, illness, injury, infirmity, deformity, or other impairments to a client's physical or mental health.

(2) Physician services may be provided only within the parameters of accepted medical practice and are subject to limitations and exclusions established by the Department on the basis of medical necessity, appropriateness, and utilization control considerations.

(3) Program limitations and noncovered services are established by specific program policy maintained in the Physician Provider Manual and updated by notification through Medicaid Information Bulletins. Following is a general list of medical and health care services excluded from coverage:

(a) Services rendered during a period the recipient was ineligible for Medicaid;

(b) Services medically unnecessary or unreasonable;

(c) Services which fail to meet existing standards of professional practice, or which are currently professionally unacceptable;

(d) Services requiring prior authorization, but for which such authorization was not received;

(e) Services, elective in nature, based on patient request or individual preference rather than medical necessity;

(f) Services fraudulently claimed;

(g) Services which represent abuse or overuse;

(h) Services rejected or disallowed by Medicare when the rejection was based upon any of the reasons listed above.

(i) Services for which third party payors are primarily responsible, e.g., Medicare, private health insurance, liability insurance. Medicaid may make a partial payment up to the Medicaid maximum if the limit has not been reached by a third party.

(j) If a procedure or service is not covered for any of the above reasons or because of specific policy exclusion, all related services and supplies, including institutional costs, are excluded for the standard post operative recovery period.

(4) Experimental or medically unproven physician services or procedures are excluded from coverage. Criteria established and approved by the Department staff and physician consultants are used to identify noncovered services and procedures. Policy statements developed by the Department of Health and Human Services, Health Care Financing Administration, Coverage Issues Bureau, are also used to determine Department policy for noncovered services.

(5) Certain services are excluded from coverage because medical necessity, appropriate utilization, and cost effectiveness of the services cannot be assured. A variety of lifestyle factors contribute to the "syndromes" associated with such services, and there is no specific therapy or treatment identified except for those that border on behavior modification, experimental, or unproven practices. Services include:

(a) Sleep apnea or sleep studies, or both;

(b) pain clinics; and

(c) Eating disorders clinics.

(6) When a service or procedure does not qualify for coverage under the Medicaid program because it is an elective cosmetic, reconstructive, or plastic surgery, all related services, supplies, and institutional costs are excluded from coverage.

(7) Medications for appetite suppression, surgical procedures, unproven or experimental treatments, or educational, nutritional support programs for the treatment of obesity or weight control, are excluded from coverage.

(8) Cognitive or Office Services:

(a) Cognitive services by a provider are limited to one service per client per day. These services are defined as office visits, hospital visits except for those following a package surgical procedure, therapy visits, and other types of nonsurgical services. When a second office visit for the same problem or a hospital admission occurs on the same date as another service, the physician shall combine the services as one service and select a procedure code that indicates the overall care given.

(b) Routine physical examinations, not part of an otherwise medically necessary service, are excluded from coverage, except in the following circumstances:

(i) Preschool and school age children, including those who are EPSDT (CHEC) eligible, participating in the ongoing CHEC program of scheduled services and follow-up care.

(ii) New patients seeing a physician for the first time with an initial complaint where a comprehensive physical examination, including a medical and social history, is necessary.

(iii) Medically necessary examinations associated with birth control medication, devices, and instructions.

(c) Family planning services may be provided only by or under the supervision of a physician and only to individuals of childbearing age, including sexually active minors. The following services are excluded from coverage as family planning services:

(i) Experimental or unproven medical procedures, practices, or medication.

(ii) Surgical procedures for the reversal of previous elective sterilization, both male and female.

(iii) Infertility studies.

(iv) In-vitro fertilization.

(v) Artificial insemination.

(vi) Surrogate motherhood, including all services, tests, and related charges.

(vii) Abortion, except where the life of the mother would be endangered if the fetus were carried to term, or where pregnancy is the result of rape or incest.

(d) After-hours service codes may be used only by a private physician, primary care provider, who responds to treat a patient in the physician's private office for a medical emergency, accident, or injury after regular office hours. Only one of the after hours CPT codes may be used per visit.

(e) Laboratory services provided by a physician in his office are limited to the waived tests or those types of laboratory tests identified by the federal Health Care Financing Administration for which each individual physician is CLIA certified to provide, bill, and receive Medicaid payment.

(f) A specimen collection fee is covered for service in a physician's office only when a specimen is to be sent to an

outside laboratory, and the physician or one of his office staff under his personal supervision actually extracts the specimen from a patient, and only by one of the following tasks:

(i) Drawing a blood sample through venipuncture, i.e., inserting into a vein a needle with syringe or vacutainer to draw the specimen; or

(ii) Collecting a urine sample by catheterization.

(iii) A drawing fee for finger, heel, or ear sticks is limited to only infants under the age of two years.

(g) Eye examinations are covered, but only once each calendar year.

(h) Contact lenses are covered only for aphakia, nystagmus, keratoconus, severe corneal distortion, cataract surgery, and in those cases where visual acuity cannot be corrected to at least 20/70 in the better eye.

(9) Psychiatric Services:

(a) Psychiatric services or psychosocial diagnosis and counseling are specialty medical services. Psychiatric services, whether in a private office, a group practice, or private clinic setting, may only be provided directly and documented and billed to the Department by the private physician. Charting and documentation must clearly reflect the private physician's direct provision of care.

(b) Nonphysician psychosocial counseling services are excluded from coverage as a Medicaid benefit. The personal supervision policy, R414-45, may not be applied to psychiatric services.

(c) Admission to a general hospital for psychiatric care by a physician requires prior authorization and is limited to those cases determined by established criteria and utilization review standards to be of a severity that appropriate intensity of service cannot be provided in any alternate setting.

(d) Coverage for treatment of organic brain disease is limited to that provided by the primary care provider.

(10) Laboratory and Radiology Services:

(a) Physicians prepared in a highly specialized field of practice, e.g., neurology or neurosurgery, who provide consultation and diagnostic radiology services in an independent setting at the request of a private physician may bill for both the technical and professional component of the radiology service.

(b) Dermatologists with specialized preparation in pathology services specifically for the skin may provide and bill for those services.

(11) Hospital Services:

(a) A patient hospitalized for nonsurgical services may require more than one visit per day because of the patient's condition and treatment needs. Since physician visits are limited to one per day, the physician shall select one procedure code to define the overall care given. If intensive care services are provided, or critical care service codes are used to define service provided, the Department requires additional documentation from the physician. The medical record must show documentation of medical necessity and result of the additional service.

(b) If, for the convenience of the physician and not for medical necessity, a patient is transferred between physicians within the same hospital or from one hospital to another hospital, both physicians may only use subsequent hospital care service codes to define and bill for services provided. Under this policy limitation, services associated with the following codes are excluded from coverage as a Medicaid benefit:

(i) Consultation; and

(ii) Initial hospital care services.

(c) Treatment of alcoholism or drug dependency in an inpatient setting is limited to acute care for detoxification only.

(d) Services for pregnant women who do not meet United States residency requirements (undocumented aliens) are limited to only hospital admission for labor and delivery. Medicaid does not cover prenatal services.

(12) Abortion, Sterilization and Hysterectomy:

(a) Abortion procedures are limited to:

(i) those where the pregnancy is the result of rape or incest; or

(ii) a case with medical certification of necessity where a woman suffers from a physical disorder, physical injury, or physical illness, including a life-endangering physical condition caused by or arising from the pregnancy itself that would, as certified by a physician, place the woman in danger of death unless an abortion is performed.

(b) Sterilization and hysterectomy procedures are limited to those which meet the requirements of 42 CFR 441, Subpart F, October 1996 edition, which is adopted and incorporated by reference.

(13) Cosmetic, Plastic, or Reconstructive Services:

(a) Cosmetic, plastic, or reconstructive surgery procedures may only be covered when medically necessary to:

(i) correct a congenital anomaly;

(ii) restore body form or function following an accidental injury; or

(iii) revise severe disfiguring and extensive scarring resulting from neoplastic surgery.

(14) Surgical Services:

(a) Surgical procedures defined and coded in the CPT Manual are limited by Utah Medicaid policy to prior authorization, or are excluded from coverage. Limitations are documented on the Medical and Surgical Procedures Prior Authorization List, reviewed and revised yearly and maintained in the Physician Provider Manual through notification by Provider Bulletins.

(b) Surgical procedures are "package" services. The package service includes:

(i) the preoperative examination, initiation of the hospital record, and development of a treatment program either in the physician's office on the day before admission, or in the hospital or the physician's office on the same day as admission to the hospital;

(ii) the operation;

(iii) any topical, local, or regional anesthesia; and

(iv) the normal, uncomplicated follow-up care covering the period of hospitalization and office follow-up for progress checks or any service directly related to the surgical procedure for up to six weeks post surgery.

(c) Interpretation of "package" services:

(i) A physician may not bill for an office visit the day prior to surgery, for preadmission or admission workup, or for subsequent hospital care while the patient is being prepared, hospitalized, or under care for a "package" surgical service.

(ii) Consultation services may be billed by the consulting

physician only when consultation and no other service is provided. When a consulting physician admits and follows a patient, independently or concurrently with the primary physician, only admission codes and subsequent care codes may be used.

(iii) Office visits for up to six weeks following the hospitalization which relate to the same diagnosis are part of the "package" service. The only exception to either inpatient or office service is for service related to complications, exacerbations, or recurrence of other diseases or problems requiring additional or separate service.

(d) Procedures exempt from the "package" definition are identified in the CPT Manual by an asterisk. The CPT Manual outlines the surgical guidelines which apply to documentation and billing of procedures marked by an asterisk.

(e) Complications, exacerbations, recurrence, or the presence of other diseases or injuries requiring services concurrent with the initial surgical procedure during the listed period of normal follow-up care, may warrant additional charges only when the record shows extensive documentation and justification of additional services.

(f) When an additional surgical procedure is carried out within the listed period of follow-up care for a previous surgery, the follow-up periods continue concurrently to their normal terminations.

(g) Preoperative examination and planning are covered as separate services only in the following circumstances:

(i) When the preoperative visit is the initial visit for the physician and prolonged detention or evaluation is required to establish a diagnosis, determine the need for a specific surgical procedure, or prepare the patient;

(ii) When the preoperative visit is a consultation and the consulting physician does not assume care of the patient; or

(iii) When diagnostic procedures, not part of the basic surgical procedure, e.g., bronchoscopy prior to chest surgery, are provided during the immediate preoperative period.

(h) Exploratory laparotomy procedures confirm a diagnosis and determine the extent of necessary treatment. A physician may request payment only if the exploratory procedure is the only procedure done during an operative session.

(i) The services of an assistant surgeon are specialty services to be provided only by a licensed physician, and are covered only on very complex surgical procedures. Procedures not authorized for assistant surgeon coverage are listed in the Physician Provider Manual and updated by Medicaid Provider Bulletins as necessary. Medicare guidelines for limitation of assistant surgeon coverage are used, since those decisions are made at the national level with physician consultation.

(j) Medicaid does not cover surgical procedures, experimental therapies, or educational, nutritional, support programs for treatment of obesity or weight control.

(15) Diagnostic and Therapeutic Procedures:

(a) Diagnostic needle procedures, e.g., lumbar puncture, thoracentesis, and jugular, femoral vein, or subdural taps, when performed as part of a necessary workup for a serious medical illness or injury, are covered in addition to other medical care on the same day.

(b) Diagnostic "oscopy" procedures, e.g., endoscopy, bronchoscopy, and laparoscopy, are covered separately from any major surgical procedure. However, when an "oscopy" procedure is done the same day or at the same operative session as another procedure, the "oscopy" procedure may only be covered as a multiple procedure.

(c) Magnetic resonance imaging (MRI) is covered only for service to the brain, spinal cord, hip, thigh and abdomen.

(d) Therapeutic needle procedures, e.g., scalp vein insertion, injections into cavities, nerve blocks, are covered in addition to other medical care on the same day.

(e) Puncture of a cavity or joint for aspiration followed by injection of a medication is covered as one procedure and identified by specific CPT code.

(16) Anesthesia Services:

Anesthesia services are covered only when administered by a licensed anesthesiologist or nurse anesthetist who remains in attendance for the sole purpose of rendering general anesthesia services. Standby or monitoring by the anesthesiologist or anesthetist during local anesthesia is not a covered Medicaid anesthesia service.

(17) Transplant Services:

Except for kidney and cornea transplants, Medicaid limits organ transplant services to those procedures for which selection criteria have been approved and documented in R414-10A.

(18) Modifiers:

Modifiers may be used only, as defined in the CPT Manual, to show that a service or procedure has been altered to some degree but not changed in definition or code. The following limitations apply:

(a) The professional component, modifier 26, may be used only with laboratory and radiology service codes and only when direct analysis, interpretation, and written report of findings are provided by a physician on a laboratory or radiology procedure.

(b) Unusual services are identified by use of modifier 22, along with the appropriate CPT code. A prepayment review of unusual services shall be completed by Medicaid professional staff or physician consultants. A report of the service and any important supporting documentation must be submitted with the claim for review.

(c) Anesthesia by surgeon is identified by use of modifier 47. The operating surgeon may not use modifier 47 in addition to the basic procedure code. Anesthesia provided by the surgeon is part of the basic procedure being provided.

(d) Mandated services as defined by CPT and identified by modifier 32 are noncovered services.

(e) Reference laboratory services identified by modifier 90 are noncovered services.

(19) Medications:

(a) Drugs and biologicals are limited to those approved by the Food and Drug Administration (FDA), or those approved by the Drug Utilization Review Board (DUR) for off-label use, which is use for a condition different from that initially intended for the drug or biological. Medicaid coverage of drugs and biologicals is based on individual need and orders written by a physician when the drug is given in accordance with accepted standards of medical practice and within the protocol of accepted use for the drug.

(i) Generic drugs shall be used whenever a generic product approved by the FDA is available. If the physician determines

that a brand name drug is medically necessary, the physician may override the generic requirement by writing on the prescription in his own hand writing "name brand medically necessary". Preprinted messages, abbreviations, or notations by a second party, do not meet the override requirement. The pharmacist shall fill the prescription with the generic equivalent product if the override procedure is not followed.

(ii) Injectable medications approved in HCPCS are identified in the "J" code list published by the Health Care Financing Administration or the Department, or both. The list is reviewed and revised yearly and maintained in the Physician Provider Manual by notification and update through Medicaid Provider Bulletins.

(iii) The "J" code covers only the cost of an approved product.

(iv) Office visits only for administration of medication are excluded from coverage. However, an injection code which covers the cost of the syringe, needle and administration of the medication may be used with the "J" code when medication administration is the only reason for an office call.

(v) When an office service is provided for other purposes, in addition to medication administration, only the office visit and a "J" code may be used to bill for the service provided.

(vi) The office visit code and injection code may never be used together. Only one of the codes may be used to define the service provided.

(vii) Vitamin B-12 is limited to use only in treating conditions where physiological mechanisms produce pernicious anemia. Use of Vitamin B-12 in treating any unrelated condition is excluded from coverage.

(b) Vitamins may be provided only for:

(i) Pregnant women: Prenatal vitamins with 1 mg folic acid.

(ii) Children through age five: Children's vitamins with fluoride.

(iii) Children through age one: multiple vitamin (A, C, and D) without fluoride.

(iv) Children through age 15: Fluoride supplement.

(c) Human growth stimulating hormones are limited to CHEC eligible children under the age of 15 who meet the established internal criteria for coverage that has been published and is available in the Provider Manual.

(d) Methylphenidates, amphetamines, and other central nervous system stimulants require prior authorization and may be provided only for treatment of Attention Deficit Disorder (ADD).

(e) Medications for appetite suppression are not a covered service.

(f) Non-prescription, over-the-counter items are limited, and notification of changes consistent with this rule is made by Provider Bulletin and Provider Manual updates.

(g) Nutrients may be provided only as established in R414-24A.

R414-10-6. Co-payment Policy.

This rule establishes co-payment policy for physician services for Medicaid clients who are not in any of the federal categories exempted from co-payment requirements. The rule is authorized by 42 CFR 447.15 and 447.50, Oct. 1, 2000 ed., which are adopted and incorporated by reference.

(1) The Department shall impose a co-payment in the amount of $2 for each physician visit when a non-exempt Medicaid client, as designated on his Medicaid card, receives that physician service. The Department shall limit the out-of-pocket expense of the Medicaid client to $100 annually. (Co-payments for pharmacy services will continue to be limited to $5.00 per month.)

(2) The Department shall deduct $2 from the reimbursement paid to the provider for each physician visit, limited to one per day.

(3) The provider should collect the co-payment amount from the Medicaid client for each physician visit, limited to one per day.

(4) Medicaid clients in the following categories are exempt from co-payment requirements:

(a) children;

(b) pregnant women;

(c) institutionalized individuals;

(d) individuals whose total gross income, before exclusions or deductions, is below the Temporary Assistance to Needy Families (TANF) standard payment allowance. These individuals must indicate their income status to their eligibility case worker on a monthly basis to maintain their exemption from the co-payment requirements.

(5) Physician services for family planning purposes are exempt from the co-payment requirements.

KEY: medicaid
November 1, 2001 26-1-5
Notice of Continuation March 18, 1997 26-18-3

R414. Health, Health Care Financing, Coverage and Reimbursement Policy.

R414-11. Podiatry Services.

R414-11-0. Policy Statement.

A. Podiatry services are available to eligible Medicaid recipients, and may be performed by a physician, osteopath or podiatrist as specified by the respective professional license.

B. Podiatric services include the examination, diagnosis and treatment of the human foot through medical, mechanical or surgical means. Podiatric service may be provided to Medicaid recipients when the recipient has a foot problem that causes:

1. difficulty walking or inability to walk;

2. painful or distressing impairment which limits independent function; or

3. crippling.

C. Reasonable and necessary diagnosis and treatment of symptomatic conditions such as osteoarthritis, bursitis (including bunion), tendinitis, "and other related conditions," that result from, or are associated with, partial displacement of foot structures are covered services.

D. Surgical correction in the subluxated foot structure that is an integral part of the treatment of a foot injury is a benefit of the Medicaid program. Surgical correction undertaken to improve the function of the foot or to alleviate an associated symptomatic condition is also a covered service.

R414-11-1. Authority and Purpose.

A. Authority. Medicaid podiatry services are authorized under the provisions of 42 CFR at Part 405.310 and 42 CFR at Part 440.60. The Medicaid program is designed to provide services within financial limitations.

B. Purpose. The purpose of the program is to increase the functioning ability of the Medicaid patient.

R414-11-2. Definitions.

A. The "practice of podiatry" means the examination, diagnosis, or treatment medically, mechanically or surgically of the ailments of the human foot.

B. The medical term "subluxation" means a partial or complete dislocation.

C. The medical term "pes planus" means flatfoot.

D. "Retroactive eligibility" means that if payment for past medical expenses is requested, and eligibility exists, retroactive medical assistance may be approved. The Department of Social Services, Office of Community Operations, will determine the eligibility.

R414-11-3. Eligibility Requirements/Coverage.

A. Podiatry services are available to categorically and medically needy individuals under Medicaid.

B. Retroactive eligibility (See R414-11-8 (E) below).

R414-11-4. Program Access Requirements.

The podiatry services are available to categorically and medically needy individuals under Medicaid.

R414-11-5. Service Coverage.

A. Procedures determined to be appropriate for the podiatry program are identified by CPT-4 codes found in the Health Common Procedure Coding System (HCPCS). These procedures include:

1. foot incision;

2. foot excision;

3. repair, revision or reconstruction;

4. surgery;

5. nail treatment;

6. laboratory procedures; and

7. radiology.

B. Laboratory procedures necessary for diagnosis and treatment of the patient may be performed by the podiatrist in the office when appropriate equipment is available. Laboratory services provided by an independent laboratory or hospital outpatient laboratory, on the order of a podiatrist, must be billed directly by the laboratory.

C. Treatment of a fungal (mycotic) infection of the toenail is a Medicaid benefit in the following circumstances:

1. There is clinical evidence of mycosis demonstrated by;

a. inflammation;

b. infection;

c. Erythema (redness of the skin due to congestion of capillaries); or

there is marked limitation of ambulation.

D. Nursing Home Care:

Medicaid recipients who reside in a nursing home may receive benefits from the podiatry program. Some of the benefits include:

1. excision of nail or nail matrix;

2. removal of partial or complete ingrown or deformed nails;

3. surgical procedures;

4. radiology procedures;

5. laboratory procedures;

6. the cutting or removal of corns, warts, callouses or nails of patients who are at risk due to complications from certain diseases such as diabetes, arteriosclerosis, or Buerger's Disease;

7. reasonable and necessary diagnosis and treatment of symptomatic conditions such as osteoarthritis, bursitis (including bunion), tendinitis, which result from or are associated with partial displacement of foot structures; or

8. surgical correction in the subluxated foot structure which is an integral part of the treatment of a foot injury, or if it is undertaken to improve the function of the foot or to alleviate an associated symptomatic condition.

E. Medical Supplies

1. Shoes are a Medicaid benefit only when:

a. attached to a brace or prosthesis; or

b. especially constructed to provide for a totally or partially missing foot.

2. Supplies and materials used by the podiatrist over and above those usually included for the surgery procedure may be billed separately. The materials provided must be listed.

3. Supplies for surgery performed in the office rather than a surgical center or outpatient hospital are a benefit of this service.

R414-11-6. Standards of Care.

A. The services must be considered under accepted standards of medical practice to be a specific and effective

treatment for the recipient's condition.

B. The services must be:

1. of a level of complexity and sophistication, or the condition of the recipient must be such that services required can be safely and effectively performed only by a qualified podiatrist. To constitute podiatry, a service must, among other things, be reasonable and necessary to the treatment of the patient's illness. If the patient's expected health benefit would be insignificant in relation to the extent and duration of the patient's podiatry service, it would not be considered reasonable and necessary.

2. reasonable with regard to the amount, frequency and duration of services.

R414-11-7. Limitations.

A. General Limitation

1. Limitations which apply to the physicians program will also apply to the services provided by a podiatrist. If prior approval is required for a procedure performed by a physician, although it relates to the foot or foot structure, it requires prior authorization in the podiatry program.

2. Podiatric services are limited to examination, diagnosis, and treatment described in service coverage (R414-11-5) above.

3. A person licensed to practice podiatry may not administer general anesthesia, and may not amputate the foot.

4. Palliative care must include the specific service and must be billed by the specific service and not by using an office call procedure code.

B. Specific Limitations

1. Routine Foot Care

a. The preventive maintenance care of the type ordinarily within the realm of self care or nursing home care considered to be routine, is not covered as a podiatry service. This includes:

(1) the cutting or removal of corns, warts or callouses (42 CFR 405.310), unless a danger to the patient exists (for example: diabetes, arteriosclerosis or Buerger's disease);

(2) the trimming of nails (including mycotic nails) (42 CFR 405.310), except as specifically identified (R414-11-5, Service Coverage (above);

(3) the cleaning and soaking of the feet;

(4) the use of massage or skin creams;

(5) any services performed in the absence of localized illness or injury (42 CFR 405.310);

(6) any application of topical medication or

(7) any treatment of fungal (mycotic) infection of the toenail, except as specifically documented.

2. Nursing Home Foot Care

a. Nursing home patient foot care is limited to one visit every two months. Services in excess of this standard require prior authorization and must be documented in sufficient detail to reasonably justify the necessity of the service.

b. Foot care which may be performed for a nursing home recipient by a nursing home employee is not a Medicaid benefit.

c. The debridement of mycotic toenails is limited to once every 60 days. Exceptions will be authorized if medical necessity is documented by the patient's physician and attached to the request for prior authorization.

3. Subluxation or Pes Planus:

Further services excluded from coverage are defined in 42 CFR 405.310(1)as:

1. The treatment, including evaluation, of subluxations of the feet. These are structural misalignments, or partial dislocation (other than fractures or complete dislocations) of the joints of the feet which require treatment only by nonsurgical methods regardless of underlying pathology.

2. The treatment, including evaluations and the prescriptions of supporting devices, of the local condition of flattened arches (pes planus) regardless of the underlying pathology.

C. Prosthetic Devices/Shoes/Orthotics

1. A "prosthetic device" means a replacement, corrective or supportive device prescribed by a physician or other licensed practitioner of the healing arts within the scope of his practice as defined by State law to:

a. artificially replace a missing portion of the body;

b. prevent or correct physical deformity or malfunctions (including promotion of adaptive functioning); or

c. support a weak or deformed portion of the body.

2. Orthotics, metatarsal head appliances, arch supports, are not benefits of Medicaid although they may generally fit the description of a prosthetic device.

D. Additional Limitations

The following services are excluded from coverage as a Medicaid benefit:

1. shoes, orthopedic shoes or other supportive devices for the feet, except when shoes are integral parts of leg braces or a prosthesis.

2. special shoes such as:

a. mismatched shoes (unless attached to a brace);

b. shoes to support an overweight individual;

c. trade name or brand name shoes considered "orthopedic" or "corrective";

d. "athletic" or "walking" shoes;

3. shoe repair except as it relates to external modification of an existing shoe to meet a medical need, i.e., leg length discrepancy requiring a shoe build up of one inch or more;

4. internal modifications of a shoe;

5. arch supports, foot pads, metatarsal head appliances or foot supports;

6. personal comfort items and services. Comfort items include, but are not limited to arch supports, foot pads, "cookies" or other accessories, shoes for comfort or athletic shoes;

7. manufacture, dispensing or services related to orthotics of the feet;

8. devices which do not artificially replace a missing portion of the body;

9. devices which do not prevent or correct physical deformity or malfunction;

10. devices which do not support a weak or deformed portion of the body;

11. office calls, house calls, nursing home calls, billed in addition to a service. Post payment claims review will be performed.

R414-11-8. Prior Authorization.

A. "Prior authorization" means that degree of agency approval for payment of services required to be obtained by a

provider. Such approval must be obtained precedent to service being provided. Services requiring prior authorization performed in life threatening or justifiable emergency situations are an exception. Approval of emergency service can be obtained after the fact with appropriate documentation.

1. Unlisted Services

a. All procedure codes which end in 99 and some which end in 49 have the nomenclature:

"unlisted service or procedure"

These procedures require a prior authorization. They also require a "Special Report."

b. A special report is required because the procedure is rarely provided, unusual, variable or new. The special report must include:

(1) medical appropriateness;

(2) information covering need for the procedure;

(3) time, effort, equipment necessary;

(4) complexity of symptoms;

(5) final diagnosis;

(6) pertinent physical findings;

(7) diagnostic and therapeutic procedures previously completed or expected;

(8) concurrent problems;

(9) follow-up care.

2. Service to Nursing Home Patients:

a. Prior authorization is not necessary for the following procedures in behalf of a nursing home patient:

(1) excision of nail and/or nail matrix;

(2) excision of ingrown or deformed nail for permanent removal.

b. Surgical procedures in behalf of Medicaid recipients who reside in a nursing home will be subject to post payment review and recovery if not appropriate.

c. Prior authorization is required for the debridement of mycotic toenails in excess of once every 60 days.

d. Prior authorization is required if trimming corns, warts, callouses or nails is performed for any patient with diabetes, arteriosclerosis, or Buerger's Disease, more frequently than every 60 days.

B. Criteria for Approval of Requests

Prior approval for treatment or surgery that requires prior authorization will be reviewed and approved or denied based on the following criteria:

1. Services are for treatment of medical disorders or disabilities.

2. Services are provided for those disorders that are incapacitating for the patient and are reasonable and necessary for treatment of specific medical disorders or disabilities. Removing bunions for a bedfast patient would be disallowed;

3. Services are provided with the expectation that the condition under treatment will improve in a reasonable and generally predictable time.

4. Services are professionally appropriate under the standard in the field, utilizing professionally appropriate methods and materials in a professionally appropriate environment.

5. Services that are requested are justified with sufficient information for approval.

C. Request for Prior Authorization Form:

This form must include the following information:

1. the diagnosis and the severity of the condition;

2. the prognosis;

3. the expected independence of the recipient or benefit of the procedures;

4. the procedure code(s);

5. the patient x-rays (if applicable);

6. adequate clinical assessment of patient needs.

All requests for prior approval must be made before the surgery or service is performed, except for recipients made retroactively eligible for Medicaid.

D. Retroactive Eligibility

When a patient is made retroactively eligible for Medicaid and services have already been rendered which require prior approval, the following procedures must be followed:

1. The recipient must present a Medicaid Identification Card (ID Card), or an Interim Verification of Eligibility Form (695) which verifies the eligibility status of the recipient and the inclusive dates of eligibility.

2. The Request for Prior Approval Form must be completed.

3. The retroactive eligibility status of the recipient and appropriate documentation of the medical need for the procedure must be stated on the Request for Prior Approval Form.

4. The date of surgery or service must be within the dates of eligibility.

E. Out-of State

1. Any Medicaid request for out-of-state medical services or travel other than those listed below, must have prior authorization from the Division of Health Care Financing. There are four areas in which a Medicaid recipient may live (adjacent to the state line) and may go to another state, as stipulated, for medical services.

2. The following border towns have been identified by the Department of Social Services, Office of Assistance Payments, and entered into the Medicaid Provider File:

a. Rich County residents may go to Evanston, Wyoming; Riverton, Wyoming; Preston, Idaho; Paris, Idaho or Montpelier, Idaho.

b. San Juan County residents may go to Cortez, Del Norte, Dolores, Durango, Grand Junction and Montrose, Colorado; or to Shiprock or Farmington, New Mexico.

c. Residents of the Snake Valley area in Millard County, (Garrison, Gandy, Burbank and Eskdale), may go to Ely, Nevada and East Ely, Nevada.

R414-11-9. Reimbursement for Podiatry Service.

A. Introduction

There are numerous procedure codes listed in the Podiatrist Provider Manual for Medicaid services. Only the listed procedure codes are reimbursable by the Medicaid Medical Information System (MMIS).

B. Office Calls

Office calls are not designated by the time involved but by the service provided. The CPT identifies the elements and services included in each level of office call or house call. Utilizing these designations, the appropriate codes are identified in the podiatry index.

C. Nursing Home Patients

All surgical procedures provided for a nursing home recipient must be medically necessary and appropriate, and may be subject to post payment review.

D. Injection Procedures

Procedure codes with the J prefix are for injections. The J codes specifically identified for podiatric use are in the Podiatry Provider Manual.

E. Laboratory Procedures

Only those laboratory procedures for which the podiatrist or physician has the appropriate office equipment may be billed to Medicaid. Reimbursable laboratory procedure codes are listed in the Podiatry Provider Manual.

R414-11-10. Co-payment Policy.

This rule establishes co-payment policy for podiatrist services for Medicaid clients who are not in any of the federal categories exempted from co-payment requirements. The rule is authorized by 42 CFR 440.60, Oct. 1, 2000 ed., which is adopted and incorporated by reference.

(1) The Department shall impose a co-payment in the amount of $2 for each podiatrist visit when a non-exempt Medicaid client, as designated on his Medicaid card, receives that podiatrist service. The Department shall limit the out-of-pocket expense of the Medicaid client to $100 annually. (Co-payments for pharmacy services will continue to be limited to $5.00 per month.)

(2) The Department shall deduct $2 from the reimbursement paid to the provider for each podiatrist visit, limited to one per day.

(3) The provider should collect the co-payment amount from the Medicaid client for each podiatrist visit, limited to one per day.

(4) Medicaid clients in the following categories are exempt from co-payment requirements:

(a) children;

(b) pregnant women;

(c) institutionalized individuals;

(d) individuals whose total gross income, before exclusions or deductions, is below the Temporary Assistance to Needy Families (TANF) standard payment allowance. These individuals must indicate their income status to their eligibility case worker on a monthly basis to maintain their exemption from the co-pay requirements.

(5) Podiatrist services for family planning purposes are exempt from the co-payment requirements.

KEY: medicaid
November 1, 2001 26-1-5
Notice of Continuation December 20, 1999 26-18-3

R414. Health, Health Care Financing, Coverage and Reimbursement Policy.

R414-306. Program Benefits.

R414-306-1. Medicaid Benefits.

(1) The Department adopts 42 CFR 440.240, 441.56, and 431.625, 1999 ed., which are incorporated by reference.

(2) The Department elects to coordinate Medicaid with Medicare Part B for all Medicaid recipients.

(3) The Department of Health is responsible for defining emergency services which will be paid for by Medicaid for aliens who do not meet citizenship requirements for full Medicaid coverage. Emergency services include medical services given to prevent death or permanent disability. Emergency services do not include prenatal or postpartum services, prolonged medical support, long term care, or organ transplants. Prior authorization is required if the client applies for medical assistance before receiving medical services.

(4) Workers must inform applicants about the Child Health Evaluation and Care (CHEC) program. By signing the application form the client acknowledges receipt of CHEC program information.

R414-306-2. QMB, SLMB, and QI Benefits.

(1) The department adopts Subsection 1905(p) and Section 1933 of the Compilation of the Social Security Laws, 1999 ed., U.S. Government Printing Office, Washington, D.C., which is incorporated by reference.

(2) The Department elects not to cover premiums for enrollment with any health insurance plans except for Medicare.

(3) Benefits covered by the Qualifying Individuals-Group 2 program will be received in the form of a refund check to the individual selected for coverage.

R414-306-3. QMB and SLMB Date of Entitlement.

The Department adopts Subsection 1902(e)(8) of the Compilation of the Social Security Laws, 1999 ed., U.S. Government Printing Office, Washington, D.C., which is incorporated by reference.

R414-306-4. Effective Date of Eligibility.

(1) The Department adopts 42 CFR 435.914, 2000 ed., which is incorporated by reference.

(2) Eligibility for Medicaid shall begin no earlier than the date that is three months before the date of application for benefits. Coverage shall not be effective on the first day of a month if that date is more than three months before the application date.

(3) There is no provision for retroactive QMB assistance.

(4) Institutional Medicaid shall begin on the date that the Department of Health receives verification of nursing home admission from the nursing home, but no earlier than the date that is three months before the date of application for nursing home services. Coverage shall not be effective on the first day of a month if that date is more than three months before the application date.

(5) Eligibility under a Home and Community Based Services waiver shall begin on the first day of the month in which the client meets the level-of-care criteria and home and community based services begin, but no earlier than the date that is three months before the date of application for waiver Medicaid services. Coverage for waiver Medicaid shall not be effective on the first day of a month if that date is more than three months before the application date.

(6) Eligibility for benefits as a Qualifying Individual can begin no more than the date that is three months before the date of application, and in no case before January 1, 1998. An individual selected to receive QI benefits in a month of the year is entitled to receive such assistance for the remainder of the calendar year if the individual continues to be a qualifying individual. Receipt of benefits as a qualifying individual in one calendar year does not entitle the individual to continued assistance in any succeeding year.

R414-306-5. Availability of Medical Services.

(1) The Department adopts 42 CFR 431.52, 1999 ed., which is incorporated by reference.

(2) A person may receive medical services from an out-of-state provider if that provider accepts the Utah Medicaid reimbursement rate for the service.

(3) If a medical service requires prior approval for reimbursement in-state, the medical service will require prior approval if received out-of-state.

(4) If a person has a primary care provider, the person shall receive medical services from that provider, or obtain authorization from the primary care provider to receive medical services from another medical provider.

(5) If a person has a Health Maintenance Organization as a primary care provider, the person shall receive medical services from the Health Maintenance Organization, or obtain authorization from the Health Maintenance Organization to receive medical services from another medical provider.

R414-306-6. Medical Transportation.

(1) The Department adopts 42 CFR 431.53, 1999 ed., which is incorporated by reference.

(2) Non-emergency medical transportation is limited to transportation to and from a Medicaid provider to obtain a Medicaid covered service that is medically necessary.

(3) If transportation is available without cost, recipients shall use this transportation. Other modes of non-emergency medical transportation include bus passes, special bus services, personal transportation reimbursement, taxi service, non-specialized van transportation, and specialized van transportation. Recipients must use the most reasonable and economical mode of transportation available, or transportation shall not be reimbursed.

(a) Prior authorization is required for special bus services, taxi service, non-specialized van transportation, and specialized van transportation.

(b) Taxi service shall not be authorized for recipients who own a licensed vehicle, or who live in a household with a family member who owns a licensed vehicle, unless the recipient verifies that the nature of the recipient's medical condition or disability makes driving inadvisable and there is no household member who can drive the recipient to and from medical appointments. In the case of an urgent medical care need, if the recipient has no other way of getting needed care, Department staff may authorize taxi service when it is a reasonable and safe

mode of transportation.

(c) When personal transportation is used, and it is the most reasonable and economical mode of transportation available, the local office shall reimburse actual mileage at the rate of $0.18 per mile. The Department may deny reimbursement for multiple trips in a day unless the client can demonstrate why multiple trips were necessary. Total reimbursement for mileage must not exceed $150.00 a month per household, unless:

(i) an eligibility worker determines that higher reimbursement is necessary because a recipient's medical condition requires frequent travel to a Medicaid provider to obtain Medicaid covered services that are medically necessary; or

(ii) an eligibility supervisor determines that higher reimbursement is necessary because a recipient had an unusual medical need in a given month that required frequent or long-distance travel to a Medicaid provider to obtain Medicaid covered services that were medically necessary.

(d) The local office supervisor can authorize advance payment for use of personal transportation, overnight stay costs, or both, if the provider verifies the medical appointment, and the client would be unable to obtain the necessary medical services without an advance.

(4) If a State agency or non-profit organization provides transportation, the only reimbursement will be for actual costs or billed charges.

(5) Transportation reimbursement may be made to the recipient, to a second party, or to the recipient and second party jointly.

(6) If more than one Medicaid recipient travel together in a personal vehicle, reimbursement shall be made to only one recipient, or to the driver, and only for the actual miles traveled.

(7) The Department will not provide non-emergency medical transportation to nursing home residents because the nursing home must provide the transportation as part of its contracted rate.

(8) The Department will not provide non-emergency medical transportation to and from mental health appointments for recipients covered by a prepaid Mental Health Plan because the prepaid Mental Health Plan must provide transportation, as part of its contracted rate, to recipients to obtain covered mental health services.

(9) If medical services are not available locally, a recipient may be reimbursed for transportation to obtain medical services outside of the recipient's local area. If the closest medical provider is out-of-state, a recipient may be reimbursed for transportation to the out-of-state provider if this travel is more cost effective than traveling to an in-state provider. The medical provider's office must verify that the recipient needs to travel outside the local area for medical services, unless:

(a) there are no Medicaid providers in the local area who can provide the services; or

(b) it is the custom in the local area to obtain medical services outside the local area or in neighboring states.

(10) If medical services are not available in-state, a recipient must receive prior authorization from Department to be reimbursed for transportation to obtain the medical services out-of-state.

(11) A recipient who receives medical treatment outside of the recipient's local area may receive reimbursement for lodging costs when staying overnight, if:

(a) the recipient is obtaining a Medicaid covered service that is medically necessary from the nearest Medicaid provider that can treat the recipient's medical condition; and

(b) the recipient must travel over 100 miles to obtain the medical treatment and would not arrive home before 8:00 p.m. due to the drive time; or

(c) the medical treatment requires an overnight stay.

(12) The Department shall reimburse actual lodging and food costs or $50.00 per night, whichever is less. Reimbursement for food costs shall be no more than $25 of the $50 overnight reimbursement rate.

(13) If a recipient has a medical need for a companion or attendant when traveling outside of the recipient's local area, and the recipient is not staying in a medical facility, lodging costs for the companion or attendant may be reimbursed according to the rate specified in subsection (12). The reimbursement may also include salary if the attendant is not a member of the recipient's family, but not for standby time. One parent or guardian may qualify as an attendant if the parent or guardian must receive medical instructions to meet the recipient's needs, or the recipient is a minor child.

(14) Reimbursements for personal transportation shall not be made for trips made more than 12 months before the month the client requests reimbursement, with one exception. If a client is granted coverage for months more than one year prior to the eligibility decision, the client may request reimbursement and provide verification for personal transportation costs incurred during those months. In this case, the client must make the request and provide verification within three months after receiving the eligibility decision.

R414-306-7. State Supplemental Payments for Institutionalized SSI Recipients.

(1) The Department adopts Subsection 1616(a) through (d) of the Compilation of the Social Security Laws, 1993 ed., U.S. Government Printing Office, Washington, D.C., which is incorporated by reference.

(2) A State Supplemental payment equal to $15 shall be paid to a resident of a medical institution who receives a Supplemental Security Income (SSI) payment.

(3) Recipients must be eligible for Medicaid benefits to receive the State Supplemental payment.

(4) Recipients are eligible to receive the $15 State Supplemental payment beginning with the first month that their SSI assistance is reduced to $30 a month because they stay in an institution and they are eligible for Medicaid.

(5) The State Supplemental payment terminates effective the month the recipient no longer meets the eligibility criteria for receiving such supplemental payment.

KEY: program benefits
November 1, 2001 26-18
Notice of Continuation February 6, 1998

R477. Human Resource Management, Administration.
R477-1. Definitions.
R477-1-1. Definitions.

The following definitions apply throughout these rules unless otherwise indicated within the text of each rule.

(1) Abandonment of Position: A discretionary act of termination resulting from an employee's unexcused absence from work or failure to come to work for three consecutive days when the employee is capable, but does not properly notify his supervisor.

(2) Active Duty: Full-time active military or reserve duty; a term used for veteran's preference adjustments. It does not include active or inactive duty for training or initial active duty for training.

(3) Actual Hours Worked: Time spent performing duties and responsibilities associated with the employee's job assignments. This time is calculated in increments of 15 minutes or more for purposes of overtime accrual, and shall not include "on-call," holiday leave, or any other leave time taken off during the work period.

(4) Administrative Leave: Leave with pay granted to an employee at management discretion that is not charged against the employee's leave accounts.

(5) Administrative Adjustment: A DHRM approved change of a position from one job to another job or salary range change for administrative purposes that is not based on a change of duties and responsibilities.

(6) Administrative Salary Decrease: A salary decrease of one or more pay steps based on non-disciplinary administrative reasons determined by an agency executive director or commissioner.

(7) Administrative Salary Increase: A salary increase of one or more pay steps based on special circumstances determined by an agency executive director or commissioner.

(8) Agency: Any department, division, institution, office, commission, board, committee, or other entity of state government.

(9) Agency Head: The chief executive officer of each agency or their designated appointee.

(10) Agency Management: The agency head and all other officers or employees who have responsibility and authority to establish, implement, and manage agency policies and programs.

(11) Appeal: A formal request to a higher level review for consideration of an unacceptable grievance decision.

(12) Appointing Authority: The officer, board, commission, person or group of persons authorized to make appointments in their agencies.

(13) Assignment: Appointment of an employee to a position.

(14) "At will" Employee: An individual appointed to work for no specified period of time or one who has not acquired career service status and may be terminated at any time without just cause.

(15) Bumping: A procedure that may be applied in a reduction-in-force action (RIF). It allows employees with higher retention points to bump other employees with lower retention points who are in the same categories of work identified in the work force adjustment plan, as long as employees meet the eligibility criteria outlined in interchangeability of skills.

(16) Career Exempt Employee: An employee appointed to a position exempt from career service in state employment and who serves at the pleasure of the appointing authority.

(17) Career Exempt Position: A position in state service exempted by law from provisions of competitive career service, as prescribed in 67-19-15 and in R477-2-1(1).

(18) Career Mobility: A time-limited assignment of an employee to another position of equal or higher salary for purposes of professional growth or fulfillment of specific organizational needs.

(19) Career Service Employee: An employee who has successfully completed a probationary period in a career service position.

(20) Career Service Status: Status granted to employees who successfully completes a probationary period for competitive career service positions.

(21) Category of Work: Jobs, work units, or other definable categories of work within departments, divisions, institutions, offices, commissions, boards or committees that are designated by the agency head as the Category of Work to be eliminated through a reduction-in-force. These are subject to review by the Executive Director, DHRM.

(22) Certifying: The act of verifying the qualifications and availability of individuals on the hiring list. The number of individuals certified shall be based on standards and procedures established by the Department of Human Resource Management.

(23) Change of Workload: A change in the work requirements or a need to eliminate or create particular positions in an agency caused by legislative action, financial circumstances, or administrative reorganization.

(24) Classification Grievance: The approved procedure by which a career service employee may grieve a formal classification decision regarding the classification of the employee's position.

(25) Classified Service: Positions that are subject to the classification and compensation provisions stipulated in Section 67-19-12 of the Utah Code Annotated.

(26) Classification Study: A Classification review conducted by DHRM or an approved contract agency, under the rules outlined in R477-4-3. A study may include single or multiple job or position reviews.

(27) Compensatory Time: Time off that is provided to an employee in lieu of monetary overtime compensation.

(28) Constant Review: A period of formal review of an employee, not to exceed six months, resulting from substandard performance or behavior, as defined by Utah law and contained in these rules. Removal from constant review requires a formal evaluation.

(29) Contract Agency: An agency with authority to perform specific HR functions as outlined in a formal delegation agreement with DHRM under authority of section 67-19-7.

(30) Contractor: An individual who is contracted for service, is not supervised by a state supervisor, but is responsible for providing a specified service for a designated fee within a specified time. The contractor shall be responsible for paying all taxes and FICA payments, and shall not accrue benefits.

(31) Corrective Action: A written administrative action to address substandard performance or behavior of an employee as described in R477-10-2. Corrective action includes a period of constant review.

(32) Demeaning Behavior: Any behavior which lowers the status, dignity or standing of any other individual.

(33) Demotion: An action resulting in a salary reduction on the current salary range or the movement of an incumbent from one job or position to another job or position having a lower salary range, which may include a reduction in salary.

(34) Department: The Department of Human Resource Management.

(35) Derisive Behavior: Any behavior which insults, taunts, or otherwise belittles or shows contempt for another individual.

(36) Designated Hiring Rule: A rule promulgated by DHRM that defines which individuals on a certification are eligible for appointment to a career service position.

(37) DHRM: The Department of Human Resource Management.

(38) DHRM Approved Recruitment and Selection System: The state's recruitment and selection system, which includes:

(a) continuous recruitment of all positions;

(b) a centralized and automated computer database of resumes and related information administered by the Department of Human Resource Management;

(c) decentralized access to the database based on delegation agreements.

(39) Disability: Disability shall have the same definition found in the Americans With Disabilities Act (ADA) of 1990, 42 USC 12101 (1994); Equal Employment Opportunity Commission regulation, 29 CFR 1630 (1993); including exclusions and modifications.

(40) Disciplinary Action: Action taken by management under the rules outlined in R477-11.

(41) Discrimination: Unlawful action against an employee or applicant based on race, religion, national origin, color, sex, age, disability, protected activity under the anti-discrimination statutes, political affiliation, military status or affiliation, or any other non-merit factor, as specified by law.

(42) Dismissal: A separation from state employment for cause.

(43) Drug-Free Workplace Act: A 1988 congressional act, 34 CFR 85 (1993), requiring a drug-free workplace certification by state agencies that receive federal grants or contracts.

(44) Employee Personnel Files: For purposes of Titles 67-18 and 67-19, the files maintained by DHRM and agencies as required by R477-2-5. This does not include employee information maintained by supervisors.

(45) Employment Eligibility Certification: A requirement of the Immigration Reform and Control Act of 1986, 8 USC 1324 (1988) that employers verify the identity and eligibility of individuals for employment in the United States.

(46) "Escalator" Principle: Under the Uniformed Services Employment and Reemployment Rights Act (USERRA), returning veterans are entitled to return back onto their seniority escalator at the point they would have occupied had they not left state employment.

(47) Equal Employment Opportunity (EEO): Non-discrimination in all facets of employment by eliminating patterns and practices of illegal discrimination.

(48) Excess Hours: A category of compensable hours separate and apart from compensatory or overtime hours that accrue at straight time only when an employee's hours actually worked, plus additional hours paid but not worked, exceed an employee's normal work period.

(49) Executive Director: The executive director of the Department of Human Resource Management.

(50) Fair Employment Opportunity and Practice: Assures fair treatment of applicants and employees in all aspects of human resource administration without regard to age, disability, national origin, political or religious affiliation, race, sex, or any non-merit factor.

(51) Fitness For Duty Evaluation: Evaluation, assessment or study by a licensed professional to determine if an individual is able to meet the performance or conduct standards required by the position held, or is a direct threat to the safety of self or others.

(52) FLSA: Fair Labor Standards Act. The federal statute that governs overtime. See 29 USC 201 (1996).

(53) FLSA Exempt: Employees who are exempt from the Fair Labor Standards Act.

(54) FLSA Non-Exempt: Employees who are not exempt from the Fair Labor Standards Act.

(55) Full Time Equivalent (FTE): The budgetary equivalent of one full time position filled full time for one year.

(56) Furlough: A temporary leave of absence from duty without pay for budgetary reasons or lack of work.

(57) Grievance: A career service employee's claim or charge of the existence of injustice or oppression, including dismissal from employment resulting from an act, occurrence, omission, condition, discriminatory practice or unfair employment practice not including position classification or schedule assignment.

(58) Grievance Procedures: The statutory process of grievances and appeals as set forth in Sections 67-19a-101 through 67-19a-408 and the rules promulgated by the Career Service Review Board.

(59) Gross Compensation: Employee's total earnings, taxable and untaxable, as shown on the employee's paycheck stub.

(60) Hiring List: A list of qualified and interested applicants who are eligible to be considered for appointment or conditional appointment to a specific position.

(61) Hostile Work Environment: A work environment or work related situation where an individual suffers physical or emotional stress due to the unwelcome behavior of another individual which is motivated by race, religion, national origin, color, sex, age, disability or protected activity under the anti-discrimination statutes.

(62) HRE: Human Resource Enterprise; the state human resource management information system.

(63) Immediate Supervisor: The employee or officer who exercises direct authority over an employee and who appraises the employee's performance.

(64) Incompetence: Inadequacy or unsuitability in performance of assigned duties and responsibilities.

(65) Inefficiency: Wastefulness of government resources

including time, energy, money, or staff resources or failure to maintain the required level of performance.

(66) Interchangeability of Skills: Employees are considered to have interchangeable skills only for those classes of positions they have previously held successfully in Utah state government employment or for those classes of positions which they have successfully supervised and for which they satisfy job requirements.

(67) Intern: An individual in a college degree program assigned to work in an activity where on-the-job training is accepted.

(68) Job: A group of positions similar in duties performed, in degree of supervision exercised or required, in requirements of training, experience, or skill and other characteristics. The same, salary range and test standards are applied to each position in the group.

(69) Job Series: Two or more jobs in the same functional area having the same job class title, but distinguished and defined by increasingly difficult levels of duties and responsibilities and requirements.

(70) Job Proficiency Rating: An average of the last three annual performance evaluation ratings used in reduction in force proceedings.

(71) Job Requirements: Skill requirements defined a the job level.

(72) Job Description: A document containing the duties, distinguishing characteristics, knowledge, skills, and other requirements for a job.

(73) Job Identification Number: A unique number assigned to a job by DHRM.

(74) Legislative Salary Adjustment: A legislatively approved salary increase for a specific category of employees based on criteria determined by the Legislature.

(75) Malfeasance: Intentional wrongdoing, deliberate violation of law or standard, or mismanagement of responsibilities.

(76) Market Comparability Adjustment: Legislatively approved reallocation of a salary range for a job based on a compensation survey conducted by DHRM.

(77) Merit Increase: A legislatively approved and funded salary increase for employees to recognize and reward successful performance.

(78) Misfeasance: The improper or unlawful performance of an act that is lawful or proper.

(79) Nonfeasance: Failure to perform either an official duty or legal requirement.

(80) Performance Evaluation: A formal, periodic evaluation of an employee's work performance.

(81) Performance Evaluation Date: The date when an employee's performance evaluation shall be conducted. An evaluation shall be conducted at least once during the probationary period and no less than once annually thereafter consistent with the common review date.

(82) Performance Management: The ongoing process of communication between the supervisor and the employee which defines work standards and expectations, and assesses performance leading to a formal annual performance evaluation.

(83) Performance Plan: A written summary of the standards and expectations required for the successful performance of each job duty or task. These standards normally include completion dates and qualitative and quantitative levels of performance expectations.

(84) Performance Standard: Specific, measurable, observable and attainable objectives that represent the level of performance to which an employee and supervisor are committed during an evaluation period.

(85) Personnel Adjudicatory Proceedings: The informal appeals procedure contained in Title 63, Chapter 46b, for all human resource policies and practices not covered by the state employees grievance procedure promulgated by the Career Service Review Board, or the classification appeals procedure.

(86) Position: A unique set of duties and responsibilities identified by DHRM authorized job and position management numbers.

(87) Position Description: A document that describes the detailed tasks performed, as well as the knowledge, skills, abilities, and other requirements of a specific position.

(88) Position Management Report: A document that lists an agency's authorized positions including job identification numbers, salaries, and schedules. The list includes occupied or vacant positions and full or part-time positions.

(89) Position Sharing: A situation where two employees share the duties and responsibilities of one full-time career service position. Salary, retirement service credits and leave benefits for position sharing employees are pro-rated according to the number of hours worked. To be eligible for benefits, position sharing employees must work at least 50% of a full-time equivalent.

(90) Probationary Period: A period of time considered part of the selection process, identified at the job level, the purpose of which is to allow management to evaluate an employee's ability to perform assigned duties and responsibilities and to determine if career service status should be granted.

(91) Productivity Step Adjustment: A management authorized salary increase of one to four steps. Management and employees agree to the adjustment for employees who accept an increased workload resulting from FTE reductions and agency base budget reduction.

(92) Promotion: A management initiated action moving an employee from a position in one job to a position in another job having a higher maximum salary step.

(93) Protected Activity: Opposition to discrimination or participation in proceedings covered by the anti-discrimination statutes. Harassment based on protected activity can constitute unlawful retaliation.

(94) Reappointment: Return to work of an employee from the reappointment register. Accrued annual leave, converted sick leave, compensatory time and excess hours in their former position were cashed out at termination.

(95) Reappointment Register: A register of career service employees who have been separated in a reduction in force because of inadequate funds, change of workload or lack of work. It also includes career service employees who accepted exempt positions without a break in service and who were not retained, unless discharged for cause, and those employees who by the Career Service Review Board's decision are placed on the reappointment register.

(96) Reasonable Suspicion: Knowledge sufficient to induce an ordinary, reasonable and prudent person to arrive at a conclusion of thought or belief based on factual, non-subjective and substantiated observations or reported circumstances. Factual situations verified through personal visual observation of behavior or actions, or substantiated by a reliable witness.

(97) Reassignment: A management initiated action moving an employee from his current job or position to a job or position of an equal salary range for administrative, corrective action or other reasons not included in the definition of demotion, transfer or reclassification. Management may also move an employee to a job or position with a lower salary range when permitted by applicable Federal or state law, including, but not limited to the American Disabilities Act. A reassignment may be to one or more of the following:

A. a different job or position;

B. a different organizational unit; or

C. a different work location.

(98) Reclassification: A DHRM or an approved contract agency reallocation of a single position or multiple positions from one job to another job to reflect management initiated changes in duties and responsibilities as determined by a classification study.

(99) Reduction in Force: (RIF) Abolishment of positions resulting in the termination of staff. RIFs can occur due to inadequate funds, a change of workload, or a lack of work.

(100) Reemployment: Return to work of an employee who terminated state employment to join the uniformed services covered under USERRA. Accrued annual leave, converted sick leave, compensatory time and excess hours may have been cashed out at termination.

(101) Rehire: Return to work of a former career service employee who terminated state employment. Accrued annual leave, converted sick leave, compensatory time and excess hours in their former position were cashed out at termination.

(102) Retaliation: An adverse employment action taken against an employee who has engaged in a protected act. The adverse action must have a causal link.

(103) Requisition: An electronic document used for Utah Skill Match search and tracking purposes that includes specific information for a particular position.

(104) Return from LWOP: A return to work from any leave without pay status. Accrued annual leave, converted sick leave, compensatory time and excess hours may have been cashed out before the leave without pay period began.

(105) Ridiculing Behavior: Any behavior specifically performed to cause humiliation or to mock, taunt or tease another individual.

(106) RIF'd Employee: An employee who is placed on the reappointment register as a result of a reduction in force.

(107) Safety Sensitive Position: A position approved by DHRM that includes the performance of functions:

(a) directly related to law enforcement; or

(b) involving direct access or having control over direct access to controlled substance; or

(c) directly impacting the safety or welfare of the general public.

(d) which require an employee to carry or have access to firearms.

(108) Salary Range: The segment of an approved pay plan assigned to a job.

(109) Schedule: The determination of whether a position meets criteria stipulated in the Utah Code Annotated to be career service (Schedule B) or career service exempt (Schedule A).

(110) Serious Health Condition: An illness, injury, impairment, physical or mental condition that involves:

(a) In-patient care in a hospital, hospice, or residential medical care facility;

(b) Continuing treatment by a health care provider.

(111) Sexual Harassment:

(a) A form of unlawful discrimination of a sexual nature which is unwelcome and pervasive, demeaning, ridiculing, derisive or coercive and results in a hostile, abusive or intimidating work environment.

(i) Level One: sex role stereotyping

(ii) Level Two: targeted gender harassment/discrimination

(iii) Level Three: targeted or individual harassment

(iv) Level Four: criminal touching of another's body parts or taking indecent liberties with another.

(b) Any quid pro quo behavior which requires an employee to submit to sexual conduct in return for increased employment benefits or under threat of adverse employment repercussions.

(112) Tangible Employment Action: Any significant change in employment status e.g. hiring, firing, promotion, failure to promote, demotion, undesirable assignment, a decision causing a significant change in benefits, compensation decisions, and work assignment. Tangible employment action does not include insignificant changes in employment status such as a change in job title without a change in salary, benefits or duties.

(113) Temporary Transitional Assignment: An assignment on a temporary basis to a position or duties of lesser responsibility and salary range to accommodate an injury or illness or to provide a temporary reasonable accommodation.

(114) Transfer: A voluntary movement of an employee from one job or position to another job or position for which the employee qualifies. A transfer may be to one or more of the following:

a job or position with the same salary range;

a job or position with a lower salary range;

a different work location;

a different organizational unit.

(115) Underfill: DHRM authorization for an agency to fill a position at a lower salary range within the same job series.

(116) Uniformed Services: The United States Army, Navy, Marine Corps, Air Force, Coast Guard; Reserve units of the Army, Navy, Marine Corps, Air Force, or Coast Guard; Army National Guard or Air National Guard; Commissioned Corps of Public Health Service, or any other category of persons designated by the President in time of war or emergency. Service in Uniformed Services includes: voluntary or involuntary duty, including active duty; active duty for training; initial active duty for training; inactive duty training; full-time National Guard duty; absence from work for an examination to determine fitness for any of the above types of duty.

(117) Unlawful Harassment: Any behavior or conduct of an unlawful nature based on race, religion, national origin, color, sex, age, disability or protected activity under the anti-discrimination statutes that is unwelcome, pervasive, demeaning, derisive or coercive and results in a hostile, abusive or intimidating work environment or tangible employment action.

(118) USERRA: Uniformed Services Employment and Reemployment Rights Act of 1994 (P.L. 103-353), requires state governments to re-employ eligible veterans who left state employment to enter the uniformed services and who return to work within a specified time period after military discharge. Employees covered under USERRA are in a leave without pay status from their state position.

(119) Veteran: An individual who has served on active duty in the armed forces for more than 180 consecutive days, or was a member of a reserve component who served in a campaign or expedition for which a campaign medal has been authorized. Individuals must have been separated or retired under honorable conditions.

(120) Volunteer: Any person who donates services to the state or its subdivisions without pay or other compensation except actual and reasonable expenses incurred, as approved by the supervising agency.

(121) Volunteer Experience Credit: Credit given in meeting job requirements to participants who gain experience through unpaid or uncompensated volunteer work with the state, its subdivisions or other public and private organizations.

KEY: personnel management, rules and procedures, definitions*
July 3, 2001 **67-19-6**
Notice of Continuation July 1, 1997

R477. Human Resource Management, Administration.
R477-5. Filling Positions.
R477-5-1. Authorization to Fill a Position.

Agencies shall have sufficient funds to fill positions that are listed in the Position Management Report. The Executive Director, DHRM, may authorize exceptions to provisions of this rule, consistent with R477-2-2(1).

The DHRM approved recruitment and selection system is the state's recruitment and selection system for career service positions. Agencies shall use the DHRM approved recruitment and selection system unless an alternate system has been pre-approved by the Department of Human Resource Management.

R477-5-2. Selecting Non-Career Service Positions.

(1) Agencies and managers may use any process to select employees for exempt positions which complies with state and federal law and regulations.

R477-5-3. Career Service (Schedule B) Positions.

(1) Selection of career service employees shall be governed by the following:

(a) DHRM standards and procedures;

(b) Career service principles;

(c) Equal employment opportunity principles;

(d) Utah Code governing nepotism found in Section 52-3-1.

(e) Reasonable accommodation for qualified applicants covered under the Americans With Disabilities Act.

(2) DHRM shall take affirmative action to ensure that members of legally protected classes have the opportunity to apply and be considered for available positions in state government.

R477-5-4. Order of Selection for Career Service Positions.

(1) Prior to implementing the steps for order of selection, agencies may administer the following personnel actions:

(a) Reemployment of a veteran eligible under USERRA;

(b) Reassignment or transfer for the purposes of reasonable accommodation under the Americans with Disabilities Act;

(c) Fill positions as a result of return to work from long term disability or workers compensation at the same or lesser salary range;

(d) Reassignments made in order to avoid a reduction in force, or for reorganization or bumping purposes;

(e) Reassignments, career exchange assignments or other movement of qualified career service employees at the same or lesser salary range to better utilize skills or assist management in meeting the organization's mission;

(f) Reclassification.

(2) Agencies may carry out all the following steps for recruitment and selection of vacant career service positions concurrently. Appointing authorities may make appointments according to the following order of selection which applies to all vacant career service positions:

(a) First, agencies shall make appointments from the statewide reappointment register with the names of employees who meet the job qualifications and who apply for the position. See R477-12-3(7) for additional reinstatement criteria.

(b) Second, agencies may make appointments within an agency through promotion of a qualified career service employee, or across agency lines through transfer or promotion of qualified career service employees, career exchange assignments to a higher salary range, conversions from schedule A to schedule B as authorized by R477-6-1.(3), or rehire of qualified former career service employees at agency discretion.

(c) Third, agencies may make appointments from a list of qualified applicants certified as eligible for appointment to the position, or from another competitive process pre-approved by the Executive Director, DHRM.

R477-5-5. Recruitment Within Agencies.

(1) Agencies shall provide information about internal job opportunities to their employees. Agencies shall develop a consistent, internal recruitment strategy for job families and shall communicate this strategy to their employees.

(a) For agency recruitments when the DHRM approved recruitment and selection system is not used, vacancies shall be announced for a minimum of 5 days within an agency, an organizational unit or work group. Each vacancy announcement shall include an opening and closing date.

(b) When the DHRM approved recruitment and selection system is used, agencies are required to provide their employees information about the DHRM approved recruitment and selection system system.

(c) Recruitment is not required for personnel actions outlined in R477-5-4.(1).

(d) Appointment of employees from the statewide reappointment register must comply with the order of selection specified in R477-5-4.

R477-5-6. Transfer and Reassignment.

(1) Jobs or positions may be filled by reassigning an employee without a reduction in pay for administrative reasons, or corrective action pursuant to R477-10-2.

(2) The agency that receives a transfer or reassignment of an employee shall verify his career status and that the employee meets the job requirements for the position.

(a) An employee with a disability who is otherwise qualified may be eligible for transfer or reassignment to a vacant job or position within the agency as a reasonable accommodation measure.

(3) Payroll actions involving transfer or reassignment shall only be allowed at the beginning of a payroll period.

(4) Agencies receiving a transfer or reassignment of an employee shall accept all of that employee's previously accrued sick, annual, and converted sick leave on the official leave records.

(5) A career service employee assimilated from another career service jurisdiction shall accrue leave at the same rate as a career service employee with the same seniority.

R477-5-7. Rehire.

(1) A former career service employee may be eligible for rehire to any career service position for which he is qualified.

(a) A rehired employee must compete through the DHRM approved recruitment and selection system and must serve a new probationary period, as designated in the official job description.

(i) The annual leave accrual rate for an employee rehired on or after July 1, 1995 shall be based on all State employment in which the employee was eligible to accrue leave.

(ii) An employee who is rehired within 12 months of separation to a position which receives sick leave benefits shall have his previously accrued sick leave credit reinstated.

(b) A Rehired employee may be offered any salary within the regular salary range for the position.

(2) Career Service exempt employees cannot be rehired to career service positions, except as prescribed by Section 67-19-17.

R477-5-8. Public Recruitment and Recruitment Across Agencies.

(1) Recruitment shall comply with federal and state laws and DHRM rules and procedures.

(a) Recruitment shall include the following:

(i) job information about available positions;

(ii) information about the DHRM approved recruitment and selection system;

(iii) documented communication regarding examination methods and opening and closing dates, if applicable;

(iv) a strategy for affirmative action, if applicable.

(2) Job information for career service positions shall be announced publicly for a minimum of 5 days if a DHRM approved recruitment and selection system does not produce a sufficient pool of qualified applicants.

R477-5-9. Examinations.

(1) Examinations shall be designed to measure and predict success of individuals on the job. Appointment to career service positions shall be made through open, competitive selection.

(2) The Executive Director, DHRM, shall establish the standards for the development, approval and implementation of examinations. Examinations shall include the following:

(a) A documented job analysis;

(b) An initial, unbiased screening of the individual's qualifications;

(c) Security of examinations and ratings;

(d) Timely notification of individuals seeking positions;

(e) Elimination from further consideration of individuals who abuse the process;

(f) Unbiased evaluation and results;

(g) Reasonable accommodation for qualified individuals with disabilities.

(3) When examinations utilizing ratings of training and experience are administered, agencies may establish maximum years of credit for training and experience for the purpose of rating qualified applicants. Separate maximums may be set for years of training and years of experience. These maximums shall be included in the agency's recruitment notice.

(4) The Executive Director, DHRM, may enter into delegation agreements with agencies to develop and administer examination instruments, subject to periodic administrative audits by DHRM.

R477-5-10. Hiring Lists.

(1) The hiring list shall include the names of qualified and interested applicants who are eligible to be considered for appointment or conditional appointment to a specific position.

(a) Hiring lists shall be constructed using the DHRM approved recruitment and selection system or another competitive process pre-approved by DHRM. All competitive processes shall be based on job-related criteria.

(b) All applicants included on a hiring list shall be examined with the same examination or examinations.

(c) An individual shall be considered an applicant when he is determined to be both qualified for and interested in a particular position identified through a specific requisition.

(2) An applicant may be removed from further consideration when he, without valid reason, does not pursue appointment to a position.

(3) An individual who falsifies any information in the job application, examination or evaluation processes may be disqualified from further consideration prior to hire, or disciplined if already hired.

(4) Five percent of the total possible score shall be added to the rating or an appropriate adjustment shall be made on the hiring list for any applicant claiming veterans preference who:

(a) has served more than 180 consecutive days of active duty in and honorably discharged or released from the armed forces of the United States; or

(b) is the spouse or unremarried surviving spouse of any veteran.

(5) Ten percent of the total possible score shall be added to the rating or an appropriate adjustment shall be made on the hiring list for any applicant claiming veterans preference who:

(a) Was honorably discharged or released from active duty with a disability incurred in the line of duty or is a recipient of a Purple Heart, whether or not that person completed 180 days of active duty.

(b) Is the spouse or unremarried surviving spouse of any disabled veteran.

(6) The Executive Director, DHRM may enter into delegation agreements with agencies to develop and maintain hiring lists, and certify eligible applicants to their appointing authorities, subject to periodic administrative audits by DHRM.

(7) Selection of intra-departmental RIF employees shall be made in order of their retention points.

(a) The employee with the highest retention points shall be reappointed first, provided that the employee:

(i) Meets job requirements; and

(ii) Previously attained the position level comparable to the vacancy.

(8) When more than one RIF employee is certified by DHRM, the appointment shall be made from the most qualified.

(9) The appointing authority shall demonstrate and document that equal consideration was given to all applicants whose final score or rating is equal to or greater than that of the applicant hired.

(10) The appointing authority shall ensure that any employee hired meets the job requirements as outlined in the official job description.

R477-5-11. Time-Limited Exempt Positions.

The Executive Director, DHRM, may approve the creation and filling of non-career service positions for temporary, emergency, seasonal, intermittent or other special and justified

agency needs. These appointments shall be "at will," as described below. See Section 67-19-15 for description of positions exempt from career service employment.

(1) Time-limited, temporary or seasonal non-career appointments, such as schedules AJ and AL may be made without competitive examination, provided job requirements are met.

(a) The following appointments are temporary, and may not receive benefits:

(i) AJ appointments for positions which are half-time or more shall last no longer than 1560 working hours in any 12 consecutive month period.

(b) Appointments under schedules AE, AI and AL shall be non-career positions. AE, AI and AL employees may receive benefits on a negotiable basis.

(i) Schedule AL appointments shall work on time-limited projects for a maximum of two years or on projects with time limited funding.

(ii) Only schedule A appointments made from a hiring list as prescribed by R477-5-10(1) may be considered for conversion to career service.

(2) Appointments to fill an employee's position who is on approved leave-without-pay shall only be made temporarily. A notice of appointment shall be signed by the parties.

R477-5-12. Job Sharing.

Agency management may establish a job sharing program as a means of increasing opportunities for career part-time employment. In the absence of an agency program, individual employees may request approval for job sharing status through agency management.

R477-5-13. Internships and Cooperative Education.

Interns or students in a practicum program may be appointed with or without competitive selection. Intern appointments shall be to temporary, career service exempt positions.

R477-5-14. Reorganization.

(1) When a department or agency is reorganized, but an employee's position does not change substantially, he shall not be required to compete for his current position. However, a reduction in the number of positions in a certain class shall be treated as a reduction-in-force.

R477-5-15. Career Mobility Programs.

Employees and agencies are encouraged to promote career mobility programs.

(1) Agencies may provide career mobility assignments inside or outside state government to qualified employees. Career mobility programs are designed to develop agencies' resources and to enhance the employee's career growth.

(a) Agencies shall establish policies governing career mobility programs.

(b) An eligible employee, the agency or supervisor may initiate a career mobility.

(c) Interested participants shall meet the job requirements of the career mobility position.

(2) Agencies shall develop and use written career mobility contract agreements between employees and supervisors to outline all program provisions and requirements. The career mobility shall be both voluntary and mutually acceptable.

(a) Programs shall conform to equal employment opportunities and practices.

(b) Participating employees shall retain all rights, privileges, entitlements, tenure and benefits from their previous position while on career mobility.

(c) If a reduction in force affects a position vacated by a participating employee, the participating employee shall be treated the same as other RIF employees.

(3) If a career mobility assignment does not become permanent at its conclusion, employees shall return to their previous position or a similar position. They shall receive the same salary rate they would have received without the career mobility assignment.

(a) Employees who have not attained career service status prior to the career mobility program cannot permanently fill a career service position until they have obtained career service status through a competitive process.

R477-5-16. Assimilation.

(1) Employees assimilated by the state from another career service system shall receive career service status after completing a probationary period if they were originally selected through a competitive examination process judged by the Executive Director, DHRM, to be equivalent to the process used in the state career service.

(a) Assimilation agreements shall specify whether there are employees eligible for reemployment under USERRA in positions affected by the agreement.

R477-5-17. Underfill.

(1) Underfill shall only be used in circumstances that meet the following conditions:

(a) The position is in the same classification series, as reflected on the position management report. Positions shall be underfilled only until the employee satisfactorily meets the job requirements of the next higher level position as determined by management.

(b) There must be discernible and documented differences between levels in career ladders.

KEY: employment, fair employment practices, hiring practices

July 3, 2001 67-19-6

Notice of Continuation July 1, 1997

R477. Human Resource Management, Administration.
R477-7. Compensation.
R477-7-1. Pay Plans.

(1) DHRM shall develop or modify pay plans for compensating employees.

(2) Market comparability salary range increases shall be legislatively approved.

R477-7-2. Allocation to the Pay Plans.

(1) Each job shall be assigned to a salary range on the applicable pay plan, except where compensation is established by statute.

(2) Salary range determination for benchmark jobs shall be based on salary survey data. The salary ranges for other jobs are determined by relative ranking with the appropriate benchmark job.

R477-7-3. Appointments.

(1) All appointments shall be placed on a salary step in the DHRM approved salary range for the job. Hiring officials shall receive approval from their agency head or agency human resource designee before making appointment offers to individuals.

(2) Re-employed veterans under USERRA shall be placed in their previous position or a similar position at their previous salary range. Reemployment shall include the same seniority status, and any cost of living allowances, reclassification of the veteran's pre-service position, or market comparability adjustments that would have affected the veteran's pre-service position during the time spent by the affected veteran in the uniformed services. Performance related salary increases are not included.

R477-7-4. Salary.

(1) Merit increases - The following are applicable if merit increases are authorized and funded by the legislature:

(a) Employees, who are not on a longevity step, who receive a successful or higher rating on their performance evaluations and who have been in a paid status by the state for at least six months shall receive a maximum merit increase of one salary step at the beginning of the first pay period of the new fiscal year.

(b) Employees designated as schedule AJ are not eligible for a merit step increase. Merit increases for employees in schedule AL, AM, or AS are not mandatory unless they are receiving benefits, and the increase is approved in agency policy.

(2) Highest Level Performer

(a) Employees designated by the agency as a highest level performer consistent with subsection R477-10-1(2) shall receive, as determined by the agency head, either:

(i) a salary step increase, or;

(ii) a bonus; or

(iii) administrative leave; or

(iv) other appropriate recognition as determined by the agency.

(b) Employees on a longevity step are not eligible for a salary step increase but may receive a bonus, administrative leave or other appropriate recognition as determined by the agency.

(3) Promotions and Reclassifications

(a) Employees promoted or reclassified to a position with a salary range exceeding the employee's current salary range maximum by one salary step shall receive a salary increase of a minimum of one salary step and a maximum of four salary steps. Employees who are promoted or reclassified to a position with a salary range exceeding the employee's current salary range maximum by two or more salary steps shall receive a salary increase of a minimum of two salary steps and a maximum of four salary steps.

(i) Employees may not be placed higher than the maximum salary step or lower than the minimum salary step in the new salary range. Placement of employees in longevity shall be consistent with subsection R477-7-4(4).

(ii) Employees who remain in longevity status after a promotion or reclassification shall retain their salary by being placed on the corresponding longevity step.

(b) To be eligible for a promotion, an employee shall:

(i) meet the job requirements/skills specified in the job description and position specific criteria as determined by the agency for the position unless the promotion is to a career service exempt position;

(c) Employees who have their positions reclassified to a job with a lower salary range shall retain their current salary. The employee shall be placed on the corresponding longevity step if their salary exceeds the maximum of the new salary range.

(4) Longevity

(a) An employee shall receive a longevity increase of 2.75 percent when:

(i) They have been in state service for eight years or more. They may accrue years of service in more than one agency, and such service is not required to be continuous.

(ii) They have been at the maximum salary step in the current salary range for at least one year and received a performance appraisal rating of successful or higher within the 12 month period preceding the longevity increase.

(b) Employees on a longevity step shall be eligible for the same across-the-board pay plan adjustments authorized for all other employee pay plans.

(c) Employees on a longevity step shall only be eligible for additional step increases every three years. To be eligible, employees must receive a performance appraisal rating of successful or higher within the 12 month period preceding the longevity increase.

(d) Employees on a longevity step who are reclassified to a lower salary range, shall retain their salary.

(e) Employees on a longevity step who are promoted or reclassified to a higher salary range shall only receive an increase if their current salary step is less than the highest salary step of their new range.

(f) Agency heads or time-limited exempt employees identified in R477-5-11 are not eligible for the longevity program.

(5) Administrative Adjustment

(a) Employees who have had their position allocated by DHRM from one job to another job or salary range for administrative purposes, shall not receive an adjustment in

salary.

(b) Implementation of new job descriptions as an administrative adjustment shall not result in a salary increase unless the employee is below the minimum step of the new range.

(6) Reassignment

(a) When permitted, by federal or state law, including but not limited to the American with Disability Act, management may lower the salary of an employee one or more steps when the employee is reassigned to a job or position with a salary range having a lower maximum step.

(7) Transfer

Employees who transfer from one job or position to another job or position may be offered salary increases effective the same date as the transfer.

(8) Demotions

Employees demoted consistent with R477-11-2 shall receive a salary reduction of one or more salary steps as determined by the agency head or designee. The agency head or designee may move an employee to a position with a lower salary range concurrent with the salary reduction.

(9) Payroll actions

Payroll actions shall be effective on the first day of a payroll period with the exception of new hires, rehires, and terminations.

(10) Productivity step adjustment

Agency management may establish policies to reward employees who assume additional workloads which result from the elimination of a position for at least one year with a salary increase of up to four salary steps. Employees at the top salary step of their salary range or in longevity shall be given a one time lump sum bonus award of 2.75% of their annual salary.

(a) To implement this program, agencies shall apply the following criteria:

(i) Either the employees or management can make the suggestion;

(ii) Employees and management agree;

(iii) The agency head approves;

(iv) A written program policy achieves increased productivity through labor/management collaboration;

(v) The agency human resource representative approves;

(vi) The position will be abolished from the position authorization plan for a minimum of one year;

(vii) Staff receives additional duties which are substantially above a normal full workload;

(viii) The same or higher level of service or productivity is achieved without accruing additional overtime hours;

(ix) The total dollar increase, including benefits, awarded to the workgroup as a result of the additional salary steps does not exceed 50 percent of the savings generated by eliminating the position;

(11) Administrative Salary Increase

The executive director or commissioner authorizes and approves Administrative Salary increases under the following parameters:

(a) Employees shall receive one or more steps up to the maximum of their salary range.

(b) Administrative Salary increases shall only be granted when the agency has sufficient funding within their annualized base budgets for the fiscal year in which the adjustment is given.

(c) Justifications for Administrative Salary Increases shall be:

(i) In writing;

(ii) Approved by the executive director or commissioner;

(iii) Supported by issues such as: special agency conditions or problems, equity issues, or other unique situations or considerations in the agency.

(d) The executive director or commissioner is the final authority for salary actions authorized within these guidelines. The executive director or commissioner or designee shall answer any challenge or grievance resulting from an Administrative Salary Increase.

(e) Administrative salary increases may be given during the probationary period. These increases alone do not constitute successful completion of probation or the granting of career service status.

(12) Administrative Salary Decrease

The executive director or commissioner authorizes and approves administrative salary decreases for non-disciplinary reasons according to the following:

(a) Employees shall receive a one or more step decrease not to exceed the minimum of their salary range.

(b) Justification for administrative salary decreases shall be:

(i) in writing;

(ii) approved by the executive director or commissioner;

(iii) supported by issues such as; previous written agreements between the agency and employees to include career mobility; reasonable accommodation, special agency conditions or problems, equity issues, or other unique situations or considerations in the agency.

(c) The executive director or commissioner is the final authority for salary actions within these guidelines. The executive director or commissioner or designee shall answer any challenge or grievance resulting from an administrative salary decrease.

R477-7-5. Incentive Awards.

Only agencies with written and published incentive award policies may reward employees with cash incentive awards, and non-cash incentive awards. Policies shall be consistent with standards established in these rules and with Department of Administrative Services, Division of Finance rules and procedures.

(1) Cash Incentive Awards

Agencies may reward employees or groups of employees who propose workable cost saving measures and other worthy acts with a cash incentive award.

(a) Individual awards shall not exceed $4,000 per occurrence and $8,000 in a fiscal year.

(b) Awards of $100 or more must be documented, evaluated, and approved by the agency. A copy shall also be maintained in the agency's individual employee file.

(2) Non-Cash Incentive Awards

Agency heads may recognize employees or groups of employees with non-cash incentive awards.

(a) Individual non-cash incentive awards shall not exceed a value of $50 per occurrence and $200 for each fiscal year.

(b) Non-cash incentive awards may not include cash equivalents such as gift certificates or tickets for admission.

R477-7-6. Employee Benefits.

(1) Agencies shall explain all benefits provided by the state to new hires or rehires within five working days of the hire date.

(2) Agency payroll or human resource staff shall submit personnel action forms to the appropriate agency levels within ten days of hire date.

(3) Employees must elect to enroll in the life, health and dental plans within 60 days of the hire date to avoid having to provide proof of insurability. Agencies shall submit the enrollment forms to Group insurance within three days of the date entered on the enrollment card.

(4) Flex Benefits

(a) The annual open enrollment period will be held each November for the following FLEX plan year. Exceptions to this rule are as follows:

(i) New employees wishing to participate in the FLEX benefits program shall enroll within the first 60 days of their employment. Coverage becomes effective on their employment date.

(ii) Employees who have a change in family status, such as marriage, divorce, or birth of a child, may enroll or make changes within 60 days of such event. Proper documentation, such as marriage license, divorce decree, or birth certificate, plus a completed FLEX family status change form must be received by the PEHP FLEX Plan Department within 60 days of the change in family status.

(b) Employees must re-enroll each year to participate in the FLEX benefits program.

(c) An employee's designated FLEX payroll deduction shall not be changed during the course of a year unless there is a change in family status.

(d) To be eligible for reimbursement, employees must submit eligible FLEX claims accompanied by documentation to the PEHP FLEX Office no later than the first Thursday of each pay period.

(e) The claim submission deadline for any plan year shall be 90 days following the end of the calendar year. To be eligible for reimbursement, the FLEX claim must be received at the PEHP FLEX Plan Department by close of business on the established plan year deadline.

(5) Employees working less than 40 hours per pay period are ineligible for benefits. Employees working 40 hours, except those identified in R477-5-11, or more per pay period shall be eligible for leave benefits on a pro-rated basis.

(6) Re-employed veterans under USERRA shall be entitled to the same employee benefits given to other continuously employed eligible employees to include seniority based increased pension and leave accrual.

R477-7-7. Employees Converting from Career Service to Schedule AD, AR, or AS.

(1) Career service employees in positions meeting the criteria for career service exempt Schedule AD, AR, or AS shall have 60 days to elect to convert from career service to career service exempt. As an incentive to convert, employees shall be provided the following:

(a) a base salary increase of one (1) to three (3) salary steps, as determined by the agency head. Employees at the maximum of their current salary range or on longevity shall receive, in lieu of the salary step adjustment, a one time bonus of 2.75 percent, 5.5 percent or 8.25 percent to be determined by the agency head;

(b) State paid term life insurance coverage if determined eligible by the Group Insurance Office to participate in the Term Life Program, Public Employees Health Plan:

(i) Salaries less than $50,000 shall receive $125,000 of term life insurance;

(ii) Salaries between $50,000 and $60,000 shall receive $150,000 of term life insurance;

(iii) Salaries more than $60,000 shall receive $200,000 of term life insurance.

(2) Employees electing to convert to career service exempt after their 60 days election period shall not be eligible for the salary increase, but shall be entitled to apply for the insurance coverage through the Group Insurance Office.

(3) Employees electing not to convert to career service exemption shall retain career service even though their position shall be designated as Schedule AD, AR or AS. When these career service employees vacate these positions, subsequent appointments shall be career service exempt.

(4) An agency head may reorganize so that a current career service exempt position no longer meets the criteria for exemption. In this case, the employee shall be designated as career service if he had previously earned career service. However, he shall not be eligible for the severance package or the life insurance. In this situation, the agency and employee shall make arrangements through the Group Insurance Office to discontinue the coverage.

(5) Career service exempt employees without prior career service status shall remain exempt. When the employee leaves the position, subsequent appointments shall be done consistent with R477-5.

(6) Agencies shall communicate to all impacted and future eligible employees the conditions and limitations of this incentive program.

R477-7-8. State Paid Life Insurance.

(1) A benefits eligible career service exempt employee on schedule AA, AB, AD, and AR shall be provided the following benefits:

(a) State paid term life insurance coverage if determined eligible by the Group Insurance Office to participate in the Term Life Program Public Employees Health Plan:

(i) Salaries less than $50,000 shall receive $125,000 of term life insurance;

(ii) Salaries between $50,000 and $60,000 shall receive $150,000 of term life insurance;

(iii) Salaries more than $60,000 shall receive $200,000 of term life insurance.

(2) Employees on schedule AC, AK, AM and AS may be provided these benefits at the discretion of the appointing authority.

R477-7-9. Severance Benefit.

(1) A benefits eligible career service exempt employee on schedule AB, AD and AR who is terminated from state service shall receive a severance benefit equal to one week of pay for each year of consecutive exempt service accrued after January 1, 1993 except as provided in R477-7-9(3).

(2) A benefits eligible career service exempt employee on schedule AB, AD and AR who accepts reassignment to a position with a lower salary range, without a break in service, shall receive a severance benefit equal to the difference between his current hourly rate of pay and his new hourly rate multiplied by the number of accrued annual leave, converted sick leave and excess hours.

(3) A severance benefit shall not be paid to employees:

(a) whose statutory term has expired without reappointment;

(b) who are retiring from state service or are voluntarily separating

from the executive branch;

(c) who are eligible for retirement; or

(d) who are discharged for cause.

(4) Employees on schedule AC, AK, AM and AS may be provided the same severance benefit at the discretion of the appointing authority.

R477-7-10. Human Resource Transactions.

The Executive Director, DHRM, shall publicize procedures for processing payroll/human resource transactions actions and documents.

KEY: salaries, employee benefit plans*, insurance, personnel management

July 3, 2001 67-19-6

Notice of Continuation July 1, 1997 67-19-12

67-19-15.1(4)

R477. Human Resource Management, Administration.
R477-8. Working Conditions.
R477-8-1. Agency Policies and Exemptions.

(1) Each agency shall write its own policies for work schedules, overtime, leave, and other working conditions consistent with these rules.

(2) The Executive Director, DHRM, may authorize exceptions to this rule, consistent with R477-2-2(1).

R477-8-2. Work Period.

(1) Tasks shall be assigned and wages paid in return for work completed. During the state's standard work week, each employee is responsible for fulfilling the essential functions of his job.

(a) The state's standard work week begins Saturday and ends the following Friday.

(b) State offices are typically open Monday through Friday from 8 a.m. to 5 p.m. Agencies may adopt extended business hours to enhance service to the public, consistent with overtime provisions of R477-8-6.

(c) Employees may negotiate for flexible starting and quitting times with their immediate supervisor as long as scheduling is consistent with overtime provisions of the rules R477-8-6.

(d) Agencies may implement alternative work schedules approved by the Director.

(e) Employees are required to be at work on time. Employees who are late regardless of the reason, including inclement weather, shall make up the lost time by using accrued leave, leave without pay or, with management approval, adjust their work schedule.

R477-8-3. Bus Passes.

Agencies may participate in the purchase of bus passes for employees.

R477-8-4. Telecommuting.

(1) Telecommuting is an agency option, not a universal employee benefit. Agencies utilizing a telecommuting program shall:

(a) Establish a written policy governing telecommuting.

(b) Enter into a written contract with each telecommuting employee to specify conditions, such as use of state or personal equipment, and results such as identifiable benefits to the state and how customer needs are being met.

(c) Not allow telecommuting employees to violate overtime rules.

R477-8-5. Lunch and Break Periods.

(1) Each full-time work day shall include a minimum of 30 minutes non-compensated lunch period. This lunch period is normally scheduled between 11:00 a.m. and 1:00 p.m. for a regular day shift.

(2) Employees may take a 15 minute compensated break period for every four hours worked.

(3) Lunch and break periods shall not be adjusted or accumulated to accommodate a shorter work day. Any exceptions must be approved in writing by the Executive Director, DHRM.

R477-8-6. Overtime.

The state's policy for overtime is adopted and incorporated from the Fair Labor Standards Act, 29 CFR Parts 500 to 899(1996).

(1) Management may direct an employee to work overtime. Each agency shall develop internal rules and procedures to ensure overtime usage is efficient and economical. These policies and procedures shall include:

(a) Prior supervisory approval for all overtime worked;

(b) Recordkeeping guidelines for all overtime worked;

(c) Verification that there are sufficient funds in the budget to compensate for overtime worked.

(2) Overtime compensation standards are identified for each job title in HRE as either FLSA non-exempt, or FLSA exempt.

(a) Employees may appeal their FLSA designation to their agency human resource office and DHRM concurrently. Further appeals must be filed directly with the United States Department of Labor, Wage and Hour Division. The provisions of Sections 67-19-31 and 67-19a-301 and Title 63, Chapter 46b shall not apply for FLSA appeals purposes.

(3) FLSA non-exempt employees may not work more than 40 hours a week without management approval. They shall receive overtime when they actually work more than 40 hours a week. Leave and holiday time taken within the work period shall not count as hours worked when calculating overtime accruing. Hours worked over two or more weeks shall not be averaged out with the exception of certain types of law enforcement, fire protection, and correctional employees.

(a) FLSA non-exempt employees shall sign a prior overtime agreement authorizing management to compensate them for overtime worked by actual payment or time off at time and one-half.

(b) FLSA non-exempt employees may receive compensatory time for overtime, up to a maximum of 80 hours. Only with prior approval of the Executive Director, may compensatory time accrue up to 240 hours for regular employees or up to 480 hours for peace/correctional officers, emergency or seasonal employees. Once employees reach the maximum, they shall be paid for additional overtime on the pay day for the period in which it was earned.

(4) FLSA exempt employees may not work more than 80 hours in a pay period without management approval. They shall accrue compensatory time when they actually work more than 80 hours in a work period. Leave and holiday time taken within the work period may not count as hours worked when calculating compensatory time. Each agency shall compensate FLSA exempt employees who work overtime by giving them time off. For each hour of overtime worked, an FLSA exempt employee shall accrue an hour of compensatory time. Compensatory hours earned in excess of a base of 80 shall be paid down to 80.

(a) Agencies shall establish in written policy a uniform overtime year and communicate it to employees. If an agency fails to establish a uniform overtime year, the Executive Director and the Director of Finance, Department of Administrative Services, will determine the date for the agency at the end of one of the following pay periods: Five, Ten, Fifteen, Twenty, or the last pay period of the calendar year.

(b) Any compensatory time earned by FLSA exempt employees is not an entitlement, a benefit, nor a vested right.

(c) Any compensatory time earned by FLSA exempt employees shall lapse at the end of an agency's annual overtime year.

(d) Any compensatory time earned by FLSA exempt employees shall lapse when they transfer to another agency, terminate, retire or otherwise do not return to work before the end of the overtime year.

(e) The agency director may approve overtime for non-career service deputy and division directors, but overtime shall not be compensated with actual payment.

(5) Law enforcement/correctional officers

(a) To be considered for overtime compensation under this rule, a law enforcement or correctional officer must meet the following criteria:

(i) be a uniformed or plainclothes sworn officer;

(ii) be empowered by statute or local ordinance to enforce laws designed to maintain public peace and order, to protect life and property from accident or willful injury, and to prevent and detect crimes; and

(iii) have the power to arrest.

(b) Law enforcement or correctional officers designated FLSA non-exempt and covered under this rule shall accrue overtime when they work more than 171 hours in 28 consecutive days. An agency may select a work period of 86 hours within a 14-day period for law enforcement employees, but all changes shall conform to the following:

(i) The Fair Labor Standards Act, Section 207(k);

(ii) The State's payroll period;

(iii) The approval of the Executive Director.

(c) Fire protection employees shall accrue overtime when they work more than 212 hours in 28 consecutive days.

(d) The work period selection becomes permanent when scheduled and may not be changed to evade overtime compensation rules.

(6) Compensatory Time

(a) Agency management shall arrange for an employee's use of compensatory time as soon as possible without unduly disrupting agency operations or endanger public health, safety or property.

(b) Compensatory time balances are paid down to zero when FLSA non-exempt employees transfer from one agency to a different agency.

(7) Time Reporting

(a) FLSA non-exempt employees must complete and sign a State approved biweekly time sheet. Time sheets developed by the agency shall have the same elements of the State approved time sheet and be approved by the Department of Administrative Services, Division of Finance.

(b) FLSA exempt employees who work more than 80 hours in a work period must record their total hours worked, and/or the compensatory time used on their biweekly time sheet. All hours must be recorded in order to claim overtime. Completion of the time sheet is at agency discretion when no overtime is worked during the work period.

(8) Hours Worked: FLSA non-exempt employees shall be compensated for all hours they are permitted to work. Hours worked shall be accounted for as long as the state permits employees to work on its behalf, regardless of the reason for the work. Employees who work unauthorized overtime may be subject to disciplinary actions.

(a) All time that FLSA non-exempt employees are required to wait for an assignment while on duty, before reporting to duty, or before performing their activities is counted towards hours worked.

(b) Time spent waiting after being relieved from duty is not counted as hours worked if one or more of the following conditions apply:

(i) The employee arrives voluntarily before their scheduled shift and waits before starting duties;

(ii) The employee is completely relieved from duty and allowed to leave the job;

(iii) The employee is relieved until a definite specified time;

(iv) The relief period is long enough for the employee to use as the employee sees fit.

(c) On-call time: Employees required by agency management to be available for on-call work shall be compensated for on-call time at a rate of 1 hour for every 12 hours the employee is on-call.

(i) Time is considered "on-call time" when the employee has freedom of movement in personal matters as long as he/she is available for call to duty.

(ii) An employee must be directed by his supervisor, either verbally or in writing, that he is on call for a specified time period. Carrying a beeper or cell phone shall not constitute on call time without a specific directive from a supervisor.

(iii) The employee shall record the hours spent in on call status on his time sheet in order to be paid.

(d) Stand-by time: Employees restricted to "stand-by" at a specified location ready for work must be paid full time or overtime, as appropriate. Workers must be paid for stand-by time if they are required to stand by their posts ready for duty, even during lunch periods, equipment breakdowns, or other temporary work shut-downs.

(e) The meal periods of guards, police, and other public safety or correctional officers and firefighters who are on duty more than 24 consecutive hours must be counted as working time, unless an express agreement excludes the time.

(f) Commuting and Travel Time:

(i) Normal commuting time from home to work and back shall not count towards hours worked.

(ii) Time employees spend traveling from one job site to another during the normal work schedule shall count towards hours worked.

(iii) Time employees spend traveling on a special one day assignment shall count towards hours worked except meal time and ordinary home to work travel.

(iv) Travel that keeps an employee away from home overnight does not count towards hours worked if it is time spent outside of regular working hours as a passenger on an airplane, train, boat, bus, or automobile.

(v) Travel as a passenger counts toward hours worked if it is time spent during regular working hours. This applies to nonworking days, as well as regular working days. However, regular meal period time is not counted.

(g) Excess Hours: Employees may use excess hours the

same way as annual leave.

(i) Agency management shall approve excess hours before the work is performed.

(ii) Agency management may deny the use of any leave time, other than holiday leave, that results in an employee accruing excess hours.

(iii) Employees on schedule AB may not accumulate more than 80 excess hours.

(iv) Agency management may pay out excess hours under one of the following:

(A) Paid off automatically in the same pay period accrued;

(B) All hours accrued above 40;

(C) All hours accrued above 80.

(D) Employees on schedule AB shall only be paid for excess hours at retirement or termination.

R477-8-7. Leave.

All employees who regularly work 40 hours or more per pay period, except Schedule AJ or other temporary workers, are eligible for leave benefits. Employees receive leave benefits in proportion to the number of hours they are scheduled to work. Employees shall use leave in no less than quarter hour increments.

(1) Holiday Leave

(a) The following dates are designated legal holidays:

(i) New Years Day -- January 1

(ii) Dr. Martin Luther King Jr. Day -- third Monday of January

(iii) Washington and Lincoln Day -- third Monday of February

(iv) Memorial Day -- last Monday of May

(v) Independence Day -- July 4

(vi) Pioneer Day -- July 24

(vii) Labor Day -- first Monday of September

(viii) Columbus Day -- second Monday of October

(ix) Veterans' Day -- November 11

(x) Thanksgiving Day -- fourth Thursday of November

(xi) Christmas Day -- December 25

(xii) The Governor may also designate any other day a legal holiday.

(b) If a holiday falls on a Sunday, the following Monday shall be observed as a holiday. If a holiday falls on a Saturday, the preceding Friday shall be observed as a holiday.

(c) If an employee is required to work on an observed holiday, the employee shall receive appropriate holiday leave, or shall receive compensation for the excess hours worked.

(d) The following employees are eligible to receive holiday leave:

(i) Full-time employees shall accrue eight hours of paid holiday leave on holidays;

(ii) Part-time career service employees and partners in a job-shared position who work 40 hours or more per pay period shall receive holiday leave in proportion to the hours they normally work in a pay period;

(iii) Employees working flex-time, as defined in R477-8-2, shall receive a maximum of 88 hours of holiday leave in each calendar year. If the holiday falls on a regularly scheduled day off, flex-time employees shall receive an equivalent work day off, not to exceed eight hours or shall receive compensation for the excess hours at the later date.

(e) In order to receive paid holiday leave the employee shall be in a paid status in the pay period in which the holiday falls as listed in R477-8-7-(1)(a), and not be terminated or in a Leave Without Pay status prior to the holiday.

(f) The first eight hours of annual leave used by an employee in the calendar leave year shall be the employees personal preference day.

(2) Conditions of leave

(a) Eligible employees who work 40 or more hours per pay period shall accrue annual and sick leave in proportion to the time paid. They shall also receive funeral, holiday, and paid military leave in proportion to the time paid. Employees excluded from these are "at will" employees identified in R477-5-11.

(b) Seasonal, temporary, or part-time employees working less than 40 hours per pay period are not eligible for paid leave.

(c) Accrual rates for sick and annual leave are determined on the Annual and Sick Leave Accrual table available through DHRM.

(d) An employee may not use annual, sick, excess or holiday leave before he has accrued it.

(e) Employees transferring from one agency of State service to another are entitled to transfer all accrued annual, sick, and converted sick leave to the new agency.

(f) Employees on paid leave shall continue to accrue annual and sick leave.

(g) Employees terminating or retiring from State service shall be cashed out in a lump sum for all annual leave and converted sick leave effective through the last day actually worked. Leave cannot be accrued after the last day worked. No leave-on-leave may accrue or be paid on the cashed out annual leave.

(h) Contributions to benefits may not be paid on cashed out leave, other than FICA tax, except as it applies to converted sick leave in R477-8-7(5)(b) and the Retirement Benefit in R477-8-7(6).

(3) Annual Leave

(a) Employees eligible for annual leave shall accrue leave based on the following years of State service:

(i) Zero through five years -- four hours per pay period.

(ii) Beginning of sixth year through ten years -- five hours per pay period.

(iii) Beginning of eleventh year through twenty years -- six hours per pay period.

(iv) Beginning of the twenty first year or more - seven hours per pay period.

(b) The accrual rate for employees hired on or after July 1, 1995 shall be based on all State employment in which the employee was eligible to accrue leave.

(c) Eligible employees may begin to use annual leave time after completing the equivalent of two full pay periods of employment.

(d) Agency management shall allow every employee the option to use annual leave each year for at least the amount accrued in the year. However, annual leave granted shall be approved in advance by management.

(e) An employee may elect to convert unused annual leave to a 401(k) or 457 deferred compensation program sponsored by

the Utah State Retirement Board.

(i) The election to convert may only be made after the end of the last pay period of the leave year as determined by the Division of Finance.

(ii) The conversion shall be in whole hour increments.

(iii) An employee may convert up to 20 hours or $250 in value, whichever is less.

(iv) Only hours accrued in excess of 320 hours after the end of the last pay period of the leave year are eligible for conversion.

(v) The value of the converted leave may not cause the contribution to the 401(k) or 457 account to exceed the maximum authorized by the Internal Revenue Code.

(f) Any unused accrued annual leave time in excess of 320 hours shall be forfeited at the beginning of the first full pay period of each calendar year.

(g) Department deputy directors and division directors appointed to career service exempt status positions shall be eligible for the maximum annual leave accrual rate upon their date of hire.

(i) They shall not be eligible for any transfer of leave from other jurisdictions.

(ii) Other provisions of leave shall apply as defined in R477-8-7(3).

(4) Sick Leave

(a) Employees shall accrue sick leave with pay at the rate of four hours each pay period. Sick leave shall accrue without limit.

(b) Employees may begin to use accrued sick leave after completing the equivalent of at least two full pay periods of employment.

(c) Sick leave shall be granted for preventive health and dental care, maternity/paternity and adoption care, or for absence from duty because of illness, injury or temporary disability of a spouse or dependents living in the employee's home. Exceptions may be granted for other unique medical situations.

(d) Employees shall arrange for a telephone report to supervisors at the beginning of the scheduled work day they are absent because of illness or injury. Management may require reports for serious illnesses or injuries.

(e) Any application for a grant of sick leave to cover an absence which exceeds four successive working days shall be supported by administratively acceptable evidence. If there is reason to believe that an employee is abusing sick leave, a supervisor may require an employee to produce evidence regardless of the number of sick hours used.

(f) Any absence for illness beyond the accrued sick leave credit may continue under the following provisions: an approved leave-without-pay status, not to exceed 12 months, an approved Family Medical Leave Status, or in an annual or other accrued leave status.

(g) After filing a termination notice, employees must support sick leave requests with a doctor's certificate.

(h) Employees separating from State service may not receive compensation for accrued unused sick leave unless they are retiring. However, employees who are rehired within 12 months of separation to a position which receives sick leave benefits shall have their previously accrued unused sick leave credit reinstated.

(i) Employees who are rehired within 12 months of separation to a position which receives sick leave benefits shall have their previously accrued unused sick leave credit reinstated.

(ii) Employees who retire from state service and are then rehired may not reinstate their unused sick leave credit.

(5) Converted Sick Leave

As an incentive to reduce sick leave abuse, an employee may convert sick leave hours to converted sick leave after the end of any calendar year in which he is eligible.

(a) To be eligible, an employee must have a minimum of 144 hours in his sick leave account at the beginning of the first pay period of the calendar year.

(i) At the end of the last pay period of a calendar year in which an employee is eligible, all unused hours accrued that year in excess of 64 shall be converted to converted sick leave unless the employee designates otherwise.

(ii) Upon termination, an eligible employee may convert any unused hours accrued in the current calendar leave year in excess of 64 to converted sick. In the event the employee has the maximum accrued in converted sick these hours will be added to his annual leave account balance.

(iii) The maximum hours of converted sick leave an employee may accrue is 320.

(b) Converted sick leave may be used as annual leave, regular sick leave, or as paid-up health and life insurance at the time of retirement for employees under age 65. If an employee is 65 years of age or older at the time of retirement, converted sick leave may be used to purchase a medicare supplement.

(i) Payment for health and life insurance is the responsibility of the employing agency.

(ii) The purchase rate shall be eight hours of converted sick leave for the state paid portion of the premium for one month's coverage for health and life insurance.

(iii) The participation rate on premium payments for health and life insurance shall be the same as the participation rate for current employees on the same plan.

(6) Retirement Benefit

Employees may be offered a retirement benefit program, according to Section 67-19-14(2).

(a) This program is optional for each department. However, any decision whether or not to participate shall be agency-wide and shall be consistent through an entire fiscal year.

(i) If an agency decides to withdraw for the next fiscal year after initially deciding to participate, the agency must notify all employees at least 60 days before the new fiscal year begins.

(ii) The employing department shall provide the same health and life insurance benefits as provided to current employees for five years or until the employee reaches the age eligible for Medicare, whichever comes first.

(A) Health insurance provided shall be the same coverage carried by the employee at the time of retirement, i.e., family, two-party, or single. If the employee has no health coverage in place upon retirement, none shall be offered or provided.

(B) Life insurance provided shall be the minimum authorized coverage provided for all State employees.

(C) The participation rate on premium payments shall be

the same as the participation rate for current employees on the same plan.

(b) Employee participation in any part of this incentive program shall be voluntary, but the decision to participate shall be made at retirement.

(c) An employee may elect to receive a cash payment, or transfer to an approved 401(k) or 457(k)account, up to 25 percent of his accrued unused sick leave at his current rate of pay.

(d) After the election for cash out is made, 480 hours shall be deducted from the employees remaining sick leave balance.

(e) The employee may use remaining sick leave hours to participate in the following incentive program.

(i) The employee may purchase PEHP health insurance, or a state approved program, and life insurance coverage for himself until he reaches the age eligible for Medicare.

(A) Health insurance shall be the same coverage carried by the employee at the time of retirement, i.e., family, two-party, or single.

(B) Life insurance provided shall be the minimum authorized coverage provided for all State employees.

(C) The purchase rate shall be eight hours of sick leave for the state paid portion of one month's premium.

(D) The participation rate on premium payments shall be the same as the participation rate for current employees on the same plan.

(ii) After the employee reaches the age eligible for Medicare, he may purchase PEHP Preferred Care health insurance, or a state approved cost equivalent program for a spouse until the spouse reaches the age eligible for Medicare.

(A) The purchase rate shall be eight hours of sick leave for one month's premium.

(iii) When the employee reaches the age eligible for Medicare, he may purchase a high option Medicare supplement policy for himself at the rate of eight hours of sick leave for one month's premium.

(iv) When the spouse reaches the age eligible for Medicare, the employee may purchase a high option Medicare supplement policy for the spouse at the rate of eight hours of sick leave for one month's premium.

(7) Workers Compensation Leave

(a) An employee may use accrued leave benefits to supplement the workers compensation benefit.

(i) The combination of leave benefit and workers compensation benefit shall not exceed the employees gross salary. Leave benefits shall only be used in increments of one hour in making up any difference.

(ii) The use of accrued leave to supplement the worker compensation benefit shall be terminated if:

(A) the employee is declared medically stable by licensed medical authority; or

(B) the workers compensation fund terminates the benefit; or

(C) the employee has been absent from work for one year; or

(D) the employee refuses to accept appropriate employment offered by the state; or

(E) the employee receives Long Term Disability or Social Security Disability benefits.

(iii) The employee shall refund to the state any accrued leave paid which exceeds the employees gross salary for the period for which the benefit was received.

(b) Employees will continue to accrue state paid benefits while receiving a workers compensation time loss benefit for up to one year.

(c) Employees who file fraudulent workers compensation claims shall be disciplined according to the provisions of R477-11.

(8) Long Term Disability Leave

(a) Employees who are determined eligible for the Long Term Disability Program (LTD) shall be granted up to one year of medical leave, if warranted by a medical condition.

(i) The one-year medical leave begins on the last day the employee worked. LTD requires a three-month waiting period before benefit payments begin. During this period, employees may use available sick and converted sick leave. When those balances are exhausted, employees may use other leave balances available.

(ii) Employees determined eligible for Long Term Disability benefits, after the three-month waiting period, shall be eligible for health insurance benefits beginning two months after the last day worked. The health insurance benefit shall continue without premium payment for up to twenty-two months or until they are eligible for Medicare/Medicaid, whichever occurs first. After twenty-two months, the health insurance may be continued,with premiums being paid by LTD in accordance with their policy and practice.

Upon approval of the LTD claim:

(A) Bi-weekly salary payments that the employee may be receiving shall cease. If the employee received any salary payments after the three-month waiting period, the LTD benefit shall be offset by the amount received.

(B) The employee shall be paid for remaining balances of annual leave, compensatory hours and excess hours in a lump sum payment. This payment shall be made at the time LTD is approved unless the employee requests in writing to receive it upon termination from state employment. No reduction of the LTD payment shall be made to offset this payment. If the employee returns to work prior to one year after the last day worked, the employee has the option of buying back annual leave.

(C) An employee with a converted sick leave balance at the time of LTD eligibility shall have the option to receive a lump-sum payout of all or part of the balance or to keep the balance intact to pay for health and life insurance upon retirement. The payout shall be at the rate at the time of LTD eligibility.

(D) An employee who retires from state government directly from LTD may be eligible for up to five years health and life insurance as provided in Subsection 67-19-14(2)(b)(ii).

(E) Unused sick leave balance shall remain intact until the employee retires. At retirement, the employee shall be eligible for the cash payout and the purchase of health and life insurance as provided in Subsection 67-19-14(2)(c)(i).

(b) Employees shall continue to accrue service credit for retirement purposes while receiving long-term disability benefits.

(c) Conditions for return from leave without pay shall

include:

(i) If an employee is able to return to work within one year of the last day worked, the agency shall place the employee in his previously held position or similar position in a comparable salary range.

(ii) If an employee is unable to perform the essential functions of the position because of a permanent disability, the obligation to place the employee in the same or similar position shall be set aside. The employing unit shall place the employee in the best available, vacant position for which he is qualified, if able to perform the essential functions of the position with or without reasonable accommodation. If the employing unit does not have an available position, the agency shall then attempt to place the individual. The new position shall be consistent with the employee's qualifications and capabilities.

(iii) For the first year, every effort shall be made to find a position as close to the salary range and function as the original position.

(iv) The agency Executive Director may extend the medical leave beyond one year if the employee's illness or injury results in disability prohibiting the employee from performing the essential functions of the position, as defined by ADA.

(d) Employees who file fraudulent long term disability claims shall be disciplined according to the provisions of R477-11.

(9) Funeral Leave

Employees may receive a maximum of twenty four hours funeral leave per occurrence with pay at management's discretion to attend the funeral of a member of the immediate family. Funeral leave may not be charged against accrued sick or annual leave.

(a) The "immediate family" means-- wife, husband, children, daughter-in-law, son-in-law, parents, grandchildren, mother-in-law, father-in-law, brother-in-law, sister-in-law, grandparents, spouse's grandparents, step-children, and step-parents, brothers and sisters, step-brothers and step-sisters of the employee.

(10) Military Leave

One day of military leave is the equivalent of 8 hours.

(a) Employees who are members of the National Guard or Military Reserves are entitled to military leave not to exceed fifteen days per calendar year without loss of pay, annual leave or sick leave. Employees shall be on official military orders and may not claim salary for non-working days spent in military training or for traditional weekend training.

(b) Officers and employees of the state shall be granted military leave without pay for the period of active service or duty, including travel time, Section 39-3-1.

(c) Employees are required to give notice of active military service as soon as they are notified.

(d) Upon termination from active military service, under honorable conditions, employees shall be placed in their original position or one of like seniority, status and pay. The cumulative length of time allowed for re-employment may not exceed five years. Employees are entitled to re-employment rights and benefits including increased pension and leave accrual. Persons entering military leave may elect to have payment for annual leave deferred. In order to be reemployed, employees shall present evidence of military service and leave without pay status, and:

(i) For service less than thirty-one days, return at the beginning of the next regularly scheduled work period on the first full day after release from service taking into account safe travel home plus an eight-hour rest period, or:

(ii) For service of more than thirty-one days but less than 181 days, submit an application for reemployment within fourteen days of release from service, or

(iii) For service of more than 180 days, submit an application for reemployment within ninety days of release from service.

(11) Leave of Absence Without Pay

Employees may be granted continuous leave of absence without pay for up to 12 months. Employees shall apply in writing to agency management for approval. If absence is due to FMLA, workers compensation or long-term disability, R477-8-9 or R477-8-7(7) applies.

(a) Medical leave without pay may be granted for no more than twelve months. Medical leave may be approved if a registered health practitioner certifies that an employee is temporarily disabled.

(b) Agency management may approve leave without pay for employees even though annual or sick leave balances exist. Employees may take up to ten consecutive working days of leave without pay without affecting the leave accrual rate.

(i) Employees who receive no compensation for a complete pay period shall be responsible for payment of state provided benefit premiums, unless they are covered by the provisions under the federal Family and Medical Leave Act, in R477-8-9.

(c) Employees who return to work on or before the expiration of leave without pay, shall be placed in a position with comparable pay and seniority to their previously held position, provided the same or comparable level of duties can be performed with or without reasonable accommodation. The employee shall also be entitled to previously accrued annual and sick leave.

(d) Leave without pay for non-disability reasons may be granted only when there is an expectation that the employee will return to work.

(e) Health insurance benefits shall continue for employees on leave without pay because of work-related injuries or illnesses. Except as provided under the family and medical leave provisions, employees on leave without pay must personally continue the premiums to receive health insurance benefits.

(12) Jury Leave

(a) Employees are entitled to a leave of absence with full pay when, in obedience to a subpoena or direction by proper authority, they are required to:

(i) Appear as a witness as part of their position for the federal government, the State of Utah, or a political subdivision of the state, or

(ii) Serve as a witness in a grievance hearing as provided in Section 67-19-31 and Title 67, Chapter 19a.

(iii) Serve on a jury

(b) Employees choosing to use annual leave while on jury duty shall be entitled to keep jurors fees; otherwise, jurors fees received shall be returned to agency payroll clerks for deposit

with the State Treasurer. The fees shall be deposited as a refund of expenditure in the low org. where the salary is recorded.

(c) Employees who are absent in order to litigate in matters unrelated to their position shall take leave as annual or as leave without pay.

(13) Administrative Leave

(a) Administrative leave may be granted consistent with agency policy for the following reasons:

(i) corrective action;

(ii) personal decision-making prior to discipline;

(iii) suspension with pay-- during removal from job site--pending hearing on charges;

(iv) during management decision situations that benefit the organization;

(v) incentive awards in lieu of cash;

(vi) when no work is available due to unavoidable conditions or influences;

(vii) removal from adverse or hostile work environment situations pending management corrective action;

(viii) educational assistance;

(ix) employee assistance and fitness for duty evaluations.

(b) Agency head or designee may grant paid administrative leave for no more than ten consecutive working days per occurrence. Other conditions of administrative leave are:

(i) Administrative leave in excess of 10 consecutive working days per occurrence may be granted by written approval of the agency head.

(ii) Administrative leave taken must be documented in the employee's leave record.

(14) Disaster Relief Volunteer Leave

(a) An employee may be granted an aggregate of 15 working days or 120 work hours in any 12 month period to participate in disaster relief services for the American Red Cross. To request this leave an employee must be a certified disaster relief volunteer; and file a written request with the employing agency. The request shall include:

(i) a copy of a written request for the employee's services from an official of the American Red Cross;

(ii) the anticipated duration of the absence;

(iii) the type of service the employee is to provide for the American Red Cross; and

(iv) the nature and location of the disaster where the employee's services will be provided.

(15) Furlough

(a) Agency management may furlough employees as a means of saving salary costs in lieu of or in addition to a reduction in force. Furlough plans are subject to the approval of the agency head and the following conditions:

(i) Employees accrue annual and sick leave.

(ii) Full payment of all fringe benefits continue at agency's expense.

(iii) Employees shall return to their positions.

(iv) Furlough is applied equitably, e.g., to all persons in a given class, all program staff, or all staff in an organization.

R477-8-8. Leave Bank.

With the approval of the agency director, agencies may establish a leave bank program as follows:

(1) Only annual leave, excess hours and converted sick leave hours may be donated to a leave bank.

(a) Employees shall not receive donated leave until they use all of their individually accrued leave.

(b) Only employees of agencies with approved leave bank programs may donate annual leave, excess hours and converted sick leave hours to another agency with a leave bank program, if mutually agreed on by both agencies.

(c) Leave shall be accrued if an employee is on sick leave donated from an approved leave bank program.

R477-8-9. Family and Medical Leave.

(1) This rule conforms with the federal Family and Medical Leave Act, 29 USC 2601. Employees eligible under this rule shall continue to receive medical insurance benefits provided the employee was entitled to medical insurance benefits prior to the commencement of FMLA leave.

(a) Agency management shall authorize up to twelve weeks of leave each calendar year to employees for any of the following reasons:

(i) birth of a child,

(ii) adoption of a child,

(iii) placement of a foster child,

(iv) a serious health condition of the employee, or

(v) care of a spouse, dependent child or parent with a serious medical condition.

(2) To be eligible for the twelve weeks of family medical leave, the employee must be--

(a) Employed by the state for at least 12 months, and

(b) Employed by the state for a minimum of 1250 compensable work hours as determined under FMLA during the 12-month period immediately preceding the commencement of leave.

(3) Employees (or an appropriate spokesperson) shall submit a leave request

(a) Thirty days in advance for foreseeable needs; or

(b) As soon as possible in emergencies.

(4) Agency Responsibility

(a) Agency management shall be responsible for:

(i) documenting employee leave requests which qualify as FMLA leave; and

(ii) designating any qualifying leave taken by employees as FMLA leave. All leave requests which qualify as FMLA leave shall be designated as such and shall be subject to all provisions of this rule. No other leave shall be granted until the employee has exhausted his 12-week entitlement under FMLA.; and

(iii) notifying employees in writing of the designation within two business days, or as soon as a determination can be made that the leave request qualifies as FMLA leave if the agency does not initially have sufficient information to make a determination.

(b) Written notification to employees shall include the following information:

(i) that the leave will be counted against the employee's annual FMLA entitlement;

(ii) any requirements for the employee to furnish medical certification of a serious health condition and the consequences of failing to do so;

(iii) a statement explaining that the employee will be

required to exhaust unused annual, converted, and/or sick leave, before going into a LWOP status;

(iv) any requirement for the employee to make any premium payments to maintain health benefits and the arrangements for making such payments, and the possible consequences of failure to make such payments on a timely basis;

(v) any requirement for the employee to present a fitness-for-duty certificate to be restored to employment;

(vi) the employee's rights to restoration to the same or an equivalent job upon return from leave; and

(vii) the employee's potential liability for payment of health insurance premiums paid by the employer during the employee's unpaid FMLA leave if the employee fails to return to work after taking FMLA leave.

(c) Agencies may designate FMLA leave after the fact only:

(i) if the reason for leave was previously unknown, provided the reason for leave is made within two business days after the employee's return to work; or

(ii) the agency has preliminarily designated the leave as FMLA leave and is awaiting medical certification.

(d) Agencies shall allow employees at least 15 calendar days to provide medical certification if FMLA leave is not foreseeable.

(e) Agencies shall inform Group Insurance that an employee is approved for FMLA leave.

(5) An employee shall be required to use accrued annual and converted sick leave and excess hours prior to the use of leave without pay for the family and medical leave period. Employees shall be required to use accrued sick leave only in situations considered eligible under R477-8-7(4)(c). Employees who take family and medical leave in a leave without pay status must comply with R477-8-7(11).

(a) Employees may choose to use compensatory time for an FMLA reason. Any period of leave paid from the employee's accrued compensatory time account may not be counted against the employee's FMLA leave entitlement.

(6) Employees shall be eligible to return to work under R477-8-7(11).

(a) If an employee fails to return to work after unpaid FMLA leave has ended, an agency may recover, with certain exceptions, the health insurance premiums paid by the agency on the employee's behalf. An employee is considered to have returned to work if he or she returns for at least 30 calendar days.

(b) Exceptions to this provision include:

(i) FLSA exempt and Schedule AB, AD and AR employees who have been denied restoration upon expiration of their leave time;

(ii) Employees whose circumstances change unexpectedly beyond their control during the leave period and he or she cannot return to work at the end of twelve weeks.

(7) For maternity and child placement leave, time must be taken in no less than 8 hour increments.

(8) Leave taken for purposes of childbirth, adoption, placement for adoption or foster care shall not be taken intermittently unless the employee and employer mutually agree.

(9) Leave required for certified medical reasons may be taken intermittently.

(10) Leave taken for a serious health condition covered under workers' compensation may be counted towards an employee's FMLA entitlement. Use of accrued paid leave shall not be required for FMLA leave at the same time the employee is collecting a workers' compensation benefit.

(11) Medical records created for purposes of FMLA and the Americans with Disabilities Act must be maintained in accordance with confidentiality requirements of R477-2-5(6).

R477-8-10. Dual State Employment.

An employee who has more than one position within state government, regardless of schedule is considered to be in a dual employment situation. The following conditions apply to dual employment status.

(1) An employee in a dual employment status, regardless of the schedule of any of the secondary position(s) the employee may be in, shall be coded as schedule TL.

(2) An employee may work in up to 4 different positions in state government.

(3) An employee's benefits status for any secondary position(s), regardless of schedule of any of the positions, shall be the same as the primary position.

(4) An employee's FLSA status (exempt or non-exempt) for any secondary position(s) shall be the same as the primary position.

(5) Leave accrual shall be based on all hours worked in all positions, and may not exceed the maximum amount allowed in the primary position.

(6) As a condition of dual employment, an employee in dual employment status is prohibited from accruing excess hours in either the primary or secondary positions. All excess hours earned shall be paid at straight time in the pay period in which the excess hours are earned.

(7) As a condition of dual employment, the Overtime/Comp selection shall be as overtime paid regardless of FLSA status. An employee may not accrue comp hours while in dual employment status.

(8) Overtime shall be calculated at straight time or time and one half depending on the FLSA status of the primary position. Time and a half overtime rates shall be calculated based on the weighted average rate of the multiple positions. Refer to Division of Finance's payroll policies, dual employment section.

(9) The Accepting Terms of Dual Employment form shall be completed, signed by the employee and supervisor, and placed in the employee's personnel file with a copy sent to the Division of Finance.

(10) Secondary positions may not interfere with the efficient performance of the employee's primary position or create a conflict of interest. An employee in dual employment status shall comply with conditions outlined in R477-9-2(1).

R477-8-11. Reasonable Accommodation.

Reasonable accommodation for qualified individuals with disabilities may be a factor in any employment action. Before notifying an employee of denial of reasonable accommodation, the agency shall consult with the Division of Risk Management.

R477-8-12. Fitness For Duty Evaluations.

Fitness for duty medical evaluations may be performed under any of the following circumstances:

(1) Return to work from injury or illness;

(2) When management determines that there is a direct threat to the health or safety of self or others;

(3) In conjunction with corrective action, performance or conduct issues, or discipline;

(4) When a fitness for duty evaluation is a bona fide occupational qualification for selection, retention, or promotion.

R477-8-13. Temporary Transitional Assignment.

Temporary transitional assignments may be part of any of the following:

(1) Return to work from injury or illness;

(2) When management determines that there is a direct threat to the health or safety of self or others;

(3) In conjunction with corrective action, performance or conduct issues, or discipline;

(4) Where there is a bona fide occupational qualification for retention in a position;

(5) As a temporary measure while an employee is being evaluated to determine if reasonable accommodation is appropriate.

R477-8-14. Change in Work Location.

(1) A change in work location shall not be permitted if this requires the employee to commute or relocate 50 miles or more, one way, beyond his current one way commute, unless:

(a) The policy is communicated to the employee at employment;

(b) The agency shall either pay to move the employee consistent with R25-6-8 and Department of Administrative Services, Division of Finance Policy 05-04.03, or reimburse commuting expenses up to the cost of a move.

KEY: compensatory time, disability insurance, leave, vacations

July 3, 2001 **63-13-2**

Notice of Continuation July 1, 1997 **67-19-6**

67-19-6.7

67-19-12.5

67-19-12-9

R477. Human Resource Management, Administration.
R477-9. Employee Conduct.
R477-9-1. Standards of Conduct.

Employees shall comply with the standards of conduct established in these rules and the policies and rules established by their agency management.

(1) Employees shall apply themselves to and shall fulfill their assigned duties during the full time for which they are compensated.

(a) Employees shall --

(i) Comply with the standards established in their individual performance plans;

(ii) Maintain an acceptable level of performance and conduct on all other verbal and written job expectations;

(iii) Report conditions and circumstances, including controlled substances or alcohol impairment, that may prevent them from performing their job effectively and safely.

(iv) Inform their supervisor of any unclear instructions or procedures.

(2) Employees shall make prudent and frugal use of state funds, equipment, buildings, and supplies.

(3) Employees who report for duty or attempt to perform the duties of their positions while under the influence of alcohol or nonprescribed controlled substances, shall be subject to corrective actions or discipline in accordance with R477-10-2, R477-11 and R477-14.

(a) The agency may decline to defend and indemnify employees found violating this rule, in accordance with 63-30-36 section (c)(ii) of the Utah Governmental Immunity Act.

(4) Employees shall not drive a state vehicle, or any other vehicle, on state time while under the influence of alcohol or controlled substances.

(a) Employees who violate this rule shall be subject to corrective action or discipline pursuant to R477-10-2, R477-11 and R477-14.

(b) The agency may decline to defend or indemnify employees who violate this rule, according to section 63-30-36(3)(c)(i) of the Utah Governmental Immunity Act.

(5) Employees shall not carry firearms in any facility owned or operated by the state, or in any state vehicle, or at any time or any place while on state business.

(a) This rule shall not apply to sworn officers as defined by Section 53-13-103, or employees whose assigned duties require them to use a firearm.

(b) Employees who violate this rule shall be subject to disciplinary action pursuant to R477-11.

R477-9-2. Outside Employment.

(1) State employment shall be the principal vocation for full-time employees governed by these rules. An employee may engage in outside employment under the following conditions:

(a) Outside employment must not interfere with an employees' efficient performance in his state position.

(b) Outside employment must not conflict with the interests of the agency or the State of Utah.

(c) Outside employment must not give reasons for criticism or suspicion of conflicting interests or duties.

(d) Employees shall notify agency management in writing if the outside employment has the potential or appears to conflict with Title 67, Chapter 16 Employee Ethics Act.

(e) Agency management may deny employees permission to engage in outside employment or to receive payment if they determine the outside activity causes a real or potential conflict of interest.

(i) Employees may grieve this decision.

(ii) Failure to notify the employer and to gain approval for outside employment is grounds for disciplinary action if the secondary employment is found to be a conflict of interest.

R477-9-3. Conflict of Interest.

(1) An employee may receive honoraria or paid expenses for activities outside of state employment under the following conditions:

(a) Outside activities must not interfere with our employees' efficient performance in his state position.

(b) Outside activities must not conflict with the interests of the agency or the State of Utah.

(c) Outside activities must not give reasons for criticism or suspicion of conflicting interests or duties.

(2) An employee shall not use his state position or any influence, power, authority or confidential information he receives in that position, or state time, equipment, property, or supplies for private gain.

(3) An employee shall not receive outside compensation for performing state duties, except for the following:

(a) Awards for meritorious public contribution.

(b) Honoraria or expenses paid for papers, speeches, or appearances on an employee's own time with the approval of agency management, which are not compensated by the state or prohibited by rule.

(c) Usual social amenities, ceremonial gifts, or non-substantial advertising gifts.

(4) An employee shall declare a potential conflict of interest when he is required to do or decide something that could be interpreted as a conflict of interest. Agency management shall then excuse the employee from making decisions or taking actions that may cause a conflict of interest.

R477-9-4. Political Activity.

State career service employees may voluntarily participate in political activity according to the provisions in this rule or other federal laws. The following rules apply to career service employees in all salary ranges and positions.

(1) Any state career service employee elected to any partisan or full-time non-partisan political office shall be granted a leave of absence without pay while being monetarily compensated for service in political office. Employees shall not receive annual leave while serving in a political office.

(2) During work time, no career service employee may engage in any political activity. No person shall solicit political contributions from employees of the executive branch during hours of employment. However, state employees may voluntarily contribute to any party or any candidate.

(3) Decisions regarding employment, promotion, demotion or dismissal or any other human resource actions shall not be based on partisan political activity.

(4) Regardless of other provisions in these rules, no member of the Utah State Highway Patrol may use official

authority or influence to interfere with an election or to affect election results. No person may induce or attempt to induce any member of the Utah State Highway Patrol to participate in any prohibited activity.

(5) This rule shall not apply to employees who are restricted or prevented from engaging in political activity through the provisions of the federal Hatch Act. To determine whether an employee shall adhere to the federal Hatch Act, employees may contact DHRM or the employing agency's Human Resource office for guidelines.

(6) Violations of law governing political activity shall be reported in writing to the Executive Director. The Executive Director, DHRM, shall investigate the validity of any allegation and assess the extent to which any activity was knowingly and willfully conducted in violation of law.

R477-9-5. Employee Indebtedness to the State.

(1) Employees indebted to the state because of an action or performance in their official duties may have a portion of their pay that exceeds the minimum federal wage withheld. Overtime pay shall not be withheld.

(a) The following three conditions must be met before withholding of pay may occur:

(i) The debt must be a legitimately owed amount which can be validated through physical documentation or other evidence.

(ii) The employee must know about and, in most cases, acknowledge the debt. As much as possible, the employee should provide written authorization to withhold the pay.

(iii) Employees must be notified of this rule which allows the state to withhold pay.

(b) Employees terminating from state service will have pay withheld from the last paycheck.

(c) Employees going on leave without pay for more than two pay periods may have pay withheld from their last paycheck.

(d) The state may withhold an employee's pay to satisfy the following specific obligations:

(i) Travel advances where travel and reimbursement for the travel has already occurred;

(ii) State credit card obligations where the state's share of the obligation has been reimbursed to the employee but not paid to the credit card company by the employee;

(iii) Evidence that the employee negligently caused loss or damage of state property;

(iv) Payroll advance obligations that are signed by the employee and that the Division of Finance authorizes;

(v) Misappropriation of state assets for unauthorized personal use or for personal financial gain. This includes reparation for employee theft of state property or use of state property for personal financial gain or benefit;

(vi) Overpayment of pay determined by evidence that an employee did not work the hours for which they received pay or was not eligible for the benefits received and paid for by the state.

(e) Excessive reimbursement of funds from flexible reimbursement accounts.

(f) Other obligations that satisfy the requirements of R477-9-4.(1) above.

(2) This rule does not apply to state employee obligations to other state agencies where the obligation was not caused by their actions or performance as an employee.

R477-9-6. Policy Exceptions.

The Executive Director, DHRM, may authorize exceptions to the provisions of this rule, consistent with R477-2-2(1).

KEY: conflict of interest, government ethics, Hatch Act, personnel management
July 5, 2000 67-19-6
Notice of Continuation July 1, 1997

R501. Human Services, Administration, Administrative Services, Licensing.

R501-12. Child Foster Care.

R501-12-1. Authority.

Pursuant to 62A-2-101 et seq., the Office of Licensing, hereinafter referred to as Office, shall license child foster care services according to the following rules. Child foster care services are provided pursuant to 62A-4a-106 for the Division of Child and Family Services, hereinafter referred to as DCFS, and 62A-7-104 for the Division of Youth Corrections, hereinafter referred to as DYC.

R501-12-2. Purpose Statement.

The purpose of these rules is to establish the minimum requirements for licensure of child foster homes and proctor homes for children in the custody of the Department of Human Services, herein after referred to as DHS. Rules applying to child foster care are also applicable to proctor care unless otherwise specified below.

R501-12-3. Definitions.

A. "Child foster care" means the provision of care which is conductive to the physical, social, emotional and mental health of children or adjudicated youth who are temporarily unable to remain in their own homes.

B. "Proctor care" means the provision of foster care for only one youth at a time placed in a licensed foster home. The youth shall be adjudicated to the custody of DYC.

C. "Foster care agency" is any authorized licensed private agency certifying providers for foster care services, hereinafter referred to as Agency.

D. "Child" means anyone under 18 years of age with the exception of DYC proctor care where custody and guardianship may be maintained to 21 years of age.

R501-12-4. Licensing and Renewal.

A. Application: An individual or legally married couple age 21 and over may apply to be foster parents. The applicant shall be provided with an application and a copy of the foster care licensing rules. The application shall require the applicant to list each member of the applicant's household.

B. Medical Information:

1. At the time of application, each potential foster parent shall obtain and submit to the Agency or the Office, a medical reference letter, completed by a licensed health care professional, which assesses the physical ability of the individual to be a foster parent. On an annual basis thereafter, each foster parent shall submit a personal health status statement.

2. A psychological examination of a potential or current foster parent may be required by the Office or the Agency if there are questions regarding the individual's mental stability which may impair functioning as a foster parent. The psychological examination shall be arranged and paid for by the foster parent.

C. References:

The applicant shall submit the names of individuals not related to the applicant who may be contacted by the Agency or the Office for a reference. The named individuals, such as neighbors, school personnel, or clergy, shall be knowledgeable of the ability of the potential foster parents to nurture children. Three acceptable letters of reference must be received by the Agency or the Office before a license will be issued.

D. Background Screening:

1. Pursuant to 62A-2-120, criminal background screening, referred to as CBS, requires that all child foster care applicants or persons 18 years of age or older living in the home must have the criminal background screening successfully completed. This shall be completed on initial home approval and yearly thereafter. In accordance with 62A-2-120, no applicant can be licensed to provide foster care services when the applicant has been convicted of a felony.

2. Pursuant to 62A-2-121, the child abuse data base shall also be screened for each applicant or persons 18 years of age or older living in the home to see if a report of alleged abuse and neglect has been substantiated. This shall be done on initial home approval and yearly thereafter.

a. In accordance with 62A-4a-116(2)(b) the following types of abuse and neglect shall be considered for licensing purposes:

1) physical abuse,

2) sexual abuse,

3) sexual exploitation,

4) abandonment, medical neglect resulting in death, disability, or serious illness, or

5) chronic or severe neglect.

b. In accordance with 62A-2-121, if the name of any individual living in the home appears on the child abuse data base as substantiated, a license may be denied, approved, or renewed based on a comprehensive review of the individual circumstances, conducted by DHS, in accordance with R501-18.

E. Home Study: There shall be a current home study report on record prepared, or reviewed and signed off, by a licensed Social Worker. A home study shall be completed for each potential foster home. The home study shall be updated annually with a home visit.

F. Provider Code of Conduct: Each foster care applicant shall read, abide by, and sign a current copy of the DHS Provider Code of Conduct.

G. Training: Each foster care applicant shall complete the required pre-service training as specified in R501-12-5 prior to receiving a license.

H. Approval or Denial:

1. Following pre-service training and submission of all required documentation, the home study and assessment of an applicant shall be completed.

2. A license shall be issued for applicants who meet Foster Care Licensing Rules. In addition, the applicants shall be responsible to identify and meet any local ordinances applicable to the type of care.

3. The decision to approve or deny the applicant shall be made on the basis of observable facts and the professional judgement of the Agency or the Office regarding the safety and sanitation conditions of the home.

4. No person may be denied a foster care license on the basis of race, color, or national origin of the person, or a child, involved, pursuant to the Social Security Act, Section 471(a)(18)(A).

5. The provider shall be evaluated annually for compliance with rules when renewing a license.

6. Kinship and Specific Home Approval: An applicant may be licensed for placement of one specific child or sibling group. The home study shall be completed and all licensing requirements met. This license is valid for the duration of the specific placement only and must be renewed annually.

7. Licensure approval is not a guarantee that a child will be placed in the home. Additional requirements for adoptive parents and adoptive assessments for children in State custody are included in R512-41(3)(4).

8. Providers shall not be licensed or certified to provide foster care for children in the same home in which they are providing child care, as defined in UCA 26-39-102, or a licensed human service program, as defined in UCA 62A-2-101.

9. The Office Director or designee may grant a variance to a rule if it is in the best interest of the specific child.

10. All providers shall report any major changes as listed in a. through e. in their lives to the Office or Agency within 48 hours. These changes shall be re-evaluated within one month of the change by the Office or Agency. A major change in the lives of the foster parents shall include, but is not limited to the following;

a. death or serious illness among the members of the foster family,

b. separation or divorce,

c. loss of employment,

d. change of residence, or

e. suspected abuse or neglect of any child in the foster home.

R501-12-5. Training.

A. Applicants shall attend training required by the applicable DHS Division or other approved entity and submit verification of completed training to the Office or Agency.

B. At least one spouse shall complete the entire training series in order for the home to be licensed. The other spouse shall attend at least one third of the training.

C. Providers associated with an Agency that is contracted to provide foster care or proctor care services shall meet the training requirements specified by the contract.

R501-12-6. Foster Parent Requirements.

A. Personal characteristics of foster parents shall include the following:

1. Foster parents shall be in good health, able to provide physical and emotional care to the child.

2. Foster parents shall be emotionally stable and responsible persons over 21 years of age. Legally married couples and single individuals, may be foster parents.

3. Foster parents shall have the ability to help the child grow and change in behavior.

4. Foster parents shall not be dependent on the foster care payment for their expenses beyond those associated with foster care, and shall allocate funds as directed by Division policy. Verification of income shall be submitted with the application to the Office or Agency on an annual basis.

5. Division employees shall not be approved as foster parents to care for children in the custody of their respective Divisions. An employee may provide care for children in the custody of a different Division with approval of the Regional Director in accordance with DHS conflict of interest policy.

6. Owners, directors, and members of the governing body for foster care agencies shall not serve as foster parents.

7. Foster parents shall follow Agency rules and work cooperatively with the Agency, State Court, and law enforcement officials.

B. Family Composition shall meet the following:

1. The number, ages, and gender of persons in the home shall be taken into consideration as they may be affected by or have an effect upon the child.

2. Variance requests for the following must address why a variance is in the best interests of the child, and how basic health and safety requirements will be maintained, in accordance with R501-1-8.

a. No more than two children under the age of two, shall reside in a foster home, including natural children.

b. No more than two non-ambulatory children shall be in a foster home including infants under the age of two.

c. No more than four foster children shall be in any one home.

d. No more than six children shall be in a foster home including the foster parent's children under the age of 18.

e. No more than one foster child shall be in any one home designated for proctor care by agencies contracted with DYC.

R501-12-7. Physical Aspects of Home.

A. The foster home shall be located in a vicinity in which school, church, recreation, and other community facilities are reasonably available.

B. The physical facilities of the foster home shall be clean, in good repair, and shall provide for normal comforts in accordance with accepted community standards.

C. The foster home shall be free from health and fire hazards. Each foster home shall have a working smoke detector on each floor and at least one approved fire extinguisher. An approved fire extinguisher shall be inspected annually and be a minimum of 2A:10BC five point, rated multi-purpose, dry chemical fire extinguisher.

D. There shall be sufficient bedroom space to provide for the following:

1. rooms are not shared by children of the opposite sex, except infants under the age of two years,

2. children do not sleep in the parents' room, except infants under the age of two years,

3. each child has his or her own solidly constructed bed adequate to the child's size,

4. a minimum of 80 square feet is provided in a single occupant bedroom and a minimum of 60 square feet per child is provided in a multiple occupant bedroom excluding storage space, and

5. no more than four children are housed in a single bedroom.

E. Sleeping areas shall have a source of natural light and shall be ventilated by mechanical means or equipped with a screened window that opens.

F. Closet and dresser space shall be provided within the bedroom for the children's personal possessions and for a

reasonable degree of privacy.

G. There shall be adequate indoor and outdoor space for recreational activities.

H. Foster homes shall offer sufficiently balanced meals to meet the child's needs.

I. All indoor and outdoor areas shall be maintained to ensure a safe physical environment.

J. Areas determined to be unsafe, including steep grades, cliffs, open pits, swimming pools, high voltage boosters, or high speed roads, shall be fenced off or have natural barriers.

K. Equipment: All furniture and equipment shall be maintained in a clean and safe condition. Furniture and equipment shall be of sufficient quantity, variety, and quality to meet individual needs.

L. Exits: There shall be at least two means of exit on each level of the foster home.

R501-12-8. Safety.

A. Foster families shall conduct and document fire drills at least quarterly.

B. Foster parents shall provide training to children regarding response to fire warnings and other instructions for life safety.

C. The foster home shall have a telephone. Telephone numbers for emergency assistance shall be posted next to the telephone.

D. The foster home shall have an adequately supplied first aid kit.

E. Foster parents who have firearms or ammunition shall assure that they are inaccessible to children at all times. Firearms and ammunition that are stored together shall be kept securely locked in security vaults or locked cases, not in glass fronted display cases. Firearms that are stored in display cases shall be rendered inoperable with trigger locks, bolts removed or other disabling methods. Ammunition for those firearms shall be kept securely locked in a separate location.

F. No firearms shall be allowed in foster homes that contract with DYC.

G. Foster parents who have alcoholic beverages in their home shall assure that the beverages are kept inaccessible to children at all times.

H. There shall be locked storage for hazardous chemicals and materials.

R501-12-9. Emergency Plans.

A. Foster parents shall have a written plan of action for emergencies and disaster to include the following:

1. evacuation with a pre-arranged site for relocation,

2. transportation and relocation of children when necessary,

3. supervision of children after evacuation or relocation, and

4. notification of appropriate authorities.

B. Foster parents shall have a written plan for medical emergencies, including arrangements for medical transportation, treatment and care.

C. Foster parents shall immediately report any serious illness, injury or death of a foster child to the appropriate Division or Agency and the Office.

R501-12-10. Infectious Disease.

Foster parents shall abide by policies and procedures designed to prevent or control infectious and communicable diseases in the home.

R501-12-11. Medication.

A. Foster parents shall administer prescribed medication, according to the written directions of a licensed physician. Medicine shall only be given to the child for whom it was prescribed.

B. Medication shall not be discontinued without the approval of the licensed physician, side effects shall be reported to the licensed physician.

C. Non-prescriptive medications may be administered by foster parents according to manufacturer's instructions.

D. Medications shall not be administered by the foster child.

E. Medication shall not be used for behavior management or restraint unless prescribed by a licensed physician with notification to the Division or Agency worker.

F. There shall be locked storage for medication.

R501-12-12. Transportation.

A. Foster parents shall provide routine transportation. In case of an emergency a means of transportation shall be arranged by the foster parents.

B. Drivers of vehicles shall have a valid Utah Drivers License and follow safety requirements of the State.

C. Transportation shall be provided in an enclosed vehicle which has been safety inspected and equipped with seatbelts and an appropriate restraint for infants and young children.

D. An emergency telephone number shall be in the vehicle used to transport children.

E. Each vehicle shall be equipped with an adequately supplied first aid kit.

R501-12-13. Behavior Management.

A. Foster parents shall provide appropriate supervision at all times.

B. Foster parents shall not use, nor permit the use of corporal punishment, physical or chemical restraint, infliction of bodily harm or discomfort, deprivation of meals, rest or visits with family, humiliating or frightening methods to control the actions of children.

C. The foster parents' methods of discipline shall be constructive. In exercising discipline, the child's age, emotional make-up, intelligence and past experiences shall be considered.

D. Passive restraint shall be used only in behaviorally related situations as a temporary means of physical containment to protect the child, other persons, or property from harm. Passive restraint shall not be associated with punishment in any way.

E. Foster parents shall inform the Division or Agency worker of any extreme or repeated behavioral problems of a child placed in the foster home.

R501-12-14. Child's Rights in Foster Care.

A. The foster parent shall adhere to the following:

1. allow the child to eat meals with the family, and to eat

the same food as the family unless the child has a special prescribed diet,

2. allow the child to participate in family activities,

3. protect privacy of information,

4. not make copies of the child's records,

5. explain the child's responsibilities, including household tasks, privileges, and rules of conduct,

6. not allow discrimination,

7. treat the child with dignity,

8. allow the child to communicate with family, attorney, physician, clergyman, and others, except where documented otherwise,

9. follow visitation rights as provided by DHS or Agency worker,

10. allow the child to send and receive mail providing that security and general health and safety requirements are met, foster parents may only censor or monitor a foster child's mail or phone calls by court order,

11. provide for personal needs and clothing allowance, and

12. respect the child's religious and cultural practices.

R501-12-15. Record Keeping.

A. Foster parents shall maintain the following:

1. current license certificate,

2. copy of each contract with DHS,

3. record of money provided to each foster child,

4. record of expenditures for each foster child, and

5. documentation of special need payments on behalf of the foster child.

B. Foster parents shall maintain the out of home placement information record for each child in their care to include the following:

1. placement information for each child in out of home care,

2. biographical information, including an emergency contact name and telephone number,

3. documentation of the health care record of each child, including the following;

a. immunizations,

b. physical, mental, visual, and dental examinations,

c. emergencies requiring medical treatment, and

d. medication, when applicable, and

4. summary of family visits and contacts, when appropriate, according to the service plan.

C. Foster parents shall ensure that the out of home record accompanies the child or is returned to the Agency upon relocation of the child.

D. The Office staff shall maintain a separate record for each child foster care home or Agency.

KEY: licensing, human services, foster care
October 19, 2001 62A-2-101 et seq.

R590. Insurance, Administration.
R590-145. Accelerated Benefits Rule.
R590-145-1. Purpose.

The purpose of this Rule is to regulate accelerated benefit provisions of individual and group life insurance policies and to provide required standards of disclosure. This Rule shall apply to all accelerated benefits provisions of individual and group life insurance policies, except those subject to the Long-Term Care provisions of Title 31A, issued or delivered in this state, on or after the effective date of this Rule.

R590-145-2. Definitions.

A. "Accelerated benefits" covered under this Rule are benefits payable under a life insurance contract:

(1) To a policyowner or certificateholder, during the lifetime of the insured, in anticipation of death or upon the occurrence of specified life threatening or catastrophic conditions as defined by the policy or rider; and

(2) Which reduce the death benefit otherwise payable under the life insurance contract; and

(3) Which are payable upon the occurrence of a qualifying event which results in the payment of a benefit amount fixed at the time of acceleration.

B. "Qualifying event" shall mean one or more of the following:

(1) A medical condition which would result in a drastically limited life span as specified in the contract, for example, 24 months or less; or

(2) A medical condition which has required or requires extraordinary medical intervention, such as, but not limited to, major organ transplant or continuous artificial life support, without which the insured would die; or

(3) Any condition which usually requires continuous confinement in an eligible institution as defined in the contract if the insured is expected to remain there for the rest of his or her life; or

(4) A medical condition which would, in the absence of extensive or extraordinary medical treatment, result in a drastically limited life span. Such conditions may include, BUT ARE NOT LIMITED TO, one or more of the following:

(a) Coronary artery disease resulting in an acute infarction or requiring surgery;

(b) Permanent neurological deficit resulting from cerebral vascular accident;

(c) End stage renal failure;

(d) Acquired Immune Deficiency Syndrome; or

(e) Other medical conditions which the commissioner shall approve for any particular filing; or

(5) Other qualifying events which the commissioner shall approve for any particular filing.

R590-145-3. Type of Product.

Accelerated benefit riders and life insurance policies with accelerated benefit provisions are primarily mortality risks rather than morbidity risks. They are life insurance benefits subject to 31A-22-400 et seq. and 31A-22-501 et seq.

R590-145-4. Assignee/Beneficiary.

Prior to the payment of the accelerated benefit, the insurer is required to obtain from any assignee or irrevocable beneficiary a signed acknowledgment of concurrence for pay out. If the insurer making the accelerated benefit is itself the assignee under the policy, no such acknowledgment is required.

R590-145-5. Criteria for Payment.

A. Lump Sum Settlement Option Required.

Contract payment options shall include the option to take the benefit as a lump sum. The benefit shall not be made available as an annuity contingent upon the life of the insured.

B. Restrictions on Use of Proceeds.

No restrictions are permitted on the use of the proceeds.

C. Accidental Death Benefit Provision

If any death benefit remains after payment of an accelerated benefit, the accidental death benefit provision, if any, in the policy or rider shall not be affected by the payment of the accelerated benefit.

R590-145-6. Disclosures.

A. Descriptive Title.

The terminology "accelerated benefit" shall be included in the descriptive title. Products regulated under this Rule shall not be described or marketed as long-term care insurance or as providing long-term care benefits.

B. Solicitations.

(1) A written disclosure including, but not necessarily limited to, a brief description of the accelerated benefit and definitions of the conditions or occurrences triggering payment of the benefits shall be given to the applicant. The description shall include an explanation of any effect of the payment of a benefit on the policy's cash value, accumulation account, death benefit, premium, policy loans and policy liens.

(a) In the case of agent solicited insurance, the agent shall provide the disclosure form to the applicant when the policy is delivered or prior to delivery of the policy if so requested.

(b) In the case of a solicitation by direct response methods, the insurer shall provide the disclosure form to the applicant at the time the policy is delivered, with a notice that a full premium refund shall be received if the policy is returned to the company within the free examination period.

(c) In the case of group insurance policies, the disclosure form shall be contained as part of the certificate of coverage or any related document furnished by the insurer for the certificateholder.

(2) If there is a premium or cost of insurance charge for the accelerated benefit, the insurer shall give the applicant a generic illustration numerically demonstrating any effect of the payment of a benefit on the policy's cash value, accumulation account, death benefit, premium, policy loans and policy liens.

(a) In the case of agent solicited insurance, the agent shall provide the illustration to the applicant when the policy is delivered or prior to delivery of the policy if so requested.

(b) In the case of a solicitation by direct response methods, the insurer shall provide the illustration to the applicant at the time the policy is delivered.

(c) In the case of group insurance policies, the disclosure form shall be contained as part of the certificate of coverage or any related document furnished by the insurer for the certificateholder.

C. Disclosure of Benefit Costs.

(1) Insurers with cost options as described in Section 10 A(1) of this Rule shall disclose to the policyowner any premium or cost of insurance charge for the accelerated benefit. These insurers shall make a reasonable effort to assure that the certificateholder is aware of any additional premium or cost of insurance charge if the certificateholder is required to pay such charge.

(2) Insurers with cost options as described in Section 10 A(2) of this Rule shall disclose to the policyowner a description of the basis of the calculation to be used in determining the cost of the accelerated benefit. Included in the disclosure shall be the administrative expense charge, if any, and the interest rate, if any, or the interest rate methodology. The insurer shall make a reasonable effort to assure that the certificateholder is aware of any additional charge if the certificateholder is required to pay such charge.

(3) Insurers with cost options as described in Section 10 A(3) of this Rule shall disclose the interest rate, if any, or interest rate methodology and the administrative expense charge, if any, to the policyowner. The insurer shall make a reasonable effort to assure that the certificateholder is aware of any additional charge if the certificateholder is required to pay such charge.

(4) Insurers shall furnish an actuarial memorandum demonstrating to the state insurance department when filing the product disclosing the method of arriving at their cost for the accelerated benefit.

(5) No charges may be made in connection with accelerated benefits other than as authorized in this Rule. An insurer may charge an administrative expense charge for expenses incurred for obtaining medical records and reports to determine eligibility for accelerated benefits and may charge a fee for expenses incurred for evaluating and processing the accelerated benefit claim. The insurer shall disclose the administrative expense charge, if any, and fee, if any, in the policy or rider and in the actuarial memorandum. The insurer shall make a reasonable effort to assure that the certificateholder is aware of any administrative expense charge or fee if the certificateholder is required to pay such charge.

D. Effect of the Benefit Payment.

When a policyowner or certificateholder requests an acceleration, the insurer shall send a statement to the policyowner or certificateholder and irrevocable beneficiary showing any effect that the payment of the accelerated benefit will have on the policy's cash value, accumulation account, death benefit, premium, policy loans and policy liens. The statement shall disclose that receipt of accelerated benefit payments may adversely affect the recipient's eligibility for Medicaid or other government benefits or entitlements. In addition, receipt of an accelerated benefit payment may be taxable and assistance should be sought from a personal tax advisor. When a previous disclosure statement becomes invalid as a result of an acceleration of the death benefit, the insurer shall send a revised disclosure statement to the policyowner or certificateholder and irrevocable beneficiary. When the cost option is as described in Section 10A(3) of this Rule, the insurer shall provide periodic statements at least annually to the policyholder or certificateholder as to the effects on policy values and benefits. When the insurer agrees to accelerate death benefits, the insurer shall issue an amended schedule page to the policyholder or notify the certificateholder under a group policy to reflect any new, reduced in-force face amount of the contract.

R590-145-7. Effective Date of the Accelerated Benefits.

The accelerated benefit provision shall be effective for accidents on the effective date of the policy or rider. The accelerated benefit provision shall be effective for illness no more than 30 days following the effective date of the policy or rider.

R590-145-8. Waiver of Premiums.

The insurer may offer a waiver of premium for the accelerated benefit provision in the absence of a regular waiver of premium provision being in effect. At the time the benefit is claimed, the insurer shall explain any continuing premium requirement to keep the policy in force.

R590-145-9. Discrimination.

Insurers shall not unfairly discriminate among insureds with differing qualifying events covered under the policy or among insureds with similar qualifying events covered under the policy. Insurers shall not apply further conditions on the payment of the accelerated benefits other than those conditions specified in the policy or rider.

R590-145-10. Actuarial Standards.

A. Methods of Determining Accelerated Benefits Costs

An insurer may use one of the following methods in determining accelerated benefits costs.

(1) The insurer may require a premium charge or cost of insurance charge for the accelerated benefit. These charges shall be based on sound actuarial principles. In the case of group insurance, the additional cost may also be reflected in the experience rating.

(2) The insurer may pay a present value of the face amount. The calculation shall be based on any applicable actuarial discount appropriate to the policy design which may include a reasonable administrative expense charge. The interest rate or interest rate methodology used in the calculation shall be based on sound actuarial principles and disclosed in the contract or actuarial memorandum. The maximum interest rate used shall be no greater than the greater of:

(a) The current yield on 90 day treasury bills; or

(b) The current maximum statutory adjustable policy loan interest rate.

(3) The insurer may accrue a lien interest charge on the amount of the accelerated benefits. The interest rate or interest rate methodology used in the calculation shall be disclosed in the accelerated benefit contract or actuarial memorandum. The maximum interest rate used shall be no greater than the greater of:

(a) The current yield on 90 day treasury bills; or

(b) the current maximum statutory adjustable policy loan interest rate. The interest rate accrued on the portion of the lien which is equal in amount to the cash value of the contract at the time of the benefit acceleration shall be no more than the policy loan interest rate stated in the contract.

B. Effect on Cash Value.

(1) Except as provided in Section 10 B(2), when an accelerated benefit is payable, there shall be no more than a pro rata reduction in the cash value based on the percentage of death benefits accelerated to produce the accelerated benefit payment.

(2) Alternatively, the payment of accelerated benefits, any actual expense charges, any future premiums and any accrued interest can be considered a lien against the death benefit of the policy or rider and the access to the cash value may be restricted to any excess of the cash value over the sum of any other outstanding loans and the lien. Future access to additional policy loans must be limited to any excess of the cash value, which includes accrued dividends over the sum of the lien and any other outstanding policy loans.

C. Effect of Any Outstanding Policy Loans on Accelerated Death Benefit Payment.

When payment of an accelerated benefit results in a pro rata reduction in the cash value, the payment may not be applied toward repaying an amount greater than a pro rata portion of any outstanding policy loans.

R590-145-11. Actuarial Disclosure and Reserves.

A. Actuarial Memorandum

A qualified actuary should describe the accelerated benefits, the risks, the expected costs and the calculation of statutory reserves in an actuarial memorandum accompanying each state filing. The insurer shall maintain in its files descriptions of the bases and procedures used to calculate benefits payable under these provisions. These descriptions shall be made available for examination by the commissioner upon request.

B. Reserves

(1) When benefits are provided through the acceleration of benefits under group or individual life policies or riders to such policies, policy reserves shall be determined in accordance with the Standard Valuation Law. All valuation assumptions used in constructing the reserves shall be determined as appropriate for statutory valuation purposes by a Member in good standing of the American Academy of Actuaries. Mortality tables and interest currently recognized for life insurance reserves by the NAIC may be used as well as appropriate assumptions for the other provisions incorporated in the policy form. The actuary must follow both actuarial standards and certification for good and sufficient reserves. Reserves in the aggregate should be sufficient to cover:

(a) Policies upon which no claim has yet arisen.

(b) Policies upon which an accelerated claim has arisen.

(2) For policies and certificates which provide actuarially equivalent benefits, no additional reserves need to be established.

(3) Policy liens and policy loans, including accrued interest, represent assets of the company for statutory reporting purposes. For any policy on which the policy lien exceeds the policy's statutory reserve liability such excess must be held as a non-admitted asset.

KEY: insurance companies
1991 31A-2-201
Notice of Continuation October 25, 2001

R590. Insurance, Administration.
R590-210. Privacy of Consumer Information Exemption for Manufacturer Warranties and Service Contracts.

October 12, 2001

31A-2-201
31A-2-202
31A-23-317
15 U.S.C. 6801-6807

R590-210-1. Authority.

This rule is promulgated pursuant to Subsections 31A-2-202(1), 31A-2-201(2) and 31A-2-201(3)(a) in which the commissioner is empowered to administer and enforce Title 31A, to perform duties imposed by Title 31A and to make administrative rules to implement the provisions of Title 31A. Furthermore, Title V, Section 505 (15 United States Code (U.S.C.) 6805)) empowers the Utah Insurance Commissioner to enforce Subtitle A of Title V of the Gramm-Leach-Bliley Act of 1999 (15 U.S.C. 6801 through 6820). The commissioner is also authorized under Subsection 31A-23-317(3) to adopt rules implementing the requirements of Title V, Sections 501 to 505 of the federal act (15 U.S.C 6801 through 6807).

R590-210-2. Purpose.

The purpose of this rule is to exempt any person that is licensed or registered by the department that sells or provides the following from the requirements of the department's rule, R590-206:

(1) manufacturer warranties;

(2) manufacturer service contracts paid for with consideration that is in addition to the consideration paid for the product; and

(3) service contracts paid for with consideration in addition to the consideration paid for the product and the service contract is for the repair or maintenance of goods, including motor vehicles.

R590-210-3. Applicability and Scope.

This rule applies only to persons licensed or registered by the department that sell or provide manufacturer warranties, manufacturer service contracts paid for with consideration that is in addition to the consideration paid for the product, and service contracts paid for with consideration in addition to the consideration paid for the product and the service contract is for the repair or maintenance of goods, including motor vehicles.

R590-210-4. Enforcement.

Persons licensed or registered by the department that sell or provide manufacturer warranties, manufacturer service contracts paid for with consideration that is in addition to the consideration paid for the product, and service contracts paid for with consideration in addition to the consideration paid for the product and the service contract is for the repair or maintenance of goods, including motor vehicles are hereby exempted from the requirements of the department's rule, R590-206.

R590-210-5. Severability.

If any provision or clause of this rule or its application to any person or situation is held invalid, such validity shall not affect any other provision or application of this rule which can be given effect without the invalid provision or application, and to this end the provisions of this rule are declared to be severable.

KEY: insurance law privacy

R612. Labor Commission, Industrial Accidents.
R612-1. Workers' Compensation Rules - Procedures.
R612-1-1. Definitions.

A. "Commission" means the Labor Commission.

B. "Division" means the Division of Industrial Accidents within the Labor Commission.

C. "Applicant/Plaintiff" means an injured employee or his/her dependent(s) or any person seeking relief or claiming benefits under the Workers' Compensation and/or Occupational Disease and Disability Laws.

D. "Defendant" means an employer, insurance carrier, self-insurer, the Employers' Reinsurance Fund, and/or the Uninsured Employers' Fund.

E. "Administrative Law Judge" means a person duly designated by the Commission to hear and determine disputed or other cases under the provisions of Title 34A, Chapters 2 and 3, and of Title 63, Chapter 46b.

F. "Insurance Carrier" includes all insurance companies writing workers' compensation and occupational disease and disability insurance, the Workers' Compensation Fund, and self-insurers who are granted self-insuring privileges by the Commission. In all cases involving no insurance coverage by the employer, the term "Insurance Carrier" includes the employer.

G. "Medical Panel" means a panel appointed by an Administrative Law Judge pursuant to the standards set forth in Section 34A-2-601, which is responsible to make findings regarding disputed medical aspects of a compensation claim, and may make any additional findings, perform any tests, or make any inquiry as the Administrative Law Judge may require.

H. "Award" means the finding or decision of the Commission or Administrative Law Judge as to the amount of compensation or benefits due any injured employee or the dependent(s) of a deceased employee.

R612-1-2. Authority.

This rule is enacted under the authority of Section 34A-1-104.

R612-1-3. Official Forms.

A. "Employer's First Report of Injury - Form 122" - This form is used for reporting accidents, injuries, or occupational diseases as per Section 34A-2-407. This form must be filed within seven days of the occurrence of the alleged industrial accident or the employer's first knowledge or notification of the same. This form also serves as OSHA Form 101.

B. "Physician's Initial Report of Work Injury or Occupational Disease - Form 123" - This form is used by physicians and chiropractors to report their initial treatment of an injured employee.

C. "Restorative Services Authorization - Form 221" - This form is to be used by any medical provider billing under the restorative services section of the Commission's adopted Resource-Based Relative Value Scale and the Medical Fee Guidelines. The medical provider shall file this form with the insurance carrier or self-insured employer and the division within ten days of the initial evaluation. After the initial filing, an updated Restorative Services Authorization form must be filed for approval or denial at least every six visits until a fixed state of recovery has been reached.

D. "Statement of Insurance Carrier or Self-Insurer with Respect to Payment of Benefits - Form 141" - This form is used for reporting the initial benefits paid to an injured employee. This form must be filed with or mailed to the division on the same date the first payment of compensation is mailed to the employee. A copy of this form must accompany the first payment.

E. "Employee Notification of Denial of Claim - Form 089" - This form is used by insurance carriers or self-insured employers to notify the claimant that his or her claim, in whole or part, is denied and the reason(s) why the claim is being denied. An insurance carrier or self-insured employer shall complete its investigation within 45 days of receipt of the claim and shall commence the payment of benefits or notify the claimant and the division in writing that the claim, in whole or part, is denied.

F. "Insurance Carriers/ Self-Insurer's Notice of Further Investigation of a Workers' Compensation Claim - Form 441" - This form is used by insurance carriers or self-insured employers to notify the claimant and the commission that further investigation is needed and the reasons for further investigation. This form or letter containing similar information is to be filed within 21 days of notification of claim that further investigation is needed.

G. "Statement of Insurance Carrier or Self-Insurer with Respect to Suspension of Benefits - Form 142" - This form is to be used by insurance carriers or self-insured employers to notify an employee of the suspension of weekly compensation benefits. The form must be mailed to the employee and filed with the division five days before the date compensation is suspended. The insurance carrier or self-insured employer must specify the reason for the suspension of beneftis.

H. "Application for Hearing - Form 001" - Used by an applicant for instituting an industrial claim against an insurance carrier, self-insured employer, or uninsured employer. This form, obtainable from the division, must be filed and signed by the injured employee or his/her agent. All blanks must be completed to the best knowledge, belief, or information of the injured employee.

I. "Claim for Dependents' Benefits and/or Burial Benefits - Form 025" - This form is used by the dependent(s) of a deceased employee to seek benefits as a result of a fatal accident or occupational disease occurring in the course of employment.

1. This form must be filed before a hearing or an award is made, and pleadings will not be accepted in lieu thereof. If pleadings are submitted, the attorney so filing will be supplied the form for filing before any proceedings are initiated.

2. The filing of this form by the surviving spouse on behalf of the surviving spouse and the surviving spouse's dependent minor children is sufficient for all dependents.

3. Unless otherwise directed by an Administrative Law Judge, the following information shall be supplied before an Order or an Award is made:

(a) A certified copy of the marriage license and birth certificates of dependent minor children. If such evidence is not readily available, the Administrative Law Judge will determine the adequacy of substitute evidence.

(b) Adoption papers or other decrees of courts of record

establishing legal responsibility for support of dependent children.

(c) If either the deceased employee or surviving spouse has been involved in divorce proceedings, copies of decrees and orders of the court should be supplied.

J. "Insurance Company's and Self-Insurer's Final Report of Injury and Statement of Total Losses - Form 130" - This form is used by insurance carriers and self-insurers to report the total losses occurring in a claim for any benefits. This form must be filed with the division as soon as final settlement is made but in no event more than 30 days from such settlement. This form shall be filed for all losses including medical only, compensation, survivor benefits, or any combination of all so as to provide complete loss information for each claim.

K. "Dependents' Benefit Order - Form 151" - This form is used by the division in all accidental death cases where no issue of liability for the death or establishment of dependency is raised and only one household of dependents is involved. The carrier indicates acceptance of liability by completing the top half of the form and filing it with the division.

L. "Medical Information Authorization - Form 046" - This form is used to release the applicant's medical records to the Commission or the chairman of a medical panel appointed by an Administrative Law Judge.

M. "Application to Change Doctors - Form 102" - This form must be used by the employee pursuant to the provisions of Rule R612-2-9 as contained herein.

N. "Employee's Notification of Intent to Leave Locality or State, and to Change Doctor or Hospital - Form 044" - As per Section 34A-2-604, this form is used by the employee and must be accompanied by the "Attending Physician's Statement - Form 043" before Commission approval can be granted. Otherwise, compensation may not be allowed.

O. "Attending Physician's Statement - Form 043" - This form must be completed by employee and his last attending physician in the state to establish the medical condition of the employee. It must be accompanied by Form 044.

P. "Compensation Agreement - Form 219" - This form is used by the parties to a workers' compensation claim to enter into an agreement as to a permanent partial impairment award, and must be submitted to the Division of Adjudication for approval.

Q. "Application for Lump Sum or Advance Payment - Form 134" - This form is used by an employee to apply for a lump sum or advance payment for a permanent partial impairment award.

R. "Release to Return to Work - Form 110" - This form may be used to meet the requirements of Rule R612-2-3(D), as contained herein.

S. "Request for Copies From Claimant's File - Form 205" - This form is used to request copies from a claimant's file in the Commission with the appropriate authorized release.

T. Reemployment Program Forms

1. "Initial Assessment Report - Form 206" - This form is completed either by the self-insured employer, the workers' compensation insurance provider, or by a rehabilitation agency contracted by the employer/carrier. The report contains claimant demographics and insurance coverage details, and addresses the issue of need for vocational assistance.

2. "Request for Decision of Administrative Review - Form 207" - This form is completed when the employee wishes to contest the information/decision made by the carrier or rehabilitation agency.

3. "U.S.O.R. Rehabilitation Progress Report - Form 208A" - This form shall be requested from the Utah State Office of Rehabilitation at each stage of the reemployment process (eligibility determination, reemployment plan development/implementation and case closure) or at any interruption of the process. An Individualized Written Rehabilitation Program (USOR 5 IWRP) shall also be requested when a plan is developed. All other private rehabilitation providers shall submit a Form 206 for any plan progress, postponement, or interruption in the plan.

4. "Reemployment Plan - Form 209" - This form is used for either an original or amended work plan. The form contains the details and estimated costs in returning the injured worker to the work force.

5. "Reemployment Plan Closure Report - Form 210" - This form is submitted to the division upon completion of the reemployment plan. The closure report shall detail costs by category either by dollar amounts or time expended (only in the categories of evaluation and counseling). The report shall also contain all the details on the return to work.

6. "Application for Certification as a Reemployment Provider - Form 212" - This form is completed by rehabilitation providers who wish to be certified by the division. It contains provider demographics, Utah staff credentials, services/fees, and references.

7. "Administrative Review Determination - Form 213" - This form is used by the division to summarize the outcome of the administrative review.

U. "Medical Records - Copies - Form 302" - This form is used by a claimant to request a free copy of his/her medical records from a medical provider. This form must be signed by a staff member of the division.

V. The division may approve change of any of the above forms upon public notice. Carriers may print these forms or approved versions.

R612-1-4. Discount.

Eight percent shall be used for any discounting or present value calculations. Lump sums ordered by the Commission or for any attorney fees paid in a single up-front amount, or of any other sum being paid earlier than normally paid under a weekly benefit method shall be subject to the 8% discounting. The Commission shall create and make available a precise discount or present value table based on a 365 day year. For those instances where discount calculations are not routinely utilized or where the Commission's precise table is not available, the following table, which is a shortened version of the precise table, may be utilized by interpolating between the stated weeks and the related discount.

TABLE

Unaccrued Weeks	X	Weekly Benefit $	X	Cumulative Discount	=	Discount $
1				.001475		
10				.008076		

20	.015343
30	.022538
40	.029663
50	.036719
60	.043706
70	.050626
80	.057478
90	.064264
100	.070984
110	.077639
120	.084229
130	.090756
140	.097221
150	.103623
160	.109963
170	.116243
180	.122463
190	.128623
200	.134724
210	.140767
220	.146752
230	.152680
240	.158552
250	.164368
260	.170129
270	.175835
280	.181488
290	.187087
300	.192633
312	.199219

R612-1-5. Interest.

A. Interest must be paid on each benefit payment which comprises the award from the date that payment would have been due and payable at the rate of 8% per annum.

B. For the purpose of interest calculation, benefits shall become "due and payable" as follows:

1. Temporary total compensation shall be due and payable within 21 days of the date of the accident.

2. Permanent partial compensation shall be due and payable on the next day following the termination of a temporary total disability. However, where the condition is not fixed for rating purposes, the interest shall commence from the date the permanent partial impairment can be medically determined.

3. Permanent partial or permanent total disability compensation payable by the Employers' Reinsurance Fund or the Uninsured Employers' Fund shall be due and payable as soon as reasonably practical after an order is issued.

R612-1-6. Issuance of Checks.

A. Any entity issuing compensation checks or drafts must make those checks/drafts payable directly to the injured worker and must mail them directly to the last known mailing address of the injured worker, with the following exceptions:

1. If the employer provides full salary to the injured worker in return for the worker's compensation benefits, the check may be mailed to the worker at the place of employment;

2. If the employer coordinates other benefits with the worker's compensation benefits, the check may be mailed to the worker at the place of employment.

B. In no case may the check be made out to the employer.

C. Where attorney fees are involved, a separate check should be issued to the worker's attorney in the amount approved or ordered by the Commission, unless otherwise directed by the Commission. Payment of the worker's attorney by issuing a check payable to the worker and his attorney jointly constitutes a violation of this rule.

R612-1-7. Acceptance/Denial of a Claim.

A. Upon receiving a claim for workers' compensation benefits, the insurance carrier or self-insured employer shall promptly investigate the claim and begin payment of compensation within 21 days from the date of notification of a valid claim or the insurance carrier or self-insured employer shall send the claimant and the division written notice on a division form or letter containing similar information, within 21 days of notification, that further investigation is needed stating the reason(s) for further investigation. Each insurance carrier or self-insured employer shall complete its investigation within 45 days of receipt of the claim and shall commence the payment of benefits or notify the claimant and division in writing that the claim is denied and the reason(s) why the claim is being denied.

B. The payment of compensation shall be considered overdue if not paid within 21 days of a valid claim or within the 45 days of investigation unless denied.

C. Failure to make payment or to deny a claim within the 45 day time period without good cause shall result in a referral of the insurance company to the Insurance Department for appropriate disciplinary action and may be cause for revocation of the self-insurance certification for a self-insured employer. Good cause is defined as:

1. Failure by an employee claiming benefits to sign requested medical releases;

2. Injury or occupational disease did not occur within the scope of employment;

3. Medical information does not support the claim;

4. Claim was not filed within the statute of limitations;

5. Claimant is not an employee of the employer he/she is making a claim against;

6. Claimant has failed to cooperate in the investigation of the claim;

7. A pre-existing condition is the sole cause of the medical problem and not the claimed work-related injury or occupational disease;

8. Tested positive for drugs or alcohol; or

9. Other - a very specific reason must be given.

D. If an insurance carrier or self-insured employer begins payment of benefits on an investigation basis so as to process the claim in a timely fashion, a later denial of benefits based on newly discovered information may be allowed.

R612-1-8. Insurance Carrier/Employer Liability.

A. This rule governs responsibility for payment of workers' compensation benefits for industrial accidents when:

1. The worker's ultimate entitlement to benefits is not in dispute; but

2. There is a dispute between self-insured employers and/or insurers regarding their respective liability for the injured worker's benefits arising out of separate industrial accidents which are compensable under Utah law.

B. In cases meeting the criteria of subsection A, the self-insured employer or insurer providing workers' compensation coverage for the most recent compensable injury shall advance workers' compensation benefits to the injured worker. The benefits advanced shall be limited to medical benefits and temporary total disability compensation. The benefits advanced shall be paid according to the entitlement in effect on the date

of the earliest related injury.

1. The self-insured employer or insurance carrier advancing benefits shall notify the non-advancing party(s) within the time periods as specified in rule R612-1-7, that benefits are to be advanced pursuant to this rule.

2. The self-insured employers or insurers not advancing benefits, upon notification from the advancing party, shall notify the advancing party within 10 working days of any potential defenses or limitations of the non-advancing party(s) liability.

C. The parties are encouraged to settle liabilities pursuant to this rule, however, any party may file a request for agency action with the Commission for determination of liability for the workers' compensation benefits at issue.

D. The medical utilization decisions of the self-insured employer or insurer advancing benefits pursuant to this rule shall be presumed reasonable with respect to the issue of reimbursement.

R612-1-9. Compensation Agreements.

A. An applicant, insurance company, and/or employer may enter into a compensation agreement for the purpose of resolving a worker's compensation claim. Compensation agreements must be approved by the Commission. The compensation agreement must be that contained on Form 019 of the Commission forms and shall include the following information:

1. Signatures of the parties involved;
2. Form 122 - Employer's First Report of Injury;
3. Form 123 - Physician's Initial Report;
4. Doctor's report of impairment rating;
5. Form 141 - Payment of Benefits Statement.

B. Failure to provide any of the above documentation and forms may result in the return of the compensation agreement to the carrier or self-insured employer without approval.

R612-1-10. Permanent Total Disability.

A. This rule applies to claims for permanent total disability compensation under the Utah Workers' Compensation Act.

1. Subsection B applies to permanent total disability claims arising from accident or disease prior to May 1, 1995.

2. Subsection C applies to permanent total disability claims arising from accident or disease on or after May 1, 1995.

B. For claims arising from accident or disease on or after July 1, 1988 and prior to May 1, 1995, the Commission is required under Section 34A-2-413, to make a finding of total disability as measured by the substance of the sequential decision-making process of the Social Security Administration under Title 20 of the Code of Federal Regulations, amended April 1, 1993. The use of the term "substance of the sequential decision-making process" is deemed to confer some latitude on the Commission in exercising a degree of discretion in making its findings relative to permanent total disability. The Commission does not interpret the code section to eliminate the requirement that a finding by the Commission in permanent and total disability shall in all cases be tentative and not final until rehabilitation training and/or evaluation has been accomplished.

1. In the event that the Social Security Administration or its designee has made, or is in the process of making, a determination of disability under the foregoing process, the Commission may use this information in lieu of instituting the process on its own behalf.

2. In evaluating industrial claims in which the injured worker has qualified for Social Security disability benefits, the Commission will determine if a significant cause of the disability is the claimant's industrial accident or some other unrelated cause or causes.

3. To make a tentative finding of permanent total disability the Commission incorporates the rules of disability determination in 20 CFR 404.1520, amended April 1, 1993. The sequential decision making process referred to requires a series of questions and evaluations to be made in sequence. In short, these are:

a. Is the claimant engaged in a substantial gainful activity?

b. Does the claimant have a medically severe impairment?

c. Does the severe impairment meet or equal the duration requirement in 20 CFR 404.1509, amended April 1, 1993, and the listed impairments in 20 CFR Subpart P Appendix 1, amended April 1, 1993?

d. Does the impairment prevent the claimant from doing past relevant work?

e. Does the impairment prevent the claimant from doing any other work?

4. After the Commission has made a tentative finding of permanent total disability:

a. In those cases arising after July 1,1994, the Commission shall order initiation of payment of permanent total disability compensation;

b. the Commission shall review a summary of reemployment activities undertaken pursuant to the Utah Injured Worker Reemployment Act, as well as any qualified reemployment plan submitted by the employer or its insurance carrier; and

c. unless otherwise stipulated, the Commission shall hold a hearing to consider the possibility of rehabilitation and reemployment of the claimant pending final adjudication of the claim.

5. After a hearing, or waiver of the hearing by the parties, the Commission shall issue an order finding or denying permanent total disability based upon the preponderance of the evidence and with due consideration of the vocational factors in combination with the residual functional capacity which the commission incorporates as published in 20 CFR 404 Subpart P Appendix 2, amended April 1, 1993.

C. For permanent total disability claims arising on or after May 1, 1995, Section 34A-2-413 requires a two-step adjudicative process. First, the Commission must make a preliminary determination whether the applicant is permanently and totally disabled. If so, the Commission will proceed to the second step, in which the Commission will determine whether the applicant can be reemployed or rehabilitated.

1. First Step– Preliminary Determination of Permanent Total Disability: On receipt of an application for permanent total disability compensation, the Adjudication Division will assign an Administrative Law Judge to conduct evidentiary proceedings to determine whether the applicant's circumstances meet each of the elements set forth in Subsections 34A-2-413(1)(b) and (c).

(a) If the ALJ finds the applicant meets each of the

elements set forth in Subsections 34A-2-413(1)(b) and (c), the ALJ will issue a preliminary determination of permanent total disability and shall order the employer or insurance carrier to pay permanent total disability compensation to the applicant pending completion of the second step of the adjudication process. The payment of permanent total disability compensation pursuant to a preliminary determination shall commence as of the date established by the preliminary determination and shall continue until otherwise ordered.

(b) A party dissatisfied with the ALJ's preliminary determination may obtain additional agency review by either the Labor Commissioner or Appeals Board pursuant to Subsection 34A-2-801(3). If a timely motion for review of the ALJ's preliminary determination is filed with either the Labor Commissioner or Appeals Board, no further adjudicative or enforcement proceedings shall take place pending the decision of the Commissioner or Board.

(c) A preliminary determination of permanent total disability by the Labor Commissioner or Appeals Board is a final agency action for purposes of appellate judicial review.

(d) Unless otherwise stayed by the Labor Commissioner, the Appeals Board or an appellate court, an appeal of the Labor Commissioner or Appeals Board's preliminary determination of permanent total disability shall not delay the commencement of "second step" proceedings discussed below or payment of permanent total disability compensation as ordered by the preliminary determination.

(e) The Commissioner or Appeals Board shall grant a request for stay if the requesting party has filed a petition for judicial review and the Commissioner or Appeals Board determine that:

(i) the requesting party has a substantial possibility of prevailing on the merits;

(ii) the requesting party will suffer irreparable injury unless a stay is granted; and

(iii) the stay will not result in irreparable injury to other parties to the proceeding.

2. Second Step–Reemployment and Rehabilitation: Pursuant to Subsection 34A-2-413(6), if the first step of the adjudicatory process results in a preliminary finding of permanent total disability, an additional inquiry must be made into the applicant's ability to be reemployed or rehabilitated, unless the parties waive such additional proceedings.

(a) The ALJ will hold a hearing to consider whether the applicant can be reemployed or rehabilitated.

(i) As part of the hearing, the ALJ will review a summary of reemployment activities undertaken pursuant to the Utah Injured Worker Reemployment Act;

(ii) The employer or insurance carrier may submit a reemployment plan meeting the requirements set forth in Subsection 34A-2-413(6)(a)(ii) and Subsections 34A-2-413(6)(d)(i) through (iii).

(b) Pursuant to Subsection 34A-2-413(4)(b) the employer or insurance carrier may not be required to pay disability compensation for any combination of disabilities of any kind in excess of the amount of compensation payable over the initial 312 weeks at the applicable permanent total disability compensation rate.

(i) Any overpayment of disability compensation may be recouped by the employer or insurance carrier by reasonably offsetting the overpayment against future liability paid before or after the initial 312 weeks.

(ii) An advance of disability compensation to provide for the employee's subsistence during the rehabilitation process is subject to the provisions of Subsection 34A-2-413(4)(b), described in subsection 2.(b) above, but can be funded by reasonably offsetting the advance of disability compensation against future liability normally paid after the initial 312 weeks.

(iii) To fund an advance of disability compensation to provide for an employee's subsistence during the rehabilitation process, a portion of the stream of future weekly disability compensation payments may be discounted from the future to the present to accommodate payment. Should this be necessary, the employer or insurance carrier shall be allowed to reasonably offset the amounts paid against future liability payable after the initial 312 weeks. In this process, care should be exercised to reasonably minimize adverse financial impact on the employee.

(iv) In the event the parties cannot agree as to the reasonableness of any proposed offset, the matter may be submitted to an ALJ for determination.

(c) Subsections 34A-2-413(7) and (9) require the applicant to fully cooperate in any evaluation or reemployment plan. Failure to do so shall result in dismissal of the applicant's claim or reduction or elimination of benefit payments including disability compensation and subsistence allowance amounts, consistent with the provisions of Section 34A-2-413(7) and (9).

(d) Subsection 34A-2-413(6) requires the employer or its insurance carrier to diligently pursue any proffered reemployment plan. Failure to do so shall result in a final award of permanent total disability compensation to the applicant.

(e) If, after the conclusion of the foregoing "second step" proceeding, the ALJ concludes that successful rehabilitation is not possible, the ALJ shall enter a final order for continuing payment of permanent total disability compensation. The period for payment of such compensation shall be commence on the date the employee became permanently and totally disabled, as determined by the ALJ.

(f) Alternatively, if after the conclusion of the "second step" proceeding, the ALJ concludes that successful rehabilitation and/or reemployment is possible, the ALJ shall enter a final order to that effect, which order shall contain such direction to the parties as the ALJ shall deem appropriate for successful implementation and continuation of rehabilitation and/or reemployment. As necessary under the particular circumstances of each case, the ALJ's final order shall provide for reasonable offset of payments of any disability compensation that constitute an overpayment under Subsection 34A-2-413(4)(b).

(g) The ALJ's decision is subject to all administrative and judicial review provided by law.

R612-1-11. Burial Expenses.

Pursuant to Section 34A-2-418 if death results from an industrial injury or occupational disease, burial expenses in ordinary cases shall be paid by the employer or insurance carrier up to $4,000. Unusual cases may result in additional payment, either voluntarily by the employer or insurance carrier or through commission order.

KEY: workers' compensation, time, administrative procedure, filing deadlines
October 16, 2001 34A-2-101 et seq.
Notice of Continuation November 24, 1997 34A-3-101 et seq.
34A-1-104 et seq.
63-46b-1 et seq.

R612. Labor Commission, Industrial Accidents.
R612-6. Notification of Workers' Compensation Insurance Coverage.
R612-6-1. Notification of Workers' Compensation Insurance Coverage.

Any insurance carrier subject to the policy reporting requirements of Section 34A-2-205 may satisfy such reporting requirements by either of the following methods:

1. The insurance carrier may directly file the required information electronically with the Industrial Accidents Division in accordance with the International Association of Industrial Accidents Boards and Commissions (IAIABC) standards and format.

2. Alternatively, the insurance carrier may use an agent to file the required information electronically with the Industrial Accidents Division in accordance with IAIABC standards and format, provided that the agent has been authorized by the Labor Commission as meeting its electronic filing standards.

KEY: workers' compensation
October 16, 2001 34A-2-205

R614. Labor Commission, Occupational Safety and Health.
R614-1. General Provisions.
R614-1-1. Authority.

A. These rules and all subsequent revisions as approved and promulgated by the Labor Commission, Division of Occupational Safety and Health, are authorized pursuant to Title 34A, Chapter 6, Utah Occupational Safety and Health Act.

B. The intent and purpose of this chapter is stated in Section 34A-6-202 of the Act.

C. In accordance with legislative intent these rules provide for the safety and health of workers and for the administration of this chapter by the Division of Occupational Safety and Health of the Labor Commission.

R614-1-2. Scope.

These rules consist of the administrative procedures of UOSH, incorporating by reference applicable federal standards from 29 CFR 1910 and 29 CFR 1926, and the Utah initiated occupational safety and health standards found in R614-1 through R614-7. Notice has been given and rules filed as required by Subsection 34A-6-104(1)(c) and 34A-6-202(2) of the Utah Occupational Safety and Health Act and by Title 63, Chapter 46a, Utah Administrative Rulemaking Act.

R614-1-3. Definitions.

A. "Access" means the right and opportunity to examine and copy.

B. "Act" means the Utah Occupational Safety and Health Act of 1973.

C. "Administration" means the Division of Occupational Safety and Health of the Labor Commission, also known as UOSH (Utah Occupational Safety and Health).

D. "Administrator" means the director of the Division of Occupational Safety and Health.

E. "Amendment" means such modification or change in a code, standard, rule, or order intended for universal or general application.

F. "Analysis using exposure or medical records" means any compilation of data, or any research, statistical or other study based at least in part on information collected from individual employee exposure or medical records or information collected from health insurance claims records, provided that either the analysis has been reported to the employer or no further work is currently being done by the person responsible for preparing the analysis.

G. "Commission" means the Labor Commission.

H. "Council" means the Utah Occupational Safety and Health Advisory Council.

I. "Days" means calendar days, including Saturdays, Sundays, and holidays. The day of receipt of any notice shall not be included, and the last day of the 30 days shall be included.

J. "Designated representative" means any individual or organization to whom an employee gives written authorization to exercise a right of access. For the purpose of access to employee exposure records and analyses using exposure or medical records, a recognized or certified collective bargaining agent shall be treated automatically as a designated representative without regard to written employee authorization.

K. "Division" means the Division of Occupational Safety and Health, known by the acronyum of UOSH (Utah Occupational Safety and Health).

L. "Employee" includes any person suffered or permitted to work by an employer.

1. For Medical Records: "Employee" means a current employee, a former employee, or an employee being assigned or transferred to work where there will be exposure to toxic substances or harmful physical agents. In the case of deceased or legally incapacitated employee, the employee's legal representative may directly exercise all the employee's rights under this section.

M. "Employee exposure record" means a record containing any of the following kinds of information concerning employee exposure to toxic substances or harmful physical agents:

1. Environmental (workplace) monitoring or measuring, including personal, area, grab, wipe, or other form of sampling, as well as related collection and analytical methodologies, calculations, and other background data relevant to interpretations of the results obtained;

2. Biological monitoring results which directly assess the absorption of a substance or agent by body systems (e.g., the level of a chemical in the blood, urine, breath, hair, fingernails, etc.) but not including results which assess the biological effect of a substance or agent;

3. Material safety data sheets; or

4. In the absence of the above, any other record which reveals the identity (e.g., chemical, common, or trade name) of a toxic substance or harmful physical agent.

N. Employee medical record

1. "Employee medical record" means a record concerning the health status of an employee which is made or maintained by a physician, nurse, or other health care personnel, or technician including:

a. Medical and employment questionnaires or histories (including job description and occupational exposures);

b. The results of medical examinations (pre-employment, pre-assignment, periodic, or episodic) and laboratory tests (including X-ray examinations and all biological monitoring);

c. Medical opinions, diagnoses, progress notes, and recommendations;

d. Descriptions of treatments and prescriptions; and

e. Employee medical complaints.

2. "Employee medical record" does not include the following:

a. Physical specimens (e.g., blood or urine samples) which are routinely discarded as a part of normal medical practice, and not required to be maintained by other legal requirements;

b. Records concerning health insurance claims if maintained separately from the employer's medical program and its records, and not accessible to the employer by employee name or other direct personal identifier (e.g., social security number, payroll number, etc.); or

c. Records concerning voluntary employee assistance programs (alcohol, drug abuse, or personal counseling programs) if maintained separately from the employer's medical program and its records.

O. "Employer" means:

1. The state;

2. Each county, city, town, and school district in the state; and

3. Every person, firm, and private corporation, including public utilities, having one or more workers or operatives regularly employed in the same business, or in or about the same establishment, under any contract of hire.

4. For medical records: "Employer" means a current employer, a former employer, or a successor employer.

P. "Establishment" means a single physical location where business is conducted or where services or industrial operations are performed. (For example: A factory, mill, store, hotel, restaurant, movie theater, farm, ranch, bank, sales office, warehouse, or central administrative office.) Where distinctly separate activities are performed at a single physical location (such as contract construction activities from the same physical location as a lumber yard), each activity shall be treated as a separate physical establishment, and separate notices shall be posted in each establishment to the extent that such notices have been furnished by the Administrator.

1. Establishments whose primary activity constitutes retail trade; finance, insurance, real estate and services are classified in SIC's 52-89.

2. Retail trades are classified as SIC's 52-59 and for the most part include establishments engaged in selling merchandise to the general public for personal or household consumption. Some of the retail trades are: automotive dealers, apparel and accessory stores, furniture and home furnishing stores, and eating and drinking places.

3. Finance, insurance and real estate are classified as SIC's 60-67 and include establishments which are engaged in banking, credit other than banking, security dealings, insurance and real estate.

4. Services are classified as SIC's 70-89 and include establishments which provide a variety of services for individuals, businesses, government agencies, and other organizations. Some of the service industries are: personal and business services, in addition to legal, educational, social, and cultural; and membership organizations.

5. The primary activity of an establishment is determined as follows: For finance, insurance, real estate, and services establishments, the value of receipts or revenue for services rendered by an establishment determines its primary activity. In establishments with diversified activities, the activities determined to account for the largest share of production, sales or revenue will identify the primary activity. In some instances these criteria will not adequately represent the relative economic importance of each of the varied activities. In such cases, employment or payroll should be used in place of normal basis for determining the primary activity.

Q. "Exposure" or "exposed" means that an employee is subjected to a toxic substance or harmful physical agent in the course of employment through any route of entry (inhalation, ingestion, skin contact or absorption, etc.) and includes past exposure and potential (e.g., accidental or possible) exposure, but does not include situations where the employer can demonstrate that the toxic substance or harmful physical agent is not used, handled, stored, generated, or present in the workplace in any manner different from typical non-occupational situations.

R. "First aid" is any one-time treatment, and any follow-up visit for the purpose of observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require the attention of a physician. Such one-time treatment, and follow-up visit for the purpose of observation, is considered first aid even though provided by a physician or trained personnel provided that the records comply with R614-1-7.B. and are readily available to the Administrator or his representatives, by direct contact, telephone, or mail.

S. "Hearing" means a proceeding conducted by the commission.

T. "Imminent danger" means a danger exists which reasonably could be expected to cause an occupational disease, death, or serious physical harm immediately, or before the danger could be eliminated through enforcement procedures under this chapter.

U. "Inspection" means any inspection of an employer's factory, plant, establishment, construction site, or other area, workplace or environment where work is performed by an employee of an employer, and includes any inspection conducted pursuant to a complaint filed under R614-1-6.K.1. and 3., any re-inspection, follow-up inspection, accident investigation or other inspection conducted under Section 34A-6-301 of the Act.

V. "Medical treatment" includes treatment administered by a physician or trained personnel under the standing orders of a physician. Medical treatment does not include first aid treatment even though provided by a physician or trained personnel.

W. "National consensus standard" means any occupational safety and health standard or modification:

1. Adopted by a nationally recognized standards-producing organization under procedures where it can be determined by the administrator and division that persons interested and affected by the standard have reached substantial agreement on its adoption;

2. Formulated in a manner which affords an opportunity for diverse views to be considered; and

3. Designated as such a standard by the Secretary of the United States Department of Labor.

X. "Person" means the general public, one or more individuals, partnerships, associations, corporations, legal representatives, trustees, receivers, and the state and its political subdivisions.

Y. "Publish" means publication in accordance with Title 63, Chapter 46a, Utah Administrative Rulemaking Act.

Z. "Record" means any item, collection, or grouping of information regardless of the form or process by which it is maintained (e.g., paper document, microfiche, microfilm, X-ray film, or automated data processing.)

AA. "Recordable occupational injuries and illnesses" means any occupational injuries or illnesses which result in:

1. Fatalities, regardless of the time between the injury and death, or the length of the illness;

2. Lost time cases, other than fatalities, that result in lost time; or

3. Nonfatal cases without lost time which result in transfer to another job or termination of employment, or require medical

treatment (other than first aid), or involve loss of consciousness or restriction of work or motion. This category also includes any diagnosed occupational illnesses which are reported to the employer but are not classified as fatalities or lost time case.

BB. "Safety and Health Officer" means a person authorized by the Utah Occupational Safety and Health Administration to conduct inspections.

CC. "Secretary" means the Secretary of the United States Department of Labor.

DD. "Specific written consent" means written authorization containing the following:

1. The name and signature of the employee authorizing the release of medical information;

2. The date of the written authorization;

3. The name of the individual or organization that is authorized to release the medical information;

4. The name of the designated representative (individual or organization) that is authorized to receive the released information;

5. A general description of the medical information that is authorized to be released;

6. A general description of the purpose for the release of medical information; and

7. A date or condition upon which the written authorization will expire (if less than one year).

8. A written authorization does not operate to authorize the release of medical information not in existence on the date of written authorization, unless this is expressly authorized, and does not operate for more than one year from the date of written authorization.

9. A written authorization may be revoked in writing prospectively at any time.

EE. "Standard" means an occupational health and safety standard or group of standards which requires conditions, or the adoption or use of one or more practices, means, methods, operations, or processes, reasonably necessary to provide safety and healthful employment and places of employment.

FF. "Toxic substance" or "harmful physical agent" means any chemical substance, biological agent (bacteria, virus, fungus, etc.) or physical stress (noise, heat, cold, vibration, repetitive motion, ionizing and non-ionizing radiation, hypo and hyperbaric pressure, etc) which:

1. Is regulated by any Federal law or rule due to a hazard to health;

2. Is listed in the latest printed edition of the National Institute for Occupational Safety and Health (NIOSH) Registry of Toxic Effects of Chemical Substances (RTECS) (See R614-103-20B Appendix B);

3. Has yielded positive evidence of an acute or chronic health hazard in human, animal, or other biological testing conducted by, or known to the employer; or

4. Has a material safety data sheet available to the employer indicating that the material may pose a hazard to human health.

GG. "Variance" means a special, limited modification or change in the code or standard applicable to the particular establishment of the employer or person petitioning for the modification or change.

HH. "Workplace" means any place of employment.

R614-1-4. Incorporation of Federal Standards.

A. General Industry Standards.

1. Sections 29 CFR 1910.21 to 1910.999 and 1910.1000 through the end of part 1910 of the July 1, 2000, edition are incorporated by reference.

2. FR Vol. 65, No. 208, Thursday, October 26, 2000, Pages 64281 to and including 64295, "Consultation Agreements: Changes to Consultation Procedures; Final Rule" is incorporated by reference.

3. FR Vol. 66, No. 12, Thursday, January 18, 2001, Pages 5318 to and including 5325, "Occupational Exposure to Bloodborne Pathogens; Needlesticks and Sharps Injuries; Final Rule" is incorporated by reference.

B. Construction Standards.

1. Section 29 CFR 1926.20 through the end of part 1926, of the July 1, 2000, edition is incorporated by reference.

R614-1-5. Adoption and Extension of Established Federal Safety Standards and State of Utah General Safety Orders.

A. Scope and Purpose.

1. The provisions of this rule adopt and extend the applicability of: (1) established Federal Safety Standards, (2) R614, and (3) Workers' Compensation Coverage, as in effect July 1, 1973 and subsequent revisions, with respect to every employer, employee and employment within the boundaries of the State of Utah, covered by the Utah Occupational Safety and Health Act of 1973.

2. All standards and rules including emergency and/or temporary, promulgated under the Federal Occupational Safety and Health Act of 1970 shall be accepted as part of the Standards, Rules and Regulations under the Utah Occupational Safety and Health Act of 1973, unless specifically revoked or deleted.

3. All employers will provide workers' compensation benefits as required in Section 34A-2-201.

4. Any person, firm, company, corporation or association employing minors must comply fully with all orders and standards of the Labor Division of the Commission. UOSH standards shall prevail in cases of conflict.

B. Construction Work.

Federal Standards, 29 CFR 1926 and selected applicable sections of R614 are accepted covering every employer and place of employment of every employee engaged in construction work of:

1. New construction and building;

2. Remodeling, alteration and repair;

3. Decorating and painting;

4. Demolition; and

5. Transmission and distribution lines and equipment erection, alteration, conversion or improvement.

C. Reporting Requirements.

1. Each employer shall investigate or cause to be investigated all work-related injuries and occupational diseases and any sudden or unusual occurrence or change of conditions that pose an unsafe or unhealthful exposure to employees.

2. Each employer shall within 12 hours of occurrence, notify the Division of Utah Occupational Safety and Health of the Commission of any work-related fatalities, of any disabling, serious, or significant injury and of any occupational disease

incident. Call (801) 530-6901 or one of the individuals on the following personnel list.

TABLE 1

LABOR COMMISSION
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

BAGLEY, Jay W. (Administrator)
Kaysville, Utah 84037
543-1369

ADAMS, William W. Jr.
Park City, Utah 84060
649-4309

BURNS, Tori L.
Salt Lake City, Utah 84102
364-6673

ANDERSON, Neil A.
Kaysville, Utah 84037
544-2791

KING, Daniel L.
Lake Point, Utah 84074
250-6781

3. Each employer shall file a report with the Commission within seven days after the occurrence of an injury or occupational disease, after the employer's first knowledge of the occurrence, or after the employee's notification of the same, on forms prescribed by the Commission, of any work-related fatality or any work-related injury or occupational disease resulting in medical treatment, loss of consciousness or loss of work, restriction of work, or transfer to another job. Each employer shall file a subsequent report with the Commission of any previously reported injury or occupational disease that later resulted in death. The subsequent report shall be filed with the Commission within seven days following the death or the employer's first knowledge or notification of the death. No report is required for minor injuries, such as cuts or scratches that require first-aid treatment only, unless the treating physician files, or is required to file the physician's initial report of work injury or occupational disease with the Commission. Also, no report is required for occupational diseases which manifest after the employee is no longer employed by the employer with which the exposure occurred, or where the employer is not aware of an exposure occasioned by the employment which results in an occupational disease as defined by Section 34A-3-103.

4. Each employer shall provide the employee with a copy of the report submitted to the Commission. The employer shall also provide the employee with a statement, as prepared by the Commission, of his rights and responsibilities related to the industrial injury or occupational disease.

5. Each employer shall maintain a record in a manner prescribed by the Commission of all work-related injuries and all occupational diseases resulting in medical treatment, loss of consciousness, loss of work, restriction of work, or transfer to another job.

6. Tools, equipment, materials or other evidence that might pertain to the cause of such accident shall not be removed or destroyed until so authorized by the Labor Commission or one of its Compliance Officers.

7. No person shall remove, displace, destroy, or carry away any safety devices or safeguards provided for use in any place of employment, or interfere in any way with the use thereof by other persons, or interfere in any method or process adopted for the protection of employees. No employee shall refuse or neglect to follow and obey reasonable orders that are issued for the protection of health, life, safety, and welfare of employees.

D. Employer, Employee Responsibility.

1. It shall be the duty and responsibility of any employee upon entering his or her place of employment, to examine carefully such working place and ascertain if the place is safe, if the tools and equipment can be used with safety, and if the work can be performed safely. After such examination, it shall be the duty of the employee to make the place, tools, or equipment safe. If this cannot be done, then it becomes his or her duty to immediately report the unsafe place, tools, equipment, or conditions to the foreman or supervisor.

2. Employees must comply with all safety rules of their employer and with all the Rules and Regulations promulgated by UOSH which are applicable to their type of employment.

3. Management shall inspect or designate a competent person or persons to inspect frequently for unsafe conditions and practices, defective equipment and materials, and where such conditions are found to take appropriate action to correct such conditions immediately.

4. Supervisory personnel shall enforce safety regulations and issue such rules as may be necessary to safeguard the health and lives of employees. They shall warn all employees of any dangerous condition and permit no one to work in an unsafe place, except for the purpose of making it safe.

E. General Safety Requirements.

1. Where there is a risk of injury from hair entanglement in moving parts of machinery, employees shall confine their hair to eliminate the hazard.

2. Body protection: Clothing which is appropriate for the work being done should be worn. Loose sleeves, tails, ties, lapels, cuffs, or similar garments which can become entangled in moving machinery shall not be worn where an entanglement hazard exists. Clothing saturated or impregnated with flammable liquids, corrosive substances, irritant, oxidizing agents or other toxic materials shall be removed and shall not be worn until properly cleaned.

3. General. Wrist watches, rings, or other jewelry shall not be worn on the job where they constitute a safety hazard.

4. Safety Committees. It is recommended that a safety committee comprised of management and employee representatives be established. The committee or the individual member of the committee shall not assume the responsibility of management to maintain and conduct a safe operation. The duties of the committee should be outlined by management, and may include such items as reviewing the use of safety apparel, recommending action to correct unsafe conditions, etc.

5. No intoxicated person shall be allowed to go into or loiter around any operation where workers are employed.

6. No employee shall carry intoxicating liquor into a place of employment, except that the place of employment shall be engaged in liquor business and this is a part of his assigned duties.

7. Employees who do not understand or speak the English language shall not be assigned to any duty or place where the lack or partial lack of understanding or speaking English might adversely affect their safety or that of other employees.

8. Good housekeeping is the first law of accident prevention and shall be a primary concern of all supervisors and workers. An excessively littered or dirty work area will not be tolerated as it constitutes an unsafe, hazardous condition of employment.

9. Emergency Posting Required.

a. Good communications are necessary if a fire or disaster situation is to be adequately coped with. A system for alerting and directing employees to safety is an essential step in a safety program.

b. A list of telephone numbers or addresses as may be applicable shall be posted in a conspicuous place so the necessary help can be obtained in case of emergency. This list shall include:

(1) Responsible supervision (superintendent or equivalent)
(2) Doctor
(3) Hospital
(4) Ambulance
(5) Fire Department
(6) Sheriff or Police

10. Lockouts and Tagging.

a. Where there is any possibility of machinery being started or electrical circuits being energized while repairs or maintenance work is being done, the electrical circuits shall be locked open and/or tagged and the employee in charge (the one who places the lock) shall keep the key until the job is completed or he is relieved from the job, such as by shift change or other assignment. If it is expected that the job may be assigned to other workers, he may remove his lock provided the supervisor or other workers apply their lock and tag immediately. Where there is danger of machinery being started or of steam or air creating a hazard to workers while repairs on maintenance work is being done, the employee in charge shall disconnect the lines or lock and tag the main valve closed or blank the line on all steam driven machinery, pressurized lines or lines connected to such equipment if they could create a hazard to workers.

b. After tagging and lockout procedures have been applied, machinery, lines, and equipment shall be checked to insure that they cannot be operated.

c. If locks and tags cannot be applied, conspicuous tags made of nonconducting material and plainly lettered, "EMPLOYEES WORKING" followed by the other appropriate wording, such as "Do not close this switch" shall be used.

d. When in doubt as to procedure, the worker shall consult his supervisor concerning safe procedure.

11. Safety-Type hooks shall be used wherever possible.

12. Emergency Showers, Bubblers, and Eye Washers.

a. Readily accessible, well marked, rapid action safety showers and eye wash facilities must be available in areas where strong acid, caustic or highly oxidizing or irritating chemicals are being handled. (This is not applicable where first aid practices specifically preclude flushing with running water.)

b. Showers should have deluge type heads, easily accessible, plainly marked and controlled by quick opening valves of the type that stay open. The valve handle should be equipped with a pull chain, rope, etc., so the blinded employee will be able to more easily locate the valve control. In addition, it is recommended that the floor platform be so constructed to actuate the quick opening valve. The shower should be capable of supplying large quantities of water under moderately high pressure. Blankets should be located so as to be reasonably accessible to the shower area.

c. All safety equipment should be inspected and tested at regular intervals, preferably daily and especially during freezing weather, to make sure it is in good working condition at all times.

13. Grizzlies Over Chutes, Bins and Tank Openings.

a. Employees shall be furnished with and be required to use approved type safety harnesses and shall be tied off securely so as to suspend him above the level of the product before entering any bin, chute or storage place containing material that might cave or run. Cleaning and barring down in such places shall be started from the top using only bars blunt on one end or having a ring type or D handhold.

b. Employees shall not work on top of material stored or piled above chutes, drawholes or conveyor systems while material is being withdrawn unless protected.

c. Chutes, bins, drawholes and similar openings shall be equipped with grizzlies or other safety devices that will prevent employees from falling into the openings.

d. Bars for grizzly grids shall be so fitted that they will not loosen and slip out of place, and the operator shall not remove a bar temporarily to let large rocks through rather than to break them.

R614-1-6. Personal Protective Equipment.

A. When no other method or combination of methods can be provided to prevent employees from becoming exposed to toxic dusts, fumes, gases, flying particles or other objects, dangerous rays or burns from heat, acid, caustic, or any other hazard of a similar nature, the employer must provide each worker with the necessary personal protection equipment, such as respirators, goggles, gas masks, certain types of protective clothing, etc. Provision must also be made to keep all such equipment in good, sanitary working condition at all times.

B. Where there is a risk of injury from hair entanglement in moving parts of machinery, employees shall confine their hair to eliminate the hazard.

C. Except when, in the opinion of the Administrator, their use creates a greater hazard, life lines and safety harnesses shall be provided for and used by workers engaged in window washing, in securing or shifting thrustouts, inspecting or working on overhead machines supporting scaffolds or other high rigging, and on steeply pitched roofs. Similarly, they shall be provided for and used by all exposed to the hazard of falling, and by workmen on poles workers or steel frame construction more than ten (10) feet above solid ground or above a temporary or permanent floor or platform.

D. Every life line and safety harness shall be inspected by the superintendent or his authorized representative and the worker before it is used and at least once a week while continued in use.

E. Wristwatches, rings, or other jewelry shall not be worn on the job where they constitute a safety hazard.

R614-1-7. Inspections, Citations, and Proposed Penalties.

A. The Utah Occupational Safety and Health Act (Title

34A, Chapter 6) requires, that every employer covered under the Act furnish to his employees employment and a place of employment which are free from recognized hazards that are likely to cause death or serious physical harm to his employees. The Act also requires that employers comply with occupational safety and health standards promulgated under the Act, and that employees comply with standards, rules, regulations and orders issued under the Act applicable to employees actions and conduct. The Act authorizes the Utah Occupational Safety and Health Division to conduct inspections, and to issue citations and proposed penalties for alleged violations. The Act, under Section 34A-6-301, also authorizes the Administrator to conduct inspections and to question employers and employees in connection with research and other related activities. The Act contains provisions for adjudication of violations, periods prescribed for the abatement of violations, and proposed penalties by the Labor Commission, if contested by an employer or by an employee or authorized representative of employees, and for a judicial review. The purpose of R614-1-7 is to prescribe rules and general policies for enforcement of the inspection, citations, and proposed penalty provisions of the Act. Where R614-1-7 sets forth general enforcement policies rather than substantive or procedural rules, such policies may be modified in specific circumstances where the Administrator or his designee determines that an alternative course of action would better serve the objectives of the Act.

B. Posting of notices; availability of Act, regulations and applicable standards.

1. Each employer shall post and keep posted notices, to be furnished by the Administrator, informing employees of the protections and obligations provided for in the Act, and that for assistance and information, including copies of the Act and of specific safety and health standards, employees should contact their employer or the office of the Administrator. Such notices shall be posted by the employer in each establishment in a conspicuous place where notices to employees are customarily posted. Each employer shall take steps to insure that such notices are not altered, defaced, or covered by other material.

2. Where employers are engaged in activities which are physically dispersed, such as agriculture, construction, transportation communications, and electric, gas and sanitary services, the notices required shall be posted at the location where employees report each day. In the case of employees who do not usually work at, or report to, a single establishment, such as traveling salesman, technicians, engineers, etc., such notices shall be posted in accordance with the requirements of R614-1-7.Q.

3. Copies of the Act, all regulations published under authority of Section 34A-6-202 and all applicable standards will be available at the office of the Administrator. If an employer has obtained copies of these materials, he shall make them available upon request to any employee or his authorized representative.

4. Any employer failing to comply with the provisions of this Part shall be subject to citation and penalty in accordance with the provisions of Sections 34A-6-302 and 34A-6-307 of the Act.

C. Authority for Inspection.

1. Safety and Health Officers of the Division are authorized to enter without delay and at reasonable times any factory, plant, establishment, construction site, or other area, workplace or environment where work is performed by an employee of an employer; to inspect and investigate during regular working hours and at other reasonable times, and within reasonable limits and in a reasonable manner, any such place of employment, and all pertinent conditions, structures, machines, apparatus, devices, equipment and materials therein; to question privately any employer, owner, operator, agent or employee; and to review records required by the Act and regulations published in R614-1-7 and 8, and other records which are directly related to the purpose of the inspection.

2. Prior to inspecting areas containing information which has been classified as restricted by an agency of the United States Government in the interest of national security, Safety and Health Officers shall obtain the appropriate security clearance.

D. Objection to Inspection.

1. Upon a refusal to permit the Safety and Health Officer, in exercise of his official duties, to enter without delay and at reasonable times any place of employment or any place therein, to inspect, to review records, or to question any employer, owner, operator, agent, or employee, in accordance with R614-1-7.B. and C. or to permit a representative of employees to accompany the Safety and Health Officer during the physical inspection of any workplace in accordance with R614-1-7.G. the Safety and Health Officer shall terminate the inspection or confine the inspection to other areas, conditions, structures, machines, apparatus, devices, equipment, materials, records or interview concerning which no objection is raised.

2. The Safety and Health Officer shall endeavor to ascertain the reason for such refusal, and shall immediately report the refusal and the reason therefor to the Administrator. The Administrator shall take appropriate action, including compulsory process, if necessary.

3. Compulsory process shall be sought in advance of an attempted inspection or investigation if, in the judgment of the Administrator circumstances exist which make such preinspection process desirable or necessary. Some examples of circumstances in which it may be desirable or necessary to seek compulsory process in advance of an attempt to inspect or investigate include (but are not limited to):

a. When the employers past practice either implicitly or explicitly puts the Administrator on notice that a warrantless inspection will not be allowed:

b. When an inspection is scheduled far from the local office and procuring a warrant prior to leaving to conduct the inspection would avoid, in case of refusal of entry, the expenditure of significant time and resources to return to the office, obtain a warrant and return to the work-site;

c. When an inspection includes the use of special equipment or when the presence of an expert or experts is needed in order to properly conduct the inspection, and procuring a warrant prior to an attempt to inspect would alleviate the difficulties or costs encountered in coordinating the availability of such equipment or expert.

4. For purposes of this section, the term compulsory process shall mean the institution of any appropriate action, including ex parte application for an inspection warrant or its

equivalent. Ex parte inspection warrants shall be the preferred form of compulsory process in all circumstances where compulsory process is relied upon to seek entry to a workplace under this section.

E. Entry not a Waiver.

Any permission to enter, inspect, review records, or question any person, shall not imply a waiver of any cause of action, citation, or penalty under the Act. Safety and Health Officers are not authorized to grant such waivers.

F. Advance notice of Inspections.

1. Advance notice of inspections may not be given, except in the following instances:

a. In cases of apparent imminent danger, to enable the employer to abate the danger as quickly as possible.

b. In circumstances where the inspection can most effectively be conducted after regular business hours or where special preparations are necessary for an inspection.

c. Where necessary to assure the presence of the employer or representative of the employer and employees or the appropriate personnel needed to aid the inspection; and

d. In other circumstances where the Administrator determines that the giving of advance notice would enhance the probability of an effective and thorough inspection.

2. In the instances described in R614-1-7.F.1., advance notice of inspections may be given only if authorized by the Administrator, except that in cases of imminent danger, advance notice may be given by the Safety and Health Officer without such authorization if the Administrator is not immediately available. Where advance notice is given, it shall be the employer's responsibility to notify the authorized representative of the employees of the inspection, if the identity of such representatives is known to the employer. (See R614-1-7.H.2. as to instances where there is no authorized representative of employees.) Upon the request of the employer, the Safety and Health Officer will inform the authorized representative of employees of the inspection, provided that the employer furnishes the Safety and Health Officer with the identity of such representatives and with such other information as is necessary to enable him promptly to inform such representatives of the inspection. A person who fails to comply with his responsibilities under this paragraph, may be subject to citation and penalty under Sections 34A-6-302 and 34A-6-307 of the Act. Advance notice in any of the instances described in R614-1-7.F. shall not be given more than 24 hours before the inspection is scheduled to be conducted, except in cases of imminent danger and other unusual circumstances.

3. The Act provides in Subsection 34A-6-307(5)(b) conditions for which advanced notice can be given and the penalties for not complying.

G. Conduct of Inspections.

1. Subject to the provisions of R614-1-7.C., inspections shall take place at such times and in such places of employment as the Administrator or the Safety and Health Officer may direct. At the beginning of an inspection, Safety and Health Officers shall present their credentials to the owner, operator, or agent in charge at the establishment; explain the nature and purpose of the inspection; and indicate generally the scope of the inspection and the records specified in R614-1-7.C. which they wish to review. However, such designations of records shall not preclude access to additional records specified in R614-1-7.C.

2. Safety and Health Officers shall have authority to take environmental samples and to take photographs or video recordings related to the purpose of the inspection, employ other reasonable investigative techniques, and question privately any employer, owner, operator, agent or employee of an establishment. (See R614-1-7.I. on trade secrets.) As used herein, the term "employ other reasonable investigative techniques" includes, but is not limited to, the use of devices to measure employee exposures and the attachment of personal sampling equipment such as dosimeters, pumps, badges, and other similar devices to employees in order to monitor their exposures.

3. In taking photographs and samples, Safety and Health Officers shall take reasonable precautions to insure that such actions with flash, spark-producing, or other equipment would not be hazardous. Safety and Health Officers shall comply with all employer safety and health rules and practices at the establishment being inspected, and shall wear and use appropriate protective clothing and equipment.

4. The conduct of inspections shall preclude unreasonable disruption of the operations of the employer's establishment.

5. At the conclusion of an inspection, the Safety and Health Officer shall confer with the employer or his representative and informally advise him of any apparent safety or health violations disclosed by the inspection. During such conference, the employer shall be afforded an opportunity to bring to the attention of the Safety and Health Officer any pertinent information regarding conditions in the workplace.

H. Representative of employers and employees.

1. Safety and Health Officer shall be in charge of inspections and questioning of persons. A representative of the employer and a representative authorized by his employees shall be given an opportunity to accompany the Safety and Health Officer during the physical inspection of any workplace for the purpose of aiding such inspection. A Safety and Health Officer may permit additional employer representative and additional representatives authorized by employees to accompany him where he determines that such additional representatives will further aid the inspection. A different employer and employee representative may accompany the Safety and Health Officer during each phase of an inspection if this will not interfere with the conduct of the inspection.

2. Safety and Health Officers shall have authority to resolve all disputes as to who is the representative authorized by the employer and the employees for purpose of this Part. If there is no authorized representative of employees, or if the Safety and Health Officer is unable to determine with reasonable certainty who is such representative, he shall consult with a reasonable number of employees concerning matters of safety and health in the workplace.

3. The representative(s) authorized by employees shall be an employee(s) of the employer. However, if in the judgment of the Safety and Health Officer, good cause has been shown why accompaniment by a third party who is not an employee of the employer (such as an industrial hygienist or safety engineer) is reasonably necessary to the conduct of an effective and thorough physical inspection of the workplace, such third party may accompany the Safety and Health Officer during the

inspection.

4. Safety and Health Officers are authorized to deny the right of accompaniment under this Part to any person whose conduct interferes with a fair and orderly inspection. The right of accompaniment in areas containing trade secrets shall be subject to the provisions of R614-1-7.I.3. With regard to information classified by an agency of the U.S. Government in the interest of national security, only persons authorized to have access to such information may accompany a Safety and Health Officer in areas containing such information.

I. Trade secrets.

1. Section 34A-6-306 of the Act provides provisions for trade secrets.

2. At the commencement of an inspection, the employer may identify areas in the establishment which contain or which might reveal a trade secret. If the Safety and Health Officer has no clear reason to question such identification, information obtained in such areas, including all negatives and prints of photographs, and environmental samples, shall be labeled "confidential-trade secret" and shall not be disclosed except in accordance with the provisions of Section 34A-6-306 of the Act.

3. Upon the request of an employer, any authorized representative of employees under R614-1-7.H. in an area containing trade secrets shall be an employee in that area or an employee authorized by the employer to enter that area. Where there is not such representative or employee, the Safety and Health Officer shall consult with a reasonable number of employees who work in that area concerning matters of safety and health.

J. Consultation with employees.

Safety and Health Officers may consult with employees concerning matters of occupational safety and health to the extent they deem necessary for the conduct of an effective and thorough inspection. During the course of an inspection, any employee shall be afforded an opportunity to bring any violation of the Act which he has reason to believe exists in the workplace to the attention of the Safety and Health Officer.

K. Complaints by employees.

1. Any employee or representative of employees who believe that a violation of the Act exists in any workplace where such employee is employed may request an inspection of such workplace by giving notice of the alleged violation to the Administrator or to a Safety and Health Officer. Any such notice shall be reduced to writing, shall set forth with reasonable particularity the grounds for the notice, and shall be signed by the employee or representative of employees. A copy of the notice shall be provided the employer or his agent by the Administrator or Safety and Health Officer no later than at the time of inspection, except that, upon the request of the person giving such notice, his name and the names of individual employees referred to therein shall not appear in such copy or on any record published, released, or made available by the Administrator.

2. If upon receipt of such notification the Administrator determines that the complaint meets the requirements set forth in R614-1-7.K.1., and that there are reasonable grounds to believe that the alleged violation exists, he shall cause an inspection to be made as soon as practicable. Inspections under this Part shall not be limited to matters referred to in the complaint.

3. Prior to or during any inspection of a workplace, any employee or representative of employees employed in such workplace may notify the Safety and Health Officer, in writing, of any violation of the Act which they have reason to believe exists in such workplace. Any such notice shall comply with requirements of R614-1-7.K.1.

4. Section 34A-6-203 of the Act provides protection for employees while engaged in protected activities.

L. Inspection not warranted; informal review.

1. If the Administrator determines that an inspection is not warranted because there are no reasonable grounds to believe that a violation or danger exists with respect to a complaint under K, he shall notify the complaining party in writing of such determination. The complaining party may obtain review of such determination by submitting a written statement of position with the Administrator. The Administrator, at his discretion, may hold an informal conference in which the complaining party and the employer may orally present their views. After considering all written and oral view presented, the Administrator shall affirm, modify, or reverse the determination of the previous decision and again furnish the complaining party and the employer written notification of his decision and the reasons therefor.

2. If the Administrator determines that an inspection is not warranted because the requirements of R614-1-7.K.1. have not been met, he shall notify the complaining party in writing of such determination. Such determination shall be without prejudice to the filing of a new complaint meeting the requirements of R614-1-7.K.1.

M. Imminent danger.

Whenever a Safety and Health Officer concludes, on the basis of an inspection, that conditions or practices exist in any place of employment which could reasonably be expected to cause death or serious physical harm before the imminence of such danger can be eliminated through the enforcement procedures of the Act, he shall inform the affected employees and employers of the danger, that he is recommending a civil action to restrain such conditions or practices and for other appropriate citations of proposed penalties which may be issued with respect to an imminent danger even though, after being informed of such danger by the Compliance Officer, the employer immediately eliminates the imminence of the danger and initiates steps to abate such danger.

N. Citations.

1. The Administrator shall review the inspection report of the Safety and Health Officer. If, on the basis of the report the Administrator believes that the employer has violated a requirement of Section 34A-6-201 of the Act, of any standard, rule, or order promulgated pursuant to Section 34A-6-202 of the Act, or of any substantive rule published in this chapter, shall issue to the employer a citation. A citation shall be issued even though, after being informed of an alleged violation by the Safety and Health Officer, the employer immediately abates, or initiates steps to abate, such alleged violations. Any citation shall be issued with reasonable promptness after termination of the inspection. No citation may be issued after the expiration of 6 months following the occurrence of any violation.

2. Any citation shall describe with particularity the nature

of the alleged violation, including a reference to the provision of the Act, standard, rule, regulations, or order alleged to have been violated. Any citation shall also fix a reasonable time or times for the abatement of the alleged violations.

3. If a citation is issued for an alleged violation in a request for inspection under R614-1-7.K.1. or a notification of violation under R614-1-7.K.3., a copy of the citation shall also be sent to the employee or representative of employees who made such request or notification.

4. Following an inspection, if the Administrator determines that a citation is not warranted with respect to a danger or violation alleged to exist in a request for inspection under R614-1-7.K.1.or a notification of violation under R614-1-7.K.3., the informal review procedures prescribed in R614-1-7.L.1. shall be applicable. After considering all views presented, the Administrator shall either affirm, order a re-inspection, or issue a citation if he believes that the inspection disclosed a violation. The Administrator shall furnish the complaining party and the employer with written notification of his determination and the reasons therefor.

5. Every citation shall state that the issuance of a citation does not constitute a finding that a violation of the Act has occurred unless there is a failure to contest as provided for in the Act or, if contested, unless the citation is affirmed by the Commission.

O. Petitions for modification of abatement date.

1. An employer may file a petition for modification of abatement date when he has made a good faith effort to comply with the abatement requirements of the citation, but such abatement has not been completed because of factors beyond his reasonable control.

2. A petition for modification of abatement date shall be in writing and shall include the following information.

a. All steps taken by the employer, and the dates of such action, in an effort to achieve compliance during the prescribed abatement period.

b. The specific additional abatement time necessary in order to achieve compliance.

c. The reasons such additional time is necessary, including the unavailability, of professional or technical personnel or of materials and equipment, or because necessary construction or alteration of facilities cannot be completed by the original abatement date.

d. All available interim steps being taken to safeguard the employees against the cited hazard during the abatement period.

e. A certification that a copy of the petition has been posted and, if appropriate, served on the authorized representative of affected employees, in accordance with paragraph R614-1-7.O.3.a. and a certification of the date upon which such posting and service was made.

3. A petition for modification of abatement date shall be filed with the Administrator who issued the citation no later than the close of the next working day following the date on which abatement was originally required. A later-filed petition shall be accompanied by the employer's statement of exceptional circumstances explaining the delay.

a. A copy of such petition shall be posted in a conspicuous place where all affected employees will have notice thereof or near such location where the violation occurred. The petition shall remain posted for a period of ten (10) days. Where affected employees are represented by an authorized representative, said representative shall be served with a copy of such petition.

b. Affected employees or their representatives may file an objection in writing to such petition with the aforesaid Administrator. Failure to file such objection within ten (10) working days of the date of posting of such petition or of service upon an authorized representative shall constitute a waiver of any further right to object to said petition.

c. The Administrator or his duly authorized agent shall have authority to approve any petition for modification of abatement date filed pursuant to paragraphs R614-1-7.O.2. and 3. Such uncontested petitions shall become final orders pursuant to Subsection 34A-6-303(1) of the Act.

d. The Administrator or his authorized representative shall not exercise his approval power until the expiration of ten (10) days from the date of the petition was posted or served pursuant to paragraphs R614-1-7.O.3.a. and b. by the employer.

4. Where any petition is objected to by the affected employees, the petition, citation, and any objections shall be forwarded to the Administrator per R614-1-7.O.3.b. Upon receipt the Administrator shall schedule and notify all interested parties of a formal hearing before the Administrator or his authorized representative(s). Minutes of this hearing shall be taken and become public records of the Commission. Within ten (10) days after conclusion of the hearing, a written opinion by the Administrator will be made, with copies to the affected employees or their representatives, the affected employer and to the Commission.

P. Proposed penalties.

1. After, or concurrent with, the issuance of a citation and within a reasonable time after the termination of the inspection, the Administrator shall notify the employer by certified mail or by personal service by the Safety and Health Officer of the proposed penalty under Section 34A-6-307 of the Act, or that no penalty is being proposed. Any notice of proposed penalty shall state that the proposed penalty shall be deemed to be the final order of the Commission and not subject to review by any court or agency unless, within 30 days from the date of receipt of such notice, the employer notifies the Adjudication Division in writing that he intends to contest the citation or the notification of proposed penalty before the Commission.

2. The Administrator shall determine the amount of any proposed penalty, giving due consideration to the appropriateness of the penalty with respect to the size of the business, of the employer being charged, the gravity of the violation, the good faith of the employer, and the history of previous violations, in accordance with the provisions of Section 34A-6-307 of the Act.

3. Appropriate penalties may be proposed with respect to an alleged violation even though after being informed of such alleged violation by the Safety and Health Officer, the employer immediately abates, or initiates steps to abate, such alleged violation. Penalties shall not be proposed for violations which have no direct or immediate relationship to safety or health.

Q. Posting of citations.

1. Upon receipt of any citation under the Act, the employer shall immediately post such citation, or copy thereof,

unedited, at or near each place of alleged violation referred to in the citation occurred, except as hereinafter provided. Where, because of the nature of the employer's operations, it is not practicable to post the citation at or near each place of alleged violation, such citation shall be posted, unedited, in a prominent place where it will be readily observable by all affected employees. For example, where employees are engaged in activities which are physically dispersed (see R614-1-7.B.), the citation may be posted at the location to which employees report each day. Where employees do not primarily work at or report to a single location (see R614-1-7.B.2.), the citation must be posted at the location from which the employees commence their activities. The employer shall take steps to ensure that the citation is not altered, defaced, or covered by other material.

2. Each citation or a copy thereof, shall remain posted until the violation has been abated, or for 3 working days which ever is later. The filing by the employer of a notice of intention to contest under R614-1-7.R. shall not affect his posting responsibility unless and until the Commission issues a final order vacating the citation.

3. An employer, to whom a citation has been issued, may post a notice in the same location where such citation is posted indicating that the citation is being contested before the Commission, such notice may explain the reasons for such contest. The employer may also indicate that specified steps have been taken to abate the violation.

4. Any employer failing to comply with the provisions of R614-1-7.Q.1. and 2. shall be subject to citation and penalty in accordance with the provisions of Section 34A-6-307 of the Act.

R. Employer and employee hearings before the Commission.

1. Any employer to whom a citation or notice of proposed penalty has been issued, may under Section 34A-6-303 of the Act, notify the Adjudication Division in writing that the employer intends to contest such citation or proposed penalty before the Commission. Such notice of intention to contest must be received by the Adjudication Division within 30 days of the receipt by the employer of the notice of proposed penalty. Every notice of intention to contest shall specify whether it is directed to the citation or to the proposed penalty, or both. The Adjudication Division shall handle such notice in accordance with the rules of procedures prescribed by the Commission.

2. An employee or representative of employee of an employer to whom a citation has been issued may, under Section 34A-6-303(3) of the Act, file a written notice with the Adjudication Division alleging that the period of time fixed in the citation for the abatement of the violation is unreasonable. Such notice must be received by the Adjudication Division within 30 days of the receipt by the employer of the notice of proposed penalty or notice that no penalty is being proposed. The Adjudication Division shall handle such notice in accordance with the rules of procedure prescribed by the Commission.

S. Failure to correct a violation for which a citation has been issued.

1. If an inspection discloses that an employer has failed to correct an alleged violation for which a citation has been issued within the period permitted for its correction, the Administrator shall notify the employer by certified mail or by personal service by the Safety and Health Officer of such failure and of the additional penalty proposed under Section 34A-6-307 of the Act by reason of such failure. The period for the correction of a violation for which a citation has been issued shall not begin to run until the entry of a final order of the Commission in the case of any review proceedings initiated by the employer in good faith and not solely for delay or avoidance of penalties.

2. Any employer receiving a notification of failure to correct a violation and of proposed additional penalty may, under Section 34A-6-303(3) of the Act, notify the Adjudication Division in writing that he intends to contest such notification or proposed additional penalty before the Commission. Such notice of intention to contest shall be postmarked within 30 days of receipt by the employer of the notification of failure to correct a violation and of proposed additional penalty. The Adjudication Division shall handle such notice in accordance with the rules of procedures prescribed by the Commission.

3. Each notification of failure to correct a violation and of proposed additional penalty shall state that it shall be deemed to be the final order of the Commission and not subject to review by any court or agency unless, within 30 days from the date of receipt of such notification, the employer notifies the Adjudication Division in writing that he intends to contest the notification or the proposed additional penalty before the Commission.

T. Informal conferences.

At the request of an affected employer, employee, or representative of employees, the Administrator may hold an informal conference for the purpose of discussing any issues raised by an inspection, citation, notice of proposed penalty, or notice of intention to contest. The Administrator shall provide in writing the reasons for any settlement of issues at such conferences. If the conference is requested by the employer, an affected employee or his representative shall be afforded an opportunity to participate, at the discretion of the Administrator. If the conference is requested by an employee or representative of employees, the employer shall be afforded an opportunity to participate, at the discretion of the Administrator. Any party may be represented by counsel at such conference. No such conference or request for such conference shall operate as a stay of any 30 day period for filing a notice of intention to contest as prescribed in R614-1-7.R.

R614-1-8. Recording and Reporting Occupational Injuries and Illnesses.

A. The rules in this section implement Sections 34A-6-108 and 34A-6-301(3) of the Act. These sections provide for record-keeping and reporting by employers covered under the Act, for developing information regarding the causes and prevention of occupational accidents and illnesses, and for maintaining a program of collection, compilation, and analysis of occupational safety and health statistics. Regardless of size or type of operation, accidents and fatalities must be reported to UOSH in accordance with the requirements of R614-1-5.C.

B. Exceptions to Recordkeeping and Reporting Requirements.

1. Small Employers. An employer who had no more than ten (10) employees at any time during the calendar year immediately preceding the current calendar year need not

comply with any of the requirements of this part except the following:

a. Obligation to report under R614-1-5.C. concerning fatalities or accidents; and

b. Obligation to maintain a log of occupational injuries and illnesses under R614-1-8.C. and to make reports under R614-1-8.N. upon being notified in writing by the Commission's Statistics Section that the employer has been selected to participate in a statistical survey of occupational injuries and illnesses.

2. Employers who are engaged in farming operations, having 10 or fewer employees are not subject to the Act, including the provisions of this part.

3. Establishments Classified in Standard Industrial Classification Codes (SIC) 52-89, (except 52-54, 70, 75, 76, 79 and 80.) An employer whose establishment is classified in SIC's 52-89, (excluding 52-54, 70, 75, 76, 79 and 80) need not comply, for such establishment, with any of the requirements of this part except the following:

a. Obligation to report under R614-1-5.C. concerning fatalities or serious injury.

b. Obligation to maintain a log of occupational injuries and illnesses under R614-1-8.K. and L. upon being notified in writing by the federal Bureau of Labor Statistics that the employer has been selected to participate in a statistical survey of occupational injuries and illnesses; and

c. Those employers who engage in activities classified as high risk industries (i.e., a real estate establishment engaged in construction activities) must maintain records on the High Risk portions of their operations.

C. Log and summary of occupational injuries and illness.

1. Each employer shall maintain in each establishment a log and summary of all recordable occupational injuries and illnesses for that establishment, except that under the circumstances described in R614-1-8.C.2. an employer may maintain the log and summary of occupational injuries and illnesses at a place other than the establishment. Each employer shall enter all recordable occupational injury and illness on the log and summary as early as practicable but no later than 6 working days after receiving information that a recordable case has occurred. For this purpose, the federal OSHA Form No. 200 or any private equivalent form may be used. OSHA Form No. 200 or its equivalent shall be completed in the detail provided in the form and instructions contained in OSHA Form No. 200. If an equivalent of OSHA Form No. 200 is used, such as a printout from data-processing equipment, the information shall be as readable and comprehensible to a person not familiar with the data-processing equipment as the OSHA Form No. 200 itself.

2. Any employer may maintain the log and summary of occupational injuries and illnesses at a place other than the establishment or by means of data-processing equipment, or both, under the following circumstances:

a. There is available at the place where the log and summary is maintained sufficient information to complete the log to a date within 6 working days after receiving information that a recordable case has occurred, as required by R614-1-8.C.

b. At each of the employer's establishments, there is available a copy of the log and summary which reflects separately the injury and illness experience of that establishment complete and current to a date within 45 calendar days.

D. Period covered.

Records shall be established on a calendar year basis.

E. Supplementary record.

In addition to the log and summary of occupational injuries and illnesses provided for under R614-1-8.C.1., each employer shall have available for inspection at each establishment within 6 working days after receiving information that a recordable case has occurred, a supplementary record for that establishment. The record shall be completed in the detail prescribed in the instructions accompanying federal OSHA Form No. 101. Workers' compensation, insurance, or other reports are acceptable alternative records if they contain the information required by the federal OSHA Form No. 101. If no acceptable alternative record is maintained for other purposes, Federal OSHA Form No. 101 shall be used or the necessary information shall be otherwise maintained.

F. Annual Summary.

1. Each employer shall post an annual summary of occupational injuries and illnesses for each establishment. This summary shall consist of a copy of the year's totals from the form OSHA Form No. 200 and the following information from that form: calendar year covered, company name, establishment address, certification signature, title, and date. An OSHA Form No. 200 shall be used in presenting the summary. If no injuries or illnesses occurred in the year, zeros must be entered in the totals line, and the form must be posted.

2. The summary shall be completed by February 1 beginning with calendar year 1979. The summary of 1977 calendar year's occupational injuries and illnesses shall be posted on OSHA form No. 102.

3. Each employer or the officer or employee of the employer who supervises the preparation of the log and summary of occupational injuries and illnesses, shall certify that the annual summary of occupational injuries and illnesses is true and complete. The certification shall be accomplished by affixing the signature of the employer, or the officer or employee of the employer who supervises the preparation of the annual summary of occupational injuries and illnesses, at the bottom of the last page of the log and summary or by appending a separate statement to the annual summary certifying that the annual summary is true and complete.

4. Each employer shall post a copy of the establishment's summary in each establishment in the same manner that notices are required to be posted under R614-1-7.B.1. The summary covering the previous calendar year shall be posted no later than February 1, and shall remain in place until March 1. For employees who do not primarily report or work at a single establishment, or who do not report to any fixed establishment on a regular basis, employers shall satisfy this posting requirement by presenting or mailing a copy of the summary portion of the log and summary during the month of February of the following year to each such employee who receives pay during that month. For multi-establishment employers where operations have closed down in some establishments during the calendar year, it will not be necessary to post summaries for those establishments.

a. Failure to post a copy of the establishment's annual

summary may result in the issuance of citations and assessment of penalties pursuant to Sections 34A-6-302 and 34A-6-307 of the Act.

G. Retention of records.

1. Records provided for in R614-1-8.A.,E., and F. (including OSHA Form No. 200 and its predecessor OSHA Forms No. 100 and No. 102) shall be retained in each establishment for 5 years following the end of the year to which they relate.

2. Preservation of records.

a. This section applies to each employer who makes, maintains or has access to employee exposure records or employee medical records.

b. "Employee exposure record" means a record of monitoring or measuring which contains qualitative or quantitative information indicative of employee exposures to toxic materials or harmful physical agents. This includes both individual exposure records and general research or statistical studies based on information collected from exposure records.

c. "Employee medical record" means a record which contains information concerning the health status of an employee or employees exposed or potentially exposed to toxic materials or harmful physical agents. These records may include, but are not limited to:

(1) The results of medical examinations and tests;

(2) Any opinions or recommendations of a physician or other health professional concerning the health of an employee or employees; and

(3) Any employee medical complaints relating to workplace exposure. Employee medical records include both individual medical records and general research or statistical studies based on information collected from medical records.

d. Preservation of records. Each employer who makes, maintains, or has access to employee exposure records or employee medical records shall preserve these records.

e. Availability of records. The employer shall make available, upon request to the Administrator, or a designee, and to the Director of the Division of Health, or a designee, all employee exposure records and employee medical records for examination and copying.

H. Access to records.

1. Records provided for in R614-1-8.A.,E., and F. shall be available for inspection and copying by Compliance Officers during any occupational safety and health inspection provided for under R614-1-7 and Section 34A-6-301 of the Act.

2. The log and summary of all recordable occupational injuries and illnesses (OSHA No. 200) (the log) provided for in R614-1-8.A. shall, upon request, be made available by the employer to any employee, former employee, and to their representatives for examination and copying in a reasonable manner and at reasonable times. The employee, former employee, and their representatives shall have access to the log for any establishment in which the employee is or has been employed.

3. Nothing in this section shall be deemed to preclude employees and employee representatives from collectively bargaining to obtain access to information relating to occupational injuries and illnesses in addition to the information made available under this section.

4. Access to the log provided under this section shall pertain to all logs retained under requirements of R614-1-8.G.

I. Reporting of fatality or accidents. (Refer to Utah Occupational Safety and Health Rule, R614-1-5.C.)

J. Falsification or failure to keep records or reports.

1. Section 34A-6-307 of the Act provides penalties for false information and recordkeeping.

2. Failure to maintain records or file reports required by this part, or in the details required by forms and instructions issued under this part, may result in the issuance of citations and assessment of penalties as provided for in Sections 34A-6-302 and 34A-6-307 of the Act.

K. Change of ownership.

Where an establishment has changed ownership, the employer shall be responsible for maintaining records and filing reports only for that period of the year during which he owned or operated such establishment. However, in the case of any change in ownership, the employer shall preserve those records, if any, of the prior ownership which are required to be kept under this Part. These records shall be retained at each establishment to which they relate, for the period or remainder thereof, required under R614-1-8.G.

L. Petitions for record-keeping exceptions.

1. Submission of petition. Any employer who wishes to maintain records in a manner different from that required by this part may submit a petition containing the information specified in R614-1-8.L.3. the Bureau of Labor Statistics of the U.S. Department of Labor.

2. Opportunity for comment. Affected employees or their representatives shall have an opportunity to submit written data, views, or arguments concerning the petition to the Administrator within 10 working days following the receipt of notice under R614-1-8.L.3.e.

3. Contents of petition. A petition filed under R614-1-8.L.1. shall include:

a. The name and address of the applicant;

b. The address of the places or employment involved.

c. Specifications of the reasons for seeking relief;

d. A description of the different record-keeping procedures which are proposed by the applicant;

e. A statement that the applicant has informed his affected employees of the petition by giving a copy thereof to them or to their authorized representative and by posting a statement giving a summary of the petition and by other appropriate means. A statement posted pursuant to this subparagraph shall be posted in each establishment in the same manner that notices are required to be posted under R614-1-7.B. The applicant shall also state that he has informed his affected employees of their rights under R614-1-8.L.2.

f. In the event an employer has more than one establishment he shall submit a list of the locations and the number of establishments in the state.

4. Additional notice, conferences.

a. In addition to the actual notice provided for in R614-1-8.L.3.e., the Administrator may provide such additional notice of the petition as he may deem appropriate.

b. The Administrator may also afford an opportunity to interested parties for informal conference or hearing concerning the petition.

5. Action. After review of the petition, and of any comments submitted in regard thereto, and upon completion of any necessary appropriate investigation concerning the petition, if the Administrator finds that the alternative procedure proposed will not hamper or interfere with the purposes of the Act and will provide equivalent information, he may grant the petition subject to such conditions as he may determine appropriate.

6. Publication. Whenever any relief is granted to an applicant under this Act, notice of such relief, and the reasons therefore, shall be published in accordance with Title 63, Chapter 46a, Utah Administrative Rulemaking Act. The U.S. Department of Labor shall have been consulted and approval given prior to the granting of relief by the Administrator.

7. Revocation. Whenever any relief under this rule is sought to be revoked for any failure to comply with the conditions thereof, and opportunity for informal hearing or conference shall be afforded to the employers and affected employees, or their representatives. Except in cases of willfulness or where public safety or health requires otherwise, before the commencement of any such informal proceeding, the employer shall:

a. Be notified in writing of the facts or conduct which may warrant the action; and

b. Be given an opportunity to demonstrate or achieve compliance.

8. Compliance after submission of a petition or any delay by the Administrator, in acting upon a petition shall not relieve any employer from any obligation to comply with this Part. However, the Administrator shall give notice of the denial of any petition within a reasonable time.

M. Description of statistical program.

1. Section 34A-6-108 of the Act directs the Administrator to develop and maintain a program of collection, compilation, and analysis of occupational safety and health statistics. The program shall consist of periodic surveys of occupational injuries and illnesses.

2. The sample design encompasses probability procedures, detailed stratification by industry and size, and a systematic selection within Stratification. Stratification and sampling will be carried out in order to provide the most efficient sample for eventual state estimates. Some industries will be sampled more heavily than others depending on the injury rate level based on previous experience. The survey should produce adequate estimates for most four-digit Standard Industrial Classification (SIC) industries in manufacturing and for three-digit classification (SIC) in non-manufacturing. Full cooperation with the U. S. Department of Labor in statistical programs is intended.

N. Duties of employers.

1. Upon receipt of an Occupational Injuries and Illnesses Survey Form, the employer shall promptly complete the form in accordance with the instructions contained therein, and return it in accordance with the aforesaid instructions.

2. Employers of employees engaged in physically dispersed operations such as occur in construction, installation, repair or service activities who do not report to any fixed establishment on a regular basis but are subject to common supervision may satisfy the provisions of R614-1-8.C., E., and G. with respect to such employees by:

a. Maintaining the required records for each operation or group of operations which is subject to common supervision (field superintendent, field supervisor, etc.) in an established central place;

b. Having the address and telephone number of the central place available at each work-site; and

c. Having personnel available at the central place during normal business hours to provide information from the records maintained there by telephone and by mail.

R614-1-9. Rules of Practice for Temporary or Permanent Variance from the Utah Occupational Safety and Health Standards. (Also Adopted and Published as Chapter XXIII of the Utah Occupational Safety and Health Field Operations Manual.)

A. Scope.

1. This rule contains Rules of Practice for Administrative procedures to grant variances and other relief under Section 34A-6-202 of the Act. General information pertaining to employer-employee rights, obligations and procedures are included.

B. Application for, or petition against Variances and other relief.

1. The applicable parts of Section 34A-6-202 of the Act shall govern application and petition procedure.

2. Any employer or class of employers desiring a variance from a standard must make a formal written request including the following information:

a. The name and address of applicant;

b. The address of the place or places of employment involved;

c. A specification of the standard or portion thereof from which the applicant seeks a variance;

d. A statement by the applicant, supported by opinions from qualified persons having first-hand knowledge of the facts of the case, that he is unable to comply with the standard or portion thereof and a detailed statement of the reasons therefore;

e. A statement of the steps the applicant has taken and will take, with specific dates where appropriate, to protect employees against the hazard covered by the existing standard;

f. A statement of when the applicant expects to be able to comply with the standard and of what steps he has taken and will take, with specific dates where appropriate, to come into compliance with the standards (applies to temporary variances);

g. A statement of the facts the applicant would show to establish that (applies to newly promulgated standards);

(1) The applicant is unable to comply with a standard by its effective date because of unavailability of professional or technical personnel or of materials and equipment needed to come into compliance with the standard or because necessary construction or alteration of facilities cannot be completed by the effective date;

(2) He is taking all available steps to safeguard his employees against the hazards covered by the standards; and

(3) He has an effective program for coming into compliance with the standard as quickly as practicable;

h. Any request for a hearing, as provided in this rule;

i. A statement that the applicant has informed his affected

employees of the application for variance by giving a copy thereof to their authorized representative, posting a summary statement of the application at the place or places where notices to employees are normally posted specifying where a copy may be examined; and

j. A description of how affected employees have been informed of their rights to petition the Administrator for a hearing.

3. The applicant shall designate the method he will use to safeguard his employees until a variance is granted or denied.

4. Whenever a proceeding on a citation or a related issue concerning a proposed penalty or period of abatement has been contested and is pending before an Administrative Law Judge or any subsequent review under the Administrative Procedures Act, until the completion of such proceeding, the Administrator may deny a variance application on a subject or an issue concerning a citation which has been issued to the employer.

C. Hearings.

1. The Administrator may conduct hearings upon application or petition in accordance with Section 34A-6-202(4) of the Act if:

a. Employee(s), the public, or other interested groups petition for a hearing; or

b. The Administrator deems it in the public or employee interest.

2. When a hearing is considered appropriate, the Administrator shall set the date, time, and place for such hearing. He shall provide timely notification to the applicant for variance and the petitioners. In the notice of hearing to the applicant, the applicant will be directed to notify his employees of the hearing.

3. Notice of hearings shall be published in the Administrative Rulemaking Bulletin. This shall include a statement that the application request may be inspected at the UOSH Division Office.

4. A copy of the Notification of Hearing along with other pertinent information shall be sent to the U.S. Department of Labor, Regional Administrator for OSHA.

D. Inspection for Variance Application.

1. A variance inspection will be required by the Administrator or his designee prior to final determination of either acceptance or denial.

2. A variance inspection is a single purpose, pre-announced, non-compliance inspection and shall include employee or employer representative participation or interview where necessary.

E. Interim order.

1. The purpose of an interim order is to permit an employer to proceed in a non-standard operation while administrative procedures are being completed. Use of this interim procedure is dependent upon need and employee safety.

2. Following a variance inspection, and after determination and assurance that employees are to be adequately protected, the Administrator may immediately grant, in writing, an interim order. To expedite the effect of the interim order, it may be issued at the work-site by the Administrator. The interim order will remain in force pending completion of the administrative promulgation action and the formal granting or denying of a temporary/permanent variance as requested.

F. Decision of the Administrator.

1. The Administrator may deny the application if:

a. It does not meet the requirements of paragraph R614-1-8.B.;

b. It does not provide adequate safety in the workplace for affected employees; or

c. Testimony or information provided by the hearing or inspection does not support the applicant's request for variance as submitted.

2. Letters of notification denying variance applications shall be sent to the applicant, and will include posting requirements to inform employees, affected associations, and employer groups.

a. A copy of correspondence related to the denial request shall be sent to the U.S. Department of Labor, Regional Administrator for OSHA.

b. The letter of denial shall be explicit in detail as to the reason(s) for such action.

3. The Administrator may grant the request for variances provided that:

a. Data supplied by the applicant, the UOSHA inspection and information and testimony affords adequate protection for the affected employee(s);

b. Notification of approval shall follow the pattern described in R614-1-9.C.2. and 3.;

c. Limitations, restrictions, or requirements which become part of the variance shall be documented in the letter granting the variance.

4. The Administrator's decision shall be deemed final subject to Section 34A-6-202(6).

G. Recommended Time Table for Variance Action.

1. Publication of agency intent to grant a variance. This includes public comment and hearing notification in the Utah Administrative Rulemaking Bulletin: within 30 days after receipt.

2. Public comment period: within 20 days after publication.

3. Public hearing: within 30 days after publication

4. Notification of U.S. Department of Labor Regional Administrator for OSHA: 10 days after agency publication of intent.

5. Final Order: 120 days after receipt of variance application if publication of agency intent is made.

6. Rejection of variance application without publication of agency intent: 20 days after receipt of application.

a. Notification of U.S. Department of Labor Regional Administrator for OSHA: 20 days after receipt of application.

H. Public Notice of Granted Variances, Tolerances, Exemptions, and Limitations.

1. Every final action granting variance, exemption, or limitation under this rule shall be published as required under Title 63, Chapter 46a, Utah Administrative Rulemaking Act, and the time table set forth in R614-1-9.G.

I. Acceptance of federally Granted Variances.

1. Where a variance has been granted by the U.S. Department of Labor, Occupational Safety and Health Administration, following Federal Promulgation procedures, the Administrator shall take the following action:

a. Compare the federal OSHA standard for which the

variance was granted with the equivalent UOSH standard.

b. Identify possible application in Utah.

c. If the UOSH standard under consideration for application of the variance has exactly or essentially the same intent as the federal standard and there is the probability of a multi-state employer doing business in Utah, then the Administrator shall accept the variance (as federally accepted) and promulgate it for Utah under the provisions of Title 63, Chapter 46a, Utah Administrative Rulemaking Act.

d. If the variance has no apparent application to Utah industry, or to a multi-state employer in Utah, or if it conflicts with Utah Legislative intent, or established policy or procedure, the federal variance shall not be accepted. In such case, the Regional Administrator will be so notified.

J. Revocation of a Variance.

1. Any variance (temporary or permanent) whether approved by the state or one accepted by State based on Federal approval, may be revoked by the Administrator if it is determined through on-site inspection that:

a. The employer is not complying with provisions of the variance as granted;

b. Adequate employee safety is not afforded by the original provisions of the variance; or

c. A more stringent standard has been promulgated, is in force, and conflicts with prior considerations given for employee safety.

2. A federally approved national variance may be revoked by the state for a specific work-site or place of employment within the state for reasons cited in R614-1-9.J.1. Such revocations must be in writing and give full particulars and reasons prompting the action. Full rights provided under the law, such as hearings, etc., must be afforded the employer.

3. Normally, permanent variances may be revoked or changed only after being in effect for at least six months.

K. Coordination.

1. All variances issued by the Administrator will be coordinated with the U.S. Department of Labor, OSHA to insure consistency and avoid improper unilateral action.

R614-1-10. Discrimination.

A. General.

1. The Act provides, among other things, for the adoption of occupational safety and health standards, research and development activities, inspections and investigations of work places, and record keeping requirements. Enforcement procedures initiated by the Commission; review proceedings as required by Title 63, Chapter 46b, Administrative Procedures Act; and judicial review are provided by the Act.

2. This rule deals essentially with the rights of employees afforded under section 34A-6-203 of the Act. Section 34A-6-203 of the Act prohibits reprisals, in any form, against employees who exercise rights under the Act.

3. The purpose is to make available in one place interpretations of the various provisions of Section 34A-6-203 of the Act which will guide the Administrator in the performance of his duties thereunder unless and until otherwise directed by authoritative decisions of the courts, or concluding, upon reexamination of an interpretation, that it is incorrect.

B. Persons prohibited from discriminating.

Section 34A-6-203 defines employee protections under the Act, because the employee has exercised rights under the Act. Section 34A-6-103(11) of the Act defines "person". Consequently, the prohibitions of Section 34A-6-203 are not limited to actions taken by employers against their own employees. A person may be chargeable with discriminatory action against an employee of another person. Section 34A-6-203 would extend to such entities as organizations representing employees for collective bargaining purposes, employment agencies, or any other person in a position to discriminate against an employee. (See, Meek v. United States, F. 2d 679 (6th Cir., 1943); Bowe v. Judson C. Burnes, 137 F 2d 37 (3rd Cir., 1943).)

C. Persons protected by section 34A-6-203.

1. All employees are afforded the full protection of Section 34A-6-203. For purposes of the Act, an employee is defined in Section 34A-6-103(6). The Act does not define the term "employ". However, the broad remedial nature of this legislation demonstrates a clear legislative intent that the existence of an employment relationship, for purposes of Section 34A-6-203, is to be based upon economic realities rather than upon common law doctrines and concepts. For a similar interpretation of federal law on this issue, see, U.S. v. Silk, 331 U.S. 704 (1947); Rutherford Food Corporation v. McComb, 331 U.S. 722 (1947).

2. For purposes of Section 34A-6-203, even an applicant for employment could be considered an employee. (See, NLRB v. Lamar Creamery, 246 F. 2d 8 (5th Cir., 1957).) Further, because Section 34A-6-203 speaks in terms of any employee, it is also clear that the employee need not be an employee of the discriminator. The principal consideration would be whether the person alleging discrimination was an "employee" at the time of engaging in protected activity.

3. In view of the definitions of "employer" and "employee" contained in the Act, employees of a State or political subdivision thereof would be within the coverage of Section 34A-6-203.

D. Unprotected activities distinguished.

1. Actions taken by an employer, or others, which adversely affect an employee may be predicated upon nondiscriminatory grounds. The proscriptions of Section 34A-6-203 apply when the adverse action occurs because the employee has engaged in protected activities. An employee's engagement in activities protected by the Act does not automatically render him immune from discharge or discipline for legitimate reasons, or from adverse action dictated by non-prohibited considerations. (See, NLRB v. Dixie Motor Coach Corp., 128 F. 2d 201 (5th Cir., 1942).)

2. To establish a violation of Section 34A-6-203, the employee's engagement in protected activity need not be the sole consideration behind discharge or other adverse action. If protected activity was a substantial reason for the action, or if the discharge or other adverse action would not have taken place "but for" engagement in protected activity, Section 34A-6-203 has been violated. (See, Mitchell v. Goodyear Tire and Rubber Co., 278 F. 2d 562 (8th Cir., 1960); Goldberg v. Bama Manufacturing, 302 F. 2d 152 (5th Cir., 1962).) Ultimately, the issue as to whether a discharge was because of protected activity will have to be determined on the basis of the facts in the

particular case.

E. Specific protections - complaints under or related to the Act.

1. Discharge of, or discrimination against an employee because the employee has filed "any complaint under or related to this Act" is prohibited by Section 34A-6-203. An example of a complaint made "under" the Act would be an employee request for inspection pursuant to Section 34A-6-301(6). However, this would not be the only type of complaint protected by Section 34A-6-203. The range of complaints "related to" the Act is commensurate with the broad remedial purposes of this legislation and the sweeping scope of its application, which entails the full extent of the commerce power. ((See Cong. Rec., vol. 116 P. 42206 December 17, 1970).)

2. Complaints registered with Federal agencies which have the authority to regulate or investigate occupational safety and health conditions are complaints "related to" this Act. Likewise, complaints made to State or local agencies regarding occupational safety and health conditions would be "related to" the Act. Such complaints, however, must relate to conditions at the workplace, as distinguished from complaints touching only upon general public safety and health.

3. Further, the salutary principles of the Act would be seriously undermined if employees were discouraged from lodging complaints about occupational safety and health matters with their employers. Such complaints to employers, if made in good faith, therefore would be related to the Act, and an employee would be protected against discharge or discrimination caused by a complaint to the employer.

F. Proceedings under or related to the act.

1. Discharge of, or discrimination against, any employee because the employee has exercised the employee's rights under or related to this Act is also prohibited by Section 34A-6-203. Examples of proceedings which would arise specifically under the Act would be inspections of work-sites under Section 34A-6-301 of the Act, employee contest of abatement date under Section 34A-6-303 of the Act, employee initiation of proceedings for promulgation of an occupational safety and health standard under Section 34A-6-202 of the Act and Title 63, Chapter 46a, employee application for modification of revocation of a variance under Section 34A-6-202(4)(c) of the Act and R614-1-9., employee judicial challenge to a standard under Section 34A-6-202(6) of the Act, and employee appeal of an order issued by an Administrative Law Judge, Commissioner, or Appeals Board under Section 34A-6-304. In determining whether a "proceeding" is "related to" the Act, the considerations discussed in R614-1-10.G. would also be applicable.

2. An employee need not himself directly institute the proceedings. It is sufficient if he sets into motion activities of others which result in proceedings under or related to the Act.

G. Testimony.

Discharge of, or discrimination against, any employee because the employee "has testified or is about to testify" in proceedings under or related to the Act is also prohibited by Section 34A-6-203. This protection would of course not be limited to testimony in proceedings instituted or caused to be instituted by the employee, but would extend to any statements given in the course of judicial, quasi-judicial, and administrative proceedings, including inspections, investigations, and administrative rulemaking or adjudicative functions. If the employee is giving or is about to give testimony in any proceeding under or related to the Act, he would be protected against discrimination resulting from such testimony.

H. Exercise of any right afforded by the Act.

1. In addition to protecting employees who file complaints, institute proceedings under or related to the Act it also prohibited by Section 34A-6-203 discrimination occurring because of the exercise "of any right afforded by this Act." Certain rights are explicitly provided in the Act; for example, there is a right to participate as a party in enforcement proceedings (34A-6-303). Certain other rights exist by necessary implications. For example, employees may request information from the Utah Occupational Safety and Health Administration; such requests would constitute the exercise of a right afforded by the Act. Likewise, employees interviewed by agents of the Administrator in the course of inspections or investigations could not subsequently be discriminated against because of their cooperation.

2. Review of the Act and examination of the legislative history discloses that, as a general matter, there is no right afforded by the Act which would entitle employees to walk off the job because of potential unsafe conditions at the workplace. Hazardous conditions which may be violative of the Act will ordinarily be corrected by the employer, once brought to his attention. If corrections are not accomplished, or if there is dispute about the existence of a hazard, the employee will normally have opportunity to request inspection of the workplace pursuant to Section 34A-6-301 of the Act, or to seek the assistance of other public agencies which have responsibility in the field of safety and health. Under such circumstances, therefore, an employer would not ordinarily be in violation of Section 34A-6-203 by taking action to discipline an employee for refusing to perform normal job activities because of alleged safety or health hazards.

a. Occasions might arise when an employee is confronted with a choice between not performing assigned tasks or subjecting himself to serious injury or death arising from a hazardous condition at the workplace. If the employee, with no reasonable alternative, refuses in good faith to expose himself to the dangerous condition, he would be protected against subsequent discrimination. The condition causing the employee's apprehension of death or injury must be of such a nature that a reasonable person, under the circumstances then confronting the employee, would conclude that there is a real danger of death or serious injury and that there is insufficient time, due to the urgency of the situation, to eliminate the danger through resort to regular statutory enforcement channels. In addition, in such circumstances, the employee, where possible, must also have sought from his employer, and been unable to obtain, a correction of the dangerous condition.

I. Procedures - Filing of complaint for discrimination.

1. Who may file. A complaint of Section 34A-6-203 discrimination may be filed by the employee himself, or by a representative authorized to do so on his behalf.

2. Nature of filing. No particular form of complaint is required.

3. Place of filing. Complaint should be filed with the

Administrator, Division of Occupational Safety and Health, Labor Commission, 160 East 300 South, Salt Lake City, Utah 84114-6650, Telephone 530-6901.

4. Time for filing.

a. Section 34A-6-203(2)(b) provides protection for an employee who believes that he has been discriminated against.

b. A major purpose of the 30-day period in this provision is to allow the Administrator to decline to entertain complaints which have become stale. Accordingly, complaints not filed within 30 days of an alleged violation will ordinarily be presumed to be untimely.

c. However, there may be circumstances which would justify tolling of the 30-day period on recognized equitable principles or because of strongly extenuating circumstances, e.g., where the employer has concealed, or misled the employee regarding the grounds for discharge or other adverse action; where the employee has, within the 30-day period, resorted in good faith to grievance-arbitration proceedings under a collective bargaining agreement or filed a complaint regarding the same general subject with another agency; where the discrimination is in the nature of a continuing violation. In the absence of circumstances justifying a tolling of the 30-day period, untimely complaints will not be processed.

J. Notification of administrator's determination.

The Administrator is to notify a complainant within 90 days of the complaint of his determination whether prohibited discrimination has occurred. This 90-day provision is considered directory in nature. While every effort will be made to notify complainants of the Administrator's determination within 90 days, there may be instances when it is not possible to meet the directory period set forth in this section.

K. Withdrawal of complaint.

Enforcement of the provisions of Section 34A-6-203 is not only a matter of protecting rights of individual employees, but also of public interest. Attempts by an employee to withdraw a previously filed complaint will not necessarily result in termination of the Administrator's investigation. The Administrator's jurisdiction cannot be foreclosed as a matter of law by unilateral action of the employee. However, a voluntary and uncoerced request from a complainant to withdraw his complaint will be given careful consideration and substantial weight as a matter of policy and sound enforcement procedure.

L. Arbitration or other agency proceedings.

1. An employee who files a complaint under Section 34A-6-203(2) of the Act may also pursue remedies under grievance arbitration proceedings in collective bargaining agreements. In addition, the complainant may concurrently resort to other agencies for relief, such as the National Labor Relations Board. The Administrator's jurisdiction to entertain Section 34A-6-203 complaints, to investigate, and to determine whether discrimination has occurred, is independent of the jurisdiction of other agencies or bodies. The Administrator may file action in district court regardless of the pendency of other proceedings.

2. However, the Administrator also recognizes the policy favoring voluntary resolution of disputes under procedures in collective bargaining agreements. (See, e.g., Boy's Market, Inc. v. Retail Clerks, 398 U.S. 235 (1970); Republic Steel Corp. v. Maddox, 379 U.S. 650 (1965); Carey v. Westinghouse Electric Co., 375 U.S. 261 (1964); Collier Insulated Wire, 192 NLRB No. 150 (1971).) By the same token, due deference should be paid to the jurisdiction of other forums established to resolve disputes which may also be related to Section 34A-6-203 complaints.

3. Where a complainant is in fact pursuing remedies other than those provided by Section 34A-6-203, postponement of the Administrator's determination and deferral to the results of such proceedings may be in order. (See, Burlington Truck Lines, Inc., v. U.S., 371 U.S. 156 (1962).)

4. Postponement of determination. Postponement of determination would be justified where the rights asserted in other proceedings are substantially the same as rights under Section 34A-6-203 and those proceedings are not likely to violate the rights guaranteed by Section 34A-6-203. The factual issues in such proceedings must be substantially the same as those raised by Section 34A-6-203 complaint, and the forum hearing the matter must have the power to determine the ultimate issue of discrimination. (See, Rios v. Reynolds Metals Co., F. 2d (5th Cir., 1972), 41 U.S.L.W. 1049 (October 10, 1972): Newman v. Avco Corp., 451 F. 2d 743 (6th Cir., 1971).)

5. Deferral to outcome of other proceedings. A determination to defer to the outcome of other proceedings initiated by a complainant must necessarily be made on a case-to-case basis, after careful scrutiny of all available information. Before deferring to the results of other proceedings, it must be clear that those proceedings dealt adequately with all factual issues, that the proceedings were fair, regular, and free of procedural infirmities, and that the outcome of the proceedings was not repugnant to the purpose and policy of the Act. In this regard, if such other actions initiated by a complainant are dismissed without adjudicative hearing thereof, such dismissal will not ordinarily be regarded as determinative of the Section 34A-6-203 complaint.

M. Employee refusal to comply with safety rules.

Employees who refuse to comply with occupational safety and health standards or valid safety rules implemented by the employer in furtherance of the Act are not exercising any rights afforded by the Act. Disciplinary measures taken by employers solely in response to employee refusal to comply with appropriate safety rules and regulations, will not ordinarily be regarded as discriminatory action prohibited by Section 34A-6-203. This situation should be distinguished from refusals to work, as discussed in R614-1-10.H.

R614-1-11. Rules of Agency Practice and Procedure Concerning UOSH Access to Employee Medical Records.

A. Policy.

UOSH access to employee medical records will in certain circumstances be important to the agency's performance of its statutory functions. Medical records, however, contain personal details concerning the lives of employees. Due to the substantial personal privacy interests involved, UOSH authority to gain access to personally identifiable employee medical information will be exercised only after the agency has made a careful determination of its need for this information, and only with appropriate safeguards to protect individual privacy. Once this information is obtained, UOSH examination and use of it will be limited to only that information needed to accomplish the purpose for access. Personally identifiable employee

medical information will be retained by UOSH only for so long as needed to accomplish the purpose for access, will be kept secure while being used, and will not be disclosed to other agencies or members of the public except in narrowly defined circumstances. This section establishes procedures to implement these policies.

B. Scope.

1. Except as provided in paragraphs R614-1-11.B.3. through 6. below, this rule applies to all requests by UOSH personnel to obtain access to records in order to examine or copy personally identifiable employee medical information, whether or not pursuant to the access provision of R614-1-12.D.

2. For the purposes of this rule, "personally identifiably employee medical information" means employee medical information accompanied by either direct identifiers (name, address, social security number, payroll number, etc.) or by information which could reasonably be used in the particular circumstances indirectly to identify specific employees (e.g., exact age, height, weight, race, sex, date of initial employment, job title, etc.).

3. This rule does not apply to UOSH access to, or the use of, aggregate employee medical information or medical records on individual employees which is not a personally identifiable form. This section does not apply to records required by R614-1-8 to death certificates, or to employee exposure records, including biological monitoring records defined by R614-1-3.M. or by specific occupational safety and health standards as exposure records.

4. This rule does not apply where UOSH compliance personnel conduct an examination of employee medical records solely to verify employer compliance with the medical surveillance record keeping requirements of an occupational safety and health standard, or with R614-1-12. An examination of this nature shall be conducted on-site and, if requested, shall be conducted under the observation of the record holder. The UOSH compliance personnel shall not record and take off-site any information from medical records other than documentation of the fact of compliance or non-compliance.

5. This rule does not apply to agency access to, or the use of, personally identifiable employee medical information obtained in the course of litigation.

6. This rule does not apply where a written directive by the Administrator authorizes appropriately qualified personnel to conduct limited reviews of specific medical information mandated by an occupational safety and health standard, or of specific biological monitoring test results.

7. Even if not covered by the terms of this rule, all medically related information reported in a personally identifiable form shall be handled with appropriate discretion and care befitting all information concerning specific employees. There may, for example, be personal privacy interests involved which militate against disclosure of this kind of information to the public.

C. Responsible persons.

1. UOSH Administrator. The Administrator of the Division of Occupational Safety and Health of the Labor Commission shall be responsible for the overall administration and implementation of the procedures contained in this rule, including making final UOSH determinations concerning:

a. Access to personally identifiable employee medical information, and

b. Inter-agency transfer or public disclosure of personally identifiable employee medical information.

2. UOSH Medical Records Officer. The Administrator shall designate a UOSH official with experience or training in the evaluation, use, and privacy protection of medical records to be the UOSH Medical Records Officer. The UOSH Medical Records Officer shall report directly to the Administrator on matters concerning this section and shall be responsible for:

a. Making recommendations to the Administrator as to the approval or denial of written access orders.

b. Assuring that written access orders meet the requirements of paragraphs R614-1-11.D.2. and 3. of this rule.

c. Responding to employee, collective bargaining agent, and employer objections concerning written access orders.

d. Regulating the use of direct personal identifiers.

e. Regulating internal agency use and security of personally identifiable employee medical information.

f. Assuring that the results of agency analyses of personally identifiable medical information are, where appropriate, communicated to employees.

g. Preparing an annual report of UOSH's experience under this rule.

h. Assuring that advance notice is given of intended inter-agency transfers or public disclosures.

3. Principal UOSH Investigator. The Principal UOSH Investigator shall be the UOSH employee in each instance of access to personally identifiable employee medical information who is made primarily responsible for assuring that the examination and use of this information is performed in the manner prescribed by a written access order and the requirements of this section. When access is pursuant to a written access order, the Principal UOSH Investigator shall be professionally trained in medicine, public health, or allied fields (epidemiology, toxicology, industrial hygiene, bio-statistics, environmental health, etc.)

D. Written access orders.

1. Requirement for written access order. Except as provided in paragraph R614-1-11.D.4. below, each request by a UOSH representative to examine or copy personally identifiable employee medical information contained in a record held by an employer or other record holder shall be made pursuant to a written access order which has been approved by the Administrator upon the recommendation of the UOSH Medical Records Officer. If deemed appropriate, a written access order may constitute, or be accompanied by an administrative subpoena.

2. Approval criteria for written access order. Before approving a written access order, the Administrator and the UOSH Medical Records Officer shall determine that:

a. The medical information to be examined or copied is relevant to a statutory purpose and there is a need to gain access to this personally identifiable information.

b. The personally identifiable medical information to be examined or copied is limited to only that information needed to accomplish the purpose for access, and

c. The personnel authorized to review and analyze the personally identifiable medical information are limited to those

who have a need for access and have appropriate professional qualifications.

3. Content of written access order. Each written access order shall state with reasonable particularity:

a. The statutory purposes for which access is sought.

b. The general description of the kind of employee medical information that will be examined and why there is a need to examine personally identifiable information.

c. Whether medical information will be examined on-site, and what type of information will be copied and removed off-site.

d. The name, address, and phone number of the Principal UOSH Investigator and the names of any other authorized persons who are expected to review and analyze the medical information.

e. The name, address, and phone number of the UOSH Medical Records Officer, and

f. The anticipated period of time during which UOSH expects to retain the employee medical information in a personally identifiable form.

4. Special situations. Written access orders need not be obtained to examine or copy personally identifiable employee medical information under the following circumstances:

a. Specific written consent. If the specific written consent of an employee is obtained pursuant to R614-1-12.D., and the agency or an agency employee is listed on the authorization as the designated representative to receive the medical information, then a written access order need not be obtained. Whenever personally identifiable employee medical information is obtained through specific written consent and taken off-site, a Principal UOSH Investigator shall be promptly named to assure protection of the information, and the UOSH Medical Records Officer shall be notified of this person's identity. The personally identifiable medical information obtained shall thereafter be subject to the use and security requirements of paragraphs R614-1-11.H.

b. Physician consultations. A written access order need not be obtained where a UOSH staff or contract physician consults with an employer's physician concerning an occupational safety or health issue. In a situation of this nature, the UOSH physician may conduct on-site evaluation of employee medical records in consultation with the employer's physician, and may make necessary personal notes of his or her findings. No employee medical records however, shall be taken off-site in the absence of a written access order or the specific written consent of an employee, and no notes of personally identifiable employee medical information made by the UOSH physician shall leave his or her control without the permission of the UOSH Medical Records Officer.

E. Presentation of written access order and notice to employees.

1. The Principal UOSH Investigator, or someone under his or her supervision, shall present at least two (2) copies each of the written access order and an accompanying cover letter to the employer prior to examining or obtaining medical information subject to a written access order. At least one copy of the written access order shall not identify specific employees by direct personal identifier. The accompanying cover letter shall summarize the requirements of this section and indicate that questions or objections concerning the written access order may be directed to the Principal UOSH Investigator or to the UOSH Medical Records Officer.

2. The Principal UOSH Investigator shall promptly present a copy of the written access order (which does not identify specific employees by direct personal identifier) and its accompanying cover letter to each collective bargaining agent representing employees whose medical records are subject to the written access order.

3. The Principal UOSH Investigator shall indicate that the employer must promptly post a copy of the written access order which does not identify specific employees by direct personal identifier, as well as post its accompanying cover letter.

4. The Principal UOSH Investigator shall discuss with any collective bargaining agent and with the employer the appropriateness of individual notice to employees affected by the written access order. Where it is agreed that individual notice is appropriate, the Principal UOSH Investigator shall promptly provide to the employer an adequate number of copies of the written access order (which does not identify specific employees by direct personal identifier) and its accompanying cover letter to enable the employer either to individually notify each employee or to place a copy in each employee's medical file.

F. Objections concerning a written access order. All employees, collective bargaining agents, and employer written objections concerning access to records pursuant to a written access order shall be transmitted to the UOSH Medical Records Officer. Unless the agency decides otherwise, access to the record shall proceed without delay notwithstanding the lodging of an objection. The UOSH Medical Records Officer shall respond in writing to each employee's and collective bargaining agent's written objection to UOSH access. Where appropriate, the UOSH Medical Records Officer may revoke a written access order and direct that any medical information obtained by it by returned to the original record holder or destroyed. The principal UOSH Investigator shall assure that such instructions by the UOSH Medical Records Officer are promptly implemented.

G. Removal of direct personal identifiers. Whenever employees medical information obtained pursuant to a written access order is taken off-site with direct personal identifiers included, the Principal UOSH Investigator shall, unless otherwise authorized by the UOSH Medical Records Officer, promptly separate all direct personal identifiers from the medical information, and code the medical information and the list of direct identifiers with a unique identifying number of each employee. The medical information with its numerical code shall thereafter be used and kept secured as though still in a directly identifiable form. The Principal UOSH Investigator shall also hand deliver or mail the list of direct personal identifiers with their corresponding numerical codes to the UOSH Medical Records Officer. The UOSH Medical Records Officer shall thereafter limit the use and distribution of the list of coded identifiers to those with a need to know its contents.

H. Internal agency use of personally identifiable employee medical information.

1. The Principal UOSH Investigator shall in each instance of access be primarily responsible for assuring that personally

identifiable employee medical information is used and kept secured in accordance with this section.

2. The Principal UOSH Investigator, the UOSH Medical Records Officer, the Administrator, and any other authorized person listed on a written access order may permit the examination or use of personally identifiable employee medical information by agency employees and contractors who have a need for access, and appropriate qualifications for the purpose for which they are using the information. No UOSH employee or contractor is authorized to examine or otherwise use personally identifiable employee medical information unless so permitted.

3. Where a need exists, access to personally identifiable employee medical information may be provided to attorneys in the office of the State Attorney General, and to agency contractors who are physicians or who have contractually agreed to abide by the requirements of this section and implementing agency directives and instructions.

4. UOSH employees and contractors are only authorized to use personally identifiable employee medical information for the purposes for which it was obtained, unless the specific written consent of the employee is obtained as to a secondary purpose, or the procedures of R614-1-11.D. through G. are repeated with respect to the secondary purpose.

5. Whenever practicable, the examination of personally identifiable employee medical information shall be performed on-site with a minimum of medical information taken off-site in a personally identifiable form.

I. Security procedures.

1. Agency files containing personally identifiable employee medical information shall be segregated from other agency files. When not in active use, files containing this information shall be kept secured in a locked cabinet or vault.

2. The UOSH Medical Records Officer and the Principal UOSH Investigator shall each maintain a log of uses and transfers of personally identifiable employee medical information and lists of coded direct personal identifiers, except as to necessary uses by staff under their direct personal supervision.

3. The photocopying or other duplication of personally identifiable employee medical information shall be kept to the minimum necessary to accomplish the purposes for which the information was obtained.

4. The protective measures established by this rule apply to all worksheets, duplicate copies, or other agency documents containing personally identifiable employee medical information.

5. Intra-agency transfers of personally identifiable employee medical information shall be by hand delivery, United States mail, or equally protective means. Inter-office mailing channels shall not be used.

J. Retention and destruction of records.

1. Consistent with UOSH records disposition programs, personally identifiable employee medical information and lists of coded direct personal identifiers shall be destroyed or returned to the original record holder when no longer needed for the purposes for which they were obtained.

2. Personally identifiable employee medical information which is currently not being used actively but may be needed for future use shall be transferred to the UOSH Medical Records Officer. The UOSH Medical Records Officer shall conduct an annual review of all centrally-held information to determine which information is no longer needed for the purposes for which it was obtained.

K. Results of an agency analysis using personally identifiable employee medical information.

1. The UOSH Medical Records Officer shall, as appropriate, assure that the results of an agency analysis using personally identifiable employee medical information are communicated to the employees whose personal medical information was used as a part of the analysis.

2. Annual report. The UOSH Medical Records Officer shall on an annual basis review UOSH's experience under this section during the previous year, and prepare a report to the UOSH Administrator which shall be made available to the public. This report shall discuss:

a. The number of written access orders approved and a summary of the purposes for access;

b. The nature and disposition of employee; collective bargaining agent, and employer written objections concerning UOSH access to personally identifiable employee medical information; and

c. The nature and disposition of requests for inter-agency transfer or public disclosure of personally identifiable employee medical information.

L. Inter-agency transfer and public disclosure.

1. Personally identifiable employee medical information shall not be transferred to another agency or office outside of UOSH (other than to The Attorney General's Office) or disclosed to the public (other than to the affected employee or the original record holder) except when required by law or when approved by the Administrator.

2. Except as provided in paragraph R614-1-11.L.3. below, the Administrator shall not approve a request for an inter-agency transfer of personally identifiable employee medical information, which has not been consented to by the affected employees, unless the request is by a public health agency which:

a. Needs the requested information in a personally identifiable form for a substantial public health purpose;

b. Will not use the requested information to make individual determinations concerning affected employees which could be to their detriment;

c. Has regulations or established written procedures providing protection for personally identifiable medical information substantially equivalent to that of this section; and

d. Satisfies an exemption to the Privacy Act to the extent that the Privacy Act applies to the requested information (See 5 U.S.C. 552a(b); 29 CFR 70a.3).

3. Upon the approval of the Administrator, personally identifiable employee medical information may be transferred to:

a. The National Institute for Occupational Safety and Health (NIOSH).

b. The Department of Justice when necessary with respect to a specific action under the federal Occupational Safety and Health Act of 1970 and Utah Occupational Safety and Health Act of 1973.

4. The Administrator shall not approve a request for public disclosure of employee medical information containing direct personal identifiers unless there are compelling circumstances affecting the health or safety of an individual.

5. The Administrator shall not approve a request for public disclosure of employee medical information which contains information which could reasonably be used indirectly to identify specific employees when the disclosure would constitute a clearly unwarranted invasion of personal privacy.

6. Except as to inter-agency transfers to NIOSH or the State Attorney General's Office, the UOSH Medical Records Officer shall assure that advance notice is provided to any collective bargaining agent representing affected employees and to the employer on each occasion that UOSH intends to either transfer personally identifiable employee medical information to another agency or disclose it to a member of the public other than to an affected employee. When feasible, the UOSH Medical Records Officer shall take reasonable steps to assure that advance notice is provided to affected employees when the employee medical information to be released or disclosed contains direct personal identifiers.

M. Effective date.

This rule shall become effective on January 15, 1981.

R614-1-12. Access to Employee Exposure and Medical Records.

A. Purpose.

To provide employees and their designated representatives a right of access to relevant exposure and medical records, and to provide representatives of the Administrator a right of access to these records in order to fulfill responsibilities under the Utah Occupational Safety and Health Act. Access by employees, their representatives, and the Administrator is necessary to yield both direct and indirect improvements in the detection, treatment, and prevention of occupational disease. Each employer is responsible for assuring compliance with this Rule, but the activities involved in complying with the access to medical records provisions can be carried out, on behalf of the employer, by the physician or other health care personnel in charge of employee medical records. Except as expressly provided, nothing in this Rule is intended to affect existing legal and ethical obligations concerning the maintenance and confidentiality of employee medical information, the duty to disclose information to a patient/employee or any other aspect of the medical-care relationship, or affect existing legal obligations concerning the protection of trade secret information.

B. Scope.

1. This rule applies to each general industry, maritime, and construction employer who makes, maintains, contracts for, or has access to employee exposure or medical records, or analyses thereof, pertaining to employees exposed to toxic substances or harmful physical agents.

2. This rule applies to all employee exposure and medical records, and analyses thereof, of employees exposed to toxic substances or harmful physical agents, whether or not the records are related to specific occupational safety and health standards.

3. This rule applies to all employee exposure and medical records, and analyses thereof, made or maintained in any manner, including on an in-house or contractual (e.g., fee-for-service) basis. Each employer shall assure that the preservation and access requirements of this rule are complied with regardless of the manner in which records are made or maintained.

C. Preservation of records.

1. Unless a specific occupational safety and health standard provides a different period of time, each employer shall assure the preservation and retention of records as follows:

a. Employee medical records. Each employee medical record shall be preserved and maintained for a least the duration of employment plus thirty (30) years, except that health insurance claims records maintained separately from the employer's medical program and its records need not be retained for any specified period.

b. Employee exposure records. Each employee exposure record shall be preserved and maintained for at least thirty (30) years, except that:

(1) Background data to environmental (workplace) monitoring or measuring, such a laboratory reports and worksheets, need only be retained for one (1) year so long as the sampling results, the collection methodology (sampling plan), a description of the analytical and mathematical methods used, and a summary of other background data relevant to interpretation of the results obtained, are retained for at least thirty (30) years; and

(2) Material safety data sheets and paragraph R614-1-3.M.4. records concerning the identity of a substance or agent need not be retained for any specified period as long as some record of the identity (chemical name if known) of the substance or agent, where it was used, and when it was used is retained for at least thirty (30) years; and

c. Analyses using exposure or medical records. Each analysis using exposure or medical records shall be preserved and maintained for at least thirty (30) years.

2. Nothing in this rule is intended to mandate the form, manner, or process by which an employer preserves a record so long as the information contained in the record is preserved and retrievable, except that X-ray films shall be preserved in their original state.

D. Access to records.

1. Whenever an employee or designated representative requests access to a record, the employer shall assure that access is provided in a reasonable time, place, and manner, but in no event later than fifteen (15) days after the request for access is made.

2. Whenever an employee or designated representative requests a copy of a record, the employer shall, within the period of time previously specified, assure that either:

a. A copy of the record is provided without cost to the employee or representative;

b. The necessary mechanical copying facilities (e.g., photocopying) are made available without cost to the employee or representative for copying the record; or

c. The record is loaned to the employee or representative for a reasonable time to enable a copy to be made.

3. Whenever a record has been previously provided without cost to an employee or designated representative, the

employer may charge reasonable, non-discriminatory administrative costs (i.e., search and copy expenses but not including overhead expenses) for a request by the employee or designated representative for additional copies of the record, except that:

a. An employer shall not charge for an initial request for a copy of new information that has been added to a record which was previously provided; and

b. An employer shall not charge for an initial request by a recognized or certified collective bargaining agent for a copy of an employee exposure record or an analysis using exposure or medical records.

4. Nothing in this rule is intended to preclude employees and collective bargaining agents from collectively bargaining to obtain access to information in addition to that available under this rule.

5. Employee and designated representative access.

a. Employee exposure records. Each employer shall, upon request, assure the access of each employee and designated representative to employee exposure records relevant to the employee. For the purpose of this rule exposure records relevant to the employee consist of:

(1) Records of the employee's past or present exposure to toxic substances or harmful physical agents,

(2) Exposure records of other employees with past or present job duties or working conditions related to or similar to those of the employee,

(3) Records containing exposure information concerning the employee's workplace or working conditions, and

(4) Exposure records pertaining to workplaces or working conditions to which the employee is being assigned or transferred.

b. Employee medical records.

(1) Each employer shall, upon request, assure the access of each employee to employee medical records of which the employee is the subject, except as provided in R614-1-12.D.4.

(2) Each employer shall, upon request, assure the access of each designated representative to the employee medical records of any employee who has given the designated representative specific written consent. R614-1-12A., Appendix A to R614-1-12., contains a sample form which may be used to establish specific written consent for access to employee medical records.

(3) Whenever access to employee medical records is requested, a physician representing the employer may recommend that the employee or designated representative:

(a) Consult with the physician for the purposes of reviewing and discussing the records requested;

(b) Accept a summary of material facts and opinions in lieu of the records requested;, or

(c) Accept release of the requested records only to a physician or other designated representative.

(4) Whenever an employee requests access to his or her employee medical records, and a physician representing the employer believes that direct employee access to information contained in the records regarding a specific diagnosis of a terminal illness or a psychiatric condition could be detrimental to the employees health, the employer may inform the employee that access will only be provided to a designated representative of the employee having specific written consent, and deny the employee's request for direct access to this information only. Where a designated representative with specific written consent requests access to information so withheld, the employer shall assure the access of the designated representative to this information, even when it is known that the designated representative will give the information to the employee.

(5) Nothing in this rule precludes physician, nurse, or other responsible health care personnel maintaining employee medical records from deleting from requested medical records the identity of a family member, personal friend, or fellow employee who has provided confidential information concerning an employee's health status.

c. Analysis using exposure or medical records.

(1) Each employer shall, upon request, assure the access of each employee and designated representative to each analysis using exposure or medical records concerning the employee's working conditions or workplace.

(2) Whenever access is requested to an analysis which reports the contents of employee medical records by either direct identifier (name, address, social security number, payroll number, etc.) or by information which could reasonably be used under the circumstances indirectly to identify specific employees (exact age, height, weight, race, sex, date of initial employment, job title, etc.) the employer shall assure that personal identifiers are removed before access is provided. If the employer can demonstrate that removal of personal identifiers from an analysis is not feasible, access to the personally identifiable portions of analysis need not be provided.

(3) UOSH access.

(a) Each employer shall, upon request, assure the immediate access of representatives of the Administrator to employee exposure and medical records and to analysis using exposure or medical records. Rules of agency practice and procedure governing UOSH access to employee medical records are contained in R614-1-8.

(b) Whenever UOSH seeks access to personally identifiable employee medical information by presenting to the employer a written access order pursuant to R614-1-8, the employer shall prominently post a copy of the written access order and its accompanying cover letter for at least fifteen (15) working days.

E. Trade Secrets.

1. Except as provided in paragraph R614-1-12.E.2., nothing in this rule precludes an employer from deleting from records requested by an employee or designated representative any trade secret data which discloses manufacturing processes, or discloses the percentage of a chemical substance in a mixture, as long as the employee or designated representative is notified that information has been deleted. Whenever deletion of trade secret information substantially impairs evaluation of the place where or the time when exposure to a toxic substance or harmful physical agent occurred, the employer shall provide alternative information which is sufficient to permit the employee to identify where and when exposure occurred.

2. Notwithstanding any trade secret claims, whenever access to records is requested, the employer shall provide access to chemical or physical agent identities including chemical names, levels of exposure, and employee health status data

contained in the requested records.

3. Whenever trade secret information is provided to an employee or designated representative, the employer may require, as a condition of access, that the employee or designated representative agree in writing not to use the trade secret information for the purpose of commercial gain and not to permit misuse of the trade secret information by a competitor or potential competitor of the employer.

F. Employee information.

1. Upon an employee's first entering into employment, and at least annually thereafter, each employer shall inform employees exposed to toxic substances or harmful physical agents of the following;

a. The existence, location, and availability of any records covered by this rule;

b. The person responsible for maintaining and providing access to records; and

c. Each employee's right of access to these records.

2. Each employer shall make readily available to employees a copy of this rule and its appendices, and shall distribute to employees any informational materials concerning this rule which are made available to the employer by the Administrator.

G. Transfer of Records

1. Whenever an employer is ceasing to do business, the employer shall transfer all records subject to this Rule to the successor employer. The successor employer shall receive and maintain these records.

2. Whenever an employer is ceasing to do business and there is no successor employer to receive and maintain the records subject to this standard, the employer shall notify affected employees of their rights of access to records at least three (3) months prior to the cessation of the employer's business.

3. Whenever an employer either is ceasing to do business and there is no successor employer to receive and maintain the records, or intends to dispose of any records required to be preserved for at least thirty (30) years, the employer shall:

a. Transfer the records to the Director of the National Institute for Occupational Safety and Health (NIOSH) if so required by a specific occupational safety and health standard; or

b. Notify the Director of NIOSH in writing of the impending disposal of records at least three (3) months prior to the disposal of the records.

4. Where an employer regularly disposes of records required to be preserved for at least thirty (30) years, the employer may, with at least (3) months notice, notify the Director of NIOSH on an annual basis of the records intended to be disposed of in the coming year.

a. Appendices. The information contained in the appendices to this rule is not intended, by itself, to create any additional obligations not otherwise imposed by this rule nor detract from any existing obligation.

H. Effective date. This rule shall become effective on December 5, 1980. All obligations of this rule commence on the effective date except that the employer shall provide the information required under R614-1-12.F.1. to all current employees within sixty (60) days after the effective date.

R614-1-12A. Appendix A to R614-1-12 SAMPLE.

Authorization letter for the Release of Employee Medical Record Information to Designated Representative.

I, (full name of worker/patient), hereby authorize (individual or organization holding the medical records), to release to (individual or organization authorized to receive the medical information), the following medical information from my personal medical records: (Describe generally the information desired to be released).

I give my permission for this medical information to be used for the following purpose: ....., but I do not give permission for any other use or re-disclosure of this information.

(Note---Several extra lines are provided below so that you can place additional restrictions on this authorization letter if you want to. You may, however, leave these lines blank. On the other hand, you may want to (1) specify a particular expiration date for this letter (if less than one year): (2) describe medical information to be created in the future that you intend to be covered by this authorization letter, or (3) describe portions of the medical information in you records which you do not intend to be released as a result of this letter.)

Full name of Employee or Legal Representative

Signature of Employee or Legal Representative

Date of Signature

R614-1-12B. Appendix B to R614-1-12 Availability of NIOSH Registry of Toxic Effects of Chemical Substances (RTECS).

R614-1-12 applies to all employee exposure and medical records, and analysis thereof, of employees exposed to toxic substances or harmful physical agents (see R614-1-12.B.2.). The term "toxic substance" or "harmful physical agent" is defined by paragraph R614-1-3.FF. to encompass chemical substances, biological agents, and physical stresses for which there is evidence of harmful health effects. The standard uses the latest printed edition of the National Institute for Occupational Safety and Health (NIOSH) Registry of Toxic Effects of Chemical Substances (RTECS) as one of the chief sources of information as to whether evidence of harmful health effects exists. If a substance is listed in the latest printed RTECS, the standard applies to exposure and medical records (and analysis of these records) relevant to employees exposed to the substances.

It is appropriate to note that the final standard does not require that employers purchase a copy of RTECS and many employers need not consult RTECS to ascertain whether their employee exposure or medical records are subject to the standard. Employers who do not currently have the latest printed edition of the NIOSH RTECS, however, may desire to obtain a copy. The RTECS is issued in an annual printed edition as mandated by Rule 20(a)(6) of the Occupational Safety and Health Act (29 U.S.C. 669 (a)(6)). The 1978 edition is the most recent printed edition as of May 1, 1980. Its Forward and Introduction describes the RTECS as follows:

"The annual publication of a list of known toxic substances is a NIOSH mandate under the Occupational Safety and Health Act of 1970. It is intended to provide basic information on the known toxic and biological effects of chemical substances for the use of employers, employees, physicians, industrial

hygienists, toxicologists, researchers, and, in general, anyone concerned with the proper and safe handling of chemicals. In turn, this information may contribute to a better understanding of potential occupational hazards by everyone involved and ultimately may help to bring about a more healthful workplace environment.

"This registry contains 142,247 listings of chemical substances: 33,929 are names of different chemicals with their associated toxicity data and 90,318 are synonyms. This edition includes approximately 7,500 new chemical compounds that did not appear in the 1977 Registry.

"The Registry's purposes are many, and it serves a variety of users. It is a single source document for basic toxicity information and for other data, such as chemical identifiers and information necessary for the preparation of safety directives and hazard evaluations for chemical substances. The various types of toxic effects linked to literature citations provide researchers and occupational health scientists with an introduction to the toxicological literature, making their own review of the toxic hazards of a given substance easier. By presenting data on the lowest reported doses that produce effects by several routes of entry in various species, the Registry furnishes valuable information to those responsible for preparing safety data sheets for chemical substances in the workplace. Chemical and production engineers can use the Registry to identify the hazards which may be associated with chemical intermediates in the development of final products, and thus can more readily select substitutes or alternate processes which may be less hazardous.

"In this edition of the Registry, the editors intend to identify "all known toxic substances" which may exist in the environment and to provide pertinent data on the toxic effects from known does entering an organism by any route described. Data may be used for the evaluation of chemical hazards in the environment, whether they be in the workplace, recreation area, or living quarters.

"It must be reemphasized that the entry of a substance in the Registry does not automatically mean that it must be avoided. A listing does mean, however, that the substance has the documented potential of being harmful if misused, and care must be exercised to prevent tragic consequences."

The RTECS 1978 printed edition may be purchased for $13.00 from the Superintendent of Documents, U.S. Government Printing Office (GPO), Washington, D.C. 20402 (202-783-3238) (GPO Stock No. 017-033-00346-7). The 1979 printed edition is anticipated to be issued in the summer of 1980. Some employers may also desire to subscribe to the quarterly update to the RTECS which is published in a microfiche edition. An annual subscription to the quarterly microfiche may be purchase from the GPO for $14.00 (Order the "Microfiche Edition. Registry of Toxic Effects of Chemical Substances"). Both the printed edition and the microfiche edition of RTECS are available for review at many university and public libraries throughout the country. The latest RTECS editions may also be examined at OSHA Technical Data Center, Room N2439-Rear, United States Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210 (202-523-9700), or any OSHA Regional or Area Office (See major city telephone directories under United States Government-Labor Department).

KEY: safety
October 16, 2001 **34A-6**

R616. Labor Commission, Safety.
R616-2. Boiler and Pressure Vessel Rules.
R616-2-1. Authority.

This rule is established pursuant to Title 34A, Chapter 7 for the purpose of establishing reasonable safety standards for boilers and pressure vessels to prevent exposure to risks by the public and employees.

R616-2-2. Definitions.

A. "ASME" means the American Society of Mechanical Engineers.

B. "Boiler inspector" means a person who is an employee of:

1. The Division who is authorized to inspect boilers and pressure vessels by having met nationally recognized standards of competency and having received the Commission's certificate of competency; or

2. An insurance company writing boiler and pressure vessel insurance in Utah who is deputized to inspect boilers and pressure vessels by having met nationally recognized standards of competency, receiving the Commission's certificate of competency, and having paid a certification fee.

C. "Commission" means the Labor Commission created in Section 34A-1-103.

D. "Division" means the Division of Safety of the Labor Commission.

E. "National Board" means the National Board of Boiler and Pressure Vessel Inspectors.

F. "Nonstandard" means a boiler or pressure vessel that does not bear ASME and National Board stamping and registration.

G. "Owner/user agency" means any business organization operating pressure vessels in this state that has a valid owner/user certificate from the Commission authorizing self-inspection of unfired pressure vessels by its owner/user agents, as regulated by the Commission, and for which a fee has been paid.

H. "Owner/user agent" means an employee of an owner/user agency who is authorized to inspect unfired pressure vessels by having met nationally recognized standards of competency, receiving the Commission's certificate of competency, and having paid a certification fee.

R616-2-3. Safety Codes and Rules for Boilers and Pressure Vessels.

The following safety codes and rules shall apply to all boilers and pressure vessels in Utah, except those exempted pursuant to Section 34A-7-101, and are incorporated herein by this reference in this rule.

A. ASME Boiler and Pressure Vessel Code (1998).

1. Section I Rules for Construction of Power Boilers and the 2000 Addenda, published July 1, 2000.

2. Section IV Rules for Construction of Heating Boilers and the 2000 Addenda, published July 1, 2000.

3. Section VIII Rules for Construction of Pressure Vessels and the 2000 Addenda, published July 1, 2000.

B. Power Piping ASME B31.1 (1998) and the ASME B31.1b-2000 Addenda, issued September 15, 2000.

C. Controls and Safety Devices for Automatically Fired Boilers ASME CSD-1-1998 and the ASME CSD-1a-1999 addenda, issued March 10, 2000.

D. National Board Inspection Code ANSI/NB-23 (1998); the 1999 NBIC Addendum, published December 31, 1999, and the 2000 Addendum, published January 8, 2001.

E. Standard for the Prevention of Furnace Explosions/Implosions in Single Burner Boilers, NFPA 8501 (1997).

F. Standard for the Prevention of Furnace Explosions/Implosions in Multiple Burner Boilers, NFPA 8502 (1995).

G. Recommended Administrative Boiler and Pressure Vessel Safety Rules and Regulations NB-132 Rev. 4.

H. Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair and Alteration API 510 (1997); the 1998 Addenda, published December 1998, and Addendum 2, published December 2000.

R616-2-4. Quality Assurance for Boilers, Pressure Vessels and Power Piping.

A. Consistent with the requirements of the Commission and its predecessor agency since May 1, 1978, all boilers and pressure vessels installed on or after May 1, 1978 shall be registered with the National Board and the data plate must include the National Board number.

B. Pursuant to Section 34A-7-102(2), any boiler or pressure vessel of special design must be approved by the Division to ensure it provides a level of safety equivalent to that contemplated by the Boiler and Pressure Vessel Code of the ASME. Any such boiler or pressure vessel must thereafter be identified by a Utah identification number provided by the Division.

C. All steam piping, installed after May 1, 1978, which is external (from the boiler to the first stop valve for a single boiler and the second stop valve in a battery of two or more boilers having manhole openings) shall comply with Section 1 of the ASME Boiler and Pressure Vessel Code or ASME B31.1 Power Piping as applicable.

D. Nonstandard boilers or pressure vessels installed in Utah before July 1, 1999 may be allowed to continue in operation provided the owner can prove the equivalence of its design to the requirements of the ASME Boiler and Pressure Vessel Code. Nonstandard boilers or pressure vessels may not be relocated or moved.

E. Effective July 1, 1999, all boiler and pressure vessel repairs or alterations must be performed by an organization holding a valid Certificate of Authorization to use the "R" stamp from the National Board. Repairs to pressure relief valves shall be performed by an organization holding a valid Certificate of Authorization to use the "VR" stamp from the National Board.

R616-2-5. Code Applicability.

A. The safety codes which are applicable to a given boiler or pressure vessel installation are the latest versions of the codes in effect at the time the installation commenced.

B. If a boiler or pressure vessel is replaced, this is considered a new installation.

C. If a boiler or pressure vessel is relocated to another location or moved in its existing location, this is considered a

new installation.

R616-2-6. Variances to Code Requirements.

A. In a case where the Division finds that the enforcement of any code would not materially increase the safety of employees or general public, and would work undue hardships on the owner or user, the Division may allow the owner or user a variance pursuant to Section 34A-7-102. Variances must be in writing to be effective, and can be revoked after reasonable notice is given in writing.

B. Persons who apply for a variance to a safety code requirement must present the Division with the rationale as to how their boiler or pressure vessel installation provides safety equivalent to the safety code.

C. No errors or omissions in these codes shall be construed as permitting any unsafe or unsanitary condition to exist.

R616-2-7. Boiler and Pressure Vessel Compliance Manual.

A. The Division shall develop and issue a safety code compliance manual for organizations and personnel involved in the design, installation, operation and maintenance of boilers and pressure vessels in Utah.

B. This compliance manual shall be reviewed annually for accuracy and shall be re-issued on a frequency not to exceed two years.

C. If a conflict exists between the Boiler and Pressure Vessel compliance manual and a safety code adopted in R616-2-3, the code requirements will take precedence.

R616-2-8. Inspection of Boilers and Pressure Vessels.

A. It shall be the responsibility of the Division to make inspections of all boilers or pressure vessels operated within its jurisdiction, when deemed necessary or appropriate.

B. Boiler inspectors shall examine conditions in regards to the safety of the employees, public, machinery, ventilation, drainage, and into all other matters connected with the safety of persons using each boiler or pressure vessel, and when necessary give directions providing for the safety of persons in or about the same. The owner or user is required to freely permit entry, inspection, examination and inquiry, and to furnish a guide when necessary. In the event an internal inspection of a boiler or pressure vessel is required the owner or user shall, at a minimum, prepare the boiler or pressure vessel by meeting the requirements of 29 CFR Part 1910.146 "Permit Required Confined Spaces" and 29 CFR Part 1910.147 "Control of Hazardous Energy (Lockout/Tagout)".

C. If the Division finds a boiler or pressure vessel complies with the safety codes and rules, the owner or user shall be issued a Certificate of Inspection and Permit to Operate.

D. If the Division finds a boiler or pressure vessel is not being operated in accordance with safety codes and rules, the owner or user shall be notified in writing of all deficiencies and shall be directed to make specific improvements or changes as are necessary to bring the boiler or pressure vessel into compliance.

E. Pursuant to Sections 34A-1-104, 34A-2-301 and 34A-7-102, if the improvements or changes to the boiler or pressure vessel are not made within a reasonable time, the boiler or pressure vessel is being operated unlawfully.

F. If the owner or user refuses to allow an inspection to be made, the boiler or pressure vessels is being operated unlawfully.

G. If the owner or user refuses to pay the required fee, the boiler or pressure vessel is being operated unlawfully.

H. If the owner or user operates a boiler or pressure vessel unlawfully, the Commission may order the boiler or pressure vessel operation to cease pursuant to Sections 34A-1-104 and 34A-7-103.

I. If, in the judgment of a boiler inspector, the lives or safety of employees or public are or may be endangered should they remain in the danger area, the boiler inspector shall direct that they be immediately withdrawn from the danger area, and the boiler or pressure vessel be removed from service until repairs have been made and the boiler or pressure vessel has been brought into compliance.

J. An owner/user agency may conduct self inspection of its own unfired pressure vessels with its own employees who are owner/user agents under procedures and frequencies established by the Division.

R616-2-9. Fees.

Fees to be charged as required by Section 34A-7-104 shall be adopted by the Labor Commission and approved by the Legislature pursuant to Section 63-38-3(2).

R616-2-10. Notification of Installation, Revision, or Repair.

A. Before any boiler covered by this rule is installed or before major revision or repair, particularly welding, begins on a boiler or pressure vessel, the Division must be advised at least one week in advance of such installation, revision, or repair unless emergency dictates otherwise.

B. It is recommended that a business organization review its plans for purchase and installation, or of revision or repair, of a boiler or pressure vessel well in advance with the Division to ensure meeting code requirements upon finalization.

R616-2-11. Initial Agency Action.

Issuance or denial of a Certificate of Inspection and Permit to Operate by the Division, and orders or directives to make changes or improvements by the boiler inspector are informal adjudicative actions commenced by the agency per Section 63-46b-3.

R616-2-12. Presiding Officer.

The boiler inspector is the presiding officer referred to in Section 63-46b-3. If an informal hearing is requested pursuant to R616-2-10, the Commission shall appoint the presiding officer for that hearing.

R616-2-13. Request for Informal Hearing.

Within 30 days of issuance, any aggrieved person may request an informal hearing regarding the reasonableness of a permit issuance or denial or an order to make changes or improvements. The request for hearing shall contain all information required by Sections 63-46b-3(a) and 63-46b-3(3).

R616-2-14. Classification of Proceeding for Purpose of Utah Administrative Procedures Act.

Any hearing held pursuant to R616-2-13 shall be informal and pursuant to the procedural requirements of Section 63-46b-5 and any agency review of the order issued after the hearing shall be per Section 63-46b-13. An informal hearing may be converted to a formal hearing pursuant to Section 63-46b-4(3).

KEY: boilers*, certification, safety
October 16, 2001 34A-7-101 et seq.
Notice of Continuation February 5, 1997

R649. Natural Resources; Oil, Gas and Mining; Oil and Gas.
R649-3. Drilling and Operating Practices.
R649-3-1. Bonding.

1. An owner or operator shall furnish a bond to the division prior to approval of a permit to drill a new well, reenter an abandoned well or assume responsibility as operator of existing wells.

1.1. An owner or operator shall furnish a bond to the division on Form 4, for wells located on lands with fee or privately owned minerals.

1.2. An owner or operator shall furnish evidence to the division that a bond has been filed in accordance with state, federal or Indian lease requirements and approved by the appropriate agency for all wells located on state, federal or Indian leases.

2. A bond furnished to the division shall be payable to the division and conditioned upon the faithful performance by the operator of the duty to plug each dry or abandoned well, repair each well causing waste or pollution, and maintain and restore the well site.

3. Bond coverage previously established by an operator of existing wells shall be considered adequate by the division upon the adoption of these rules. In the future, bond coverage for drilling, or reentering a well or for a replacement bond if required for any reason, shall be considered in accordance with these rules.

4. Bond liability shall be for the duration of the drilling, operating and plugging of the well and restoration of the well site.

4.1. The bond shall remain in full force and effect until liability thereunder is released by the division.

4.2. Release of liability shall be conditioned upon compliance with the rules and orders of the board.

5. The bond amount for wells located on lands with fee or privately owned minerals shall be one of the following:

5.1. For wells of less than 1,000 feet in depth, an individual well bond in the amount of $1,000, for each such well.

5.2. For wells of more that 1,000 feet in depth but less than 3,000 feet in depth, an individual well bond in the amount of $10,000 for each such well.

5.3. For wells of more that 3,000 feet in depth but less than 10,000 feet in depth, an individual well bond in the amount of $20,000 for each such well.

5.4. For wells of more than 10,000 feet in depth, an individual well bond in the amount of $40,000 for each such well.

6. If an operator is drilling or operating more than one well on lands with fee or privately owned minerals, a blanket bond may be furnished in lieu of individual well bonds.

6.1. A blanket bond shall be conditioned in a manner similar to individual well bonds and shall cover all wells that the operator may drill or operate on lands with fee or privately owned minerals within the state.

6.2. For wells of less than 1,000 feet in depth, a blanket bond in the amount of $10,000 shall be required.

6.3. For wells of more than 1,000 feet in depth, a blanket bond in the amount of $80,000 shall be required.

7. If an operator desires bond coverage in a lesser amount than required by these rules, the operator may file a Request for Agency Action with the board for a variance from the requirements of these rules.

7.1. Upon proper notice and hearing and for good cause shown, the board may allow bond coverage in a lesser amount for specific wells.

8. If after reviewing an application to drill or reenter a well, the division determines that bond coverage in accordance with these rules will be insufficient to cover the costs of plugging the well and restoring the well site, the division may request a hearing before the board for its consideration of a greater bond coverage.

8.1 Upon proper notice and hearing and for good cause shown, the board may allow bond coverage in a greater amount for specific wells.

9. The bond shall provide a mechanism for the surety or other guarantor of the bond, to provide prompt notice to the division and the operator of any action alleging the insolvency or bankruptcy of the surety or guarantor, or alleging any violations which would result in suspension or revocation of the surety's or guarantor's charter or license to do business.

9.1. Upon the incapacity of the surety or guarantor to guarantee payment of the bond by reason of bankruptcy, insolvency, or suspension or revocation of a charter or license, the operator shall be deemed to be without bond coverage.

9.2. Upon notification of insolvency or bankruptcy, the division shall notify the operator in writing and shall specify a reasonable period, not to exceed 90 days, to provide bond coverage.

9.3. If an adequate bond is not furnished within the allowed period, the operator shall be required to cease operations immediately, and shall not resume operations until the division has received an acceptable bond.

10. The division shall accept a bond in the form of a surety bond, a collateral bond or a combination of these bonding methods.

10.1. A surety bond is an indemnity agreement in a sum certain payable to the division, executed by the operator as principal and which is supported by the performance guarantee of a corporation authorized to do business as a surety in Utah.

10.1.1. A surety bond shall be executed by the operator and a corporate surety authorized to do business in Utah that is listed in "A.M. Best's Key Rating Guide" at a rating of A- or better or a Financial Performance Rating (FPR) of 8 or better, according to the "A.M. Best's Guide". All surety companies also will be continuously listed in the current issue of the U.S. Department of the Treasury Circular 570. Operators who do not have a surety bond with a company that meets the standards of subsection 10.1.1. will have 120 days from the date of Division notification after enactment of the changes to subsection 10.1.1., or face enforcement action. When the Division in the course of examining surety bonds notifies an operator that a surety company guaranteeing its performance does not meet the standards of subsection 10.1.1., the operator has 120 days after notice from the Division by mail to correct the deficiency, or face enforcement action.

10.1.2. Surety bonds shall be noncancellable during their terms, except that surety bond coverage for wells not drilled

may be canceled with the prior consent of the division.

10.1.3. The division shall advise the surety, within 30 days after receipt of a notice to cancel a bond, whether the bond may be canceled on an undrilled well.

10.2. A collateral bond is an indemnity agreement in a sum certain payable to the division, executed by the operator which is supported by one or more of the following:

10.2.1. A cash account.

10.2.1.1. The operator may deposit cash in one or more accounts at a federally insured bank authorized to do business in Utah, made payable upon demand only to the division.

10.2.1.2. The operator may deposit the required amount directly with the division.

10.2.1.3. Any interest paid on a cash account shall be retained in the account and applied to the bond value of the account unless the division has approved the payment of interest to the operator.

10.2.1.4. The division shall not accept an individual cash account in an amount in excess of $100,000 or the maximum insurable amount as determined by the Federal Deposit Insurance Corporation.

10.2.2. Negotiable bonds of the United States, a state, or a municipality.

10.2.2.1. The negotiable bond shall be endorsed only to the order of and placed in the possession of the division.

10.2.2.2. The division shall value the negotiable bond at its current market value, not at face value.

10.2.3. Negotiable certificates of deposit.

10.2.3.1. The certificates shall be issued by a federally insured bank authorized to do business in Utah.

10.2.3.2. The certificates shall be made payable or assigned only to the division both in writing and upon the records of the bank issuing the certificate.

10.2.3.3. The certificates shall be placed in the possession of the division or held by a federally insured bank authorized to do business in Utah.

10.2.3.4. If assigned, the division shall require the banks issuing the certificates to waive all rights of setoff or liens against those certificates.

10.2.3.5. The division shall not accept an individual certificate of deposit in an amount in excess of $100,000 or the maximum insurable amount as determined by the Federal Deposit Insurance Corporation.

10.2.4. An irrevocable letter of credit.

10.2.4.1. Letters of credit shall be placed in the possession of and payable upon demand only to the division.

10.2.4.2. Letters of credit shall be issued by a federally insured bank authorized to do business in Utah.

10.2.4.3. Letters of credit shall be irrevocable during their terms.

10.2.4.4. Letters of credit shall be automatically renewable or the operator shall ensure continuous bond coverage by replacing letters of credit, if necessary, at least 30 days before their expiration date with other acceptable bond types or letters of credit.

11. The required bond amount specified in R649-3-1.5 of all collateral posted as assurance under this section shall be subject to a margin determined by the division which is the ratio of the face value of the collateral to market value, as determined by the division.

11.1. The margin shall reflect legal and liquidation fees, as well as value depreciation, marketability and fluctuations which might affect the net cash available to the division to complete plugging and restoration.

12. The market value of collateral may be evaluated at any time, and in no case shall the market value of collateral be less than the required bond amount specified in R649-3-1.5.

12.1. Upon evaluation of the market value of collateral by the division, the division will notify the operator of any required changes in the amount of the bond and shall allow a reasonable period, not to exceed 90 days, for the operator to establish acceptable bond coverage.

12.2. If an adequate bond is not furnished within the allowed period the operator shall be required to cease operations immediately and shall not resume operations until the division has received an acceptable bond.

13. Persons with an interest in collateral posted as a bond, and who desire notification of actions pursuant to the bond, shall request the notification in writing from the division at the time collateral is offered.

14. The division may allow the operator to replace existing bonds with other bonds that provide equivalent coverage.

14.1. Replacement of a bond pursuant to this section shall not constitute a release of bond under R649-3-1.15.

14.2. The division shall not allow liability to cease under an existing bond until the operator has furnished, and the division has approved, an acceptable replacement bond.

14.3. Transfer of the ownership of property does not cancel liability under an existing bond.

14.4. If a transfer of the ownership of property is made, then the following requirements shall be met:

14.4.1. The operator shall notify the division in writing when ownership of any well associated with the property has been transferred to a named transferee.

14.4.2. The notice shall describe each well by reference to its well name and number, API number, and its location, as described by the section, township, range, and county.

14.4.3. The notice shall contain the endorsement of the new operator accepting such transfer of ownership.

14.4.4. The notice may include a request to cancel liability under the bond upon receipt by the division of an adequate replacement bond in the name of the new operator.

14.5. Within 30 days of the receipt by the division of the notice of transfer of ownership, the new operator shall do one of the following:

14.5.1. Submit a new bond.

14.5.2. Accept responsibility for the wells under an existing blanket bond.

14.5.3. Produce the written consent of the operator and, if applicable, surety of the previous bond that their responsibility shall continue with respect to the new operator.

14.6. When the division has approved the termination of liability under a bond in accordance with R649-3-1.14.2 and R649-3-1.14.3, the original operator is relieved from the responsibility of plugging or repairing any wells and restoring any well site affected by the transfer of ownership.

14.7. If all of the wells covered by a bond are affected by a transfer of ownership, the bond may be released by the

division in accordance with R649-3-15.

15. Bond release procedures are as follows:

15.1. Requests for release of a bond held by the division may be submitted by the operator at any time after a subsequent notice of plugging of a well has been submitted to the division.

15.1.1. Within 30 days after a request for bond release has been filed with the division, the operator shall submit signed affidavits from the surface landowner of the well site certifying that restoration has been performed as required by the mineral lease and surface agreements.

15.1.2. If such affidavits are not submitted, the division shall conduct an inspection of the well site in preparation for bond release as explained in R649-3-1.15.2.

15.1.3. Within 30 days after a request for bond release has been filed with the division, the division shall publish notice of the request in a daily newspaper of general circulation in the city and county of Salt Lake and in a newspaper of general circulation in the county in which the proposed well is located.

15.1.4. If a written objection to the request for bond release is not received by the division within 15 days after publication of the notice of request, the division may release liability under the bond as an administrative action.

15.1.5. If a written objection to the request for bond release is received by the division within 15 days after publication of the notice of request, the request shall be set for hearing and notice thereof given in accordance with the procedural rules of the board.

15.2. If affidavits supporting the bond release application are not received by the division in accordance with R649-3-1.15.1, the division shall within 30 days or as soon thereafter as weather conditions permit, conduct an inspection and evaluation of the well site to determine if restoration has been adequately performed.

15.2.1. The operator shall be given notice by the division of the date and time of the inspection, and if the operator is unable to attend the inspection at the scheduled date and time, the division may reschedule the inspection to allow the operator to participate.

15.2.2. The surface landowner, agent or lessee shall be given notice by the operator of such inspection and may participate in the inspection; however, if the surface landowner is unable to attend the inspection, the division shall not be required to reschedule the inspection in order to allow the surface landowner to participate.

15.2.3. The evaluation shall consider the adequacy of well site restoration, the degree of difficulty to complete any remaining restoration, whether pollution of surface and subsurface water is occurring, the probability of future occurrence of such pollution, and the estimated cost of abating such pollution.

15.2.4. Upon request of any person with an interest in bond release, the division may arrange with the operator to allow access to the well site or sites for the purpose of gathering information relevant to the bond release.

15.2.5. The division shall retain a record of the inspection and the evaluation, and if necessary and upon written request by an interested party, the division shall provide a copy of the results.

15.3. Within 60 days from the filing of the bond release request, if a public hearing is not held pursuant to R649-3-1.15.1, or within 30 days after such public hearing has been held, the division shall provide written notification of the decision to release or not release the bond to the following parties:

15.3.1. The operator.

15.3.2. The surety or other guarantor of the bond.

15.3.3. Other persons with an interest in bond collateral who have requested notification under R649-3-1.13.

15.3.4. The persons who filed objections to the notice of application for bond release.

15.4. If the decision is made to release the bond, the notification specified in R649-3-1.15.3 shall also state the effective date of the bond release.

15.5. If the division disapproves the application for release of the bond or portion thereof, the notification specified in R649-3-1.15.3 shall also state the reasons for disapproval, recommending corrective actions necessary to secure the release, and allowing an opportunity for a public hearing.

15.6. The division shall notify the municipality in which the well is located by certified mail at least 30 days prior to the release of the bond.

16. The following guidelines will govern the Forfeiture of Bonds.

16.1. The division shall take action to forfeit the bond if any of the following occur:

16.1.1. The operator refuses or is unable to conduct plugging and site restoration.

16.1.2. Noncompliance as to the conditions of a permit issued by the division.

16.1.3. The operator defaults on the conditions under which the bond was accepted.

16.2. In the event forfeiture of the bond is necessary, the matter will be considered by the board.

16.3. For matters of bond forfeiture, the division shall send written notification to the parties identified in R649-3-1.15.3, in addition to the notice requirements of the board procedural rules.

16.4. After proper notice and hearing, the board may order the division to do any of the following:

16.4.1. Proceed to collect the forfeited amount as provided by applicable laws for the collection of defaulted bonds or other debts.

16.4.2. Use funds collected from bond forfeiture to complete the plugging and restoration of the well or wells to which bond coverage applies.

16.4.3. Enter into a written agreement with the operator or another party to perform plugging and restoration operations in accordance with a compliance schedule established by the division as long as such party has the ability to perform the necessary work.

16.4.4. Allow a surety to complete the plugging and restoration, if the surety can demonstrate an ability to complete the plugging and restoration.

16.4.5. Any other action the board deems reasonable and appropriate.

16.5. In the event the amount forfeited is insufficient to pay for the full cost of the plugging and restoration, the division may complete or authorize completion of plugging and

restoration and may recover from the operator all costs of plugging and restoration in excess of the amount forfeited.

16.6. In the event the amount of bond forfeited was more than the amount necessary to complete plugging and restoration, the unused funds shall be returned by the division to the party from whom they were collected.

16.7. In the event the bond is forfeited and there exists any unplugged well or wells previously covered under the forfeited bond, then the operator must establish new bond coverage in accordance with these rules.

16.8. If the operator requires new bond coverage under the provisions of R649-3-1.16.7, then the division will notify the operator and specify a reasonable period, not to exceed 90 days, to establish new bond coverage.

R649-3-2. Location And Siting Of Vertical Wells and Statewide Spacing for Horizontal Wells.

1. In the absence of special orders of the board establishing drilling units or authorizing different well density or location patterns for particular pools or parts thereof, each oil and gas well shall be located in the center of a 40 acre quarter-quarter section, or a substantially equivalent lot or tract or combination of lots or tracts as shown by the most recent governmental survey, with a tolerance of 200 feet in any direction from the center location, a "window" 400 feet square. No oil or gas well shall be drilled less than 920 feet from any other well drilling to or capable of producing oil or gas from the same pool, and no oil or gas well shall be completed in a known pool unless it is located more than 920 feet from any other well completed in and capable of producing oil or gas from the same pool.

2. The division shall have the administrative authority to determine the pattern location and siting of wells adjacent to an area for which drilling units have been established or for which a request for agency action to establish drilling units has been filed with the board and adjacent to a unitized area, where there is sufficient evidence to indicate that the particular pool underlying the drilling unit or unitized area may extend beyond the boundary of the drilling unit or unitized area and the uniformity of location patterns is necessary to ensure orderly development of the pool.

3. In the absence of special orders of the Board, no portion of the horizontal interval within the potentially productive formation shall be closer than six hundred-sixty (660) feet to a drilling or spacing unit boundary, federally unitized area boundary, uncommitted tract within a unit, or boundary line of a lease not committed to the drilling of such horizontal well.

4. The surface location for a horizontal well may be anywhere on the lease.

5. Any horizontal interval shall be not closer than one thousand three hundred and twenty (1,320) feet to any vertical well completed in and producing from the same formation. Vertical wells drilled to and completed in the same formation as in a horizontal well are subject to applicable drilling unit orders of the board or the other conditions of this rule which do not specifically pertain to horizontal wells and may be drilled and produced as provided therein.

6. A temporary six hundred and forty (640) acre spacing unit, consisting of the governmental section in which the horizontal well is located, is established for the orderly development of the anticipated pool.

7. In addition to any other notice required by the statute or these rules, notice of the Application for Permit to Drill for a horizontal well shall be given by certified mail to all owners within the boundaries of the designated temporary spacing unit.

8. Horizontal wells to be located within federally supervised units are exempt from the above referenced conditions of 5, 6 and 7.

9. Exceptions to any of the above referenced conditions of 3 through 7 may be approved upon proper application pursuant to R649-3-3, Exception to Location and Siting of Wells, or R649-10, Administrative Procedures.

10. Additional horizontal wells may be approved by order of the Board after hearing brought upon by a Request for Agency Action (Petition) filed in accordance with the Board's Procedural Rules.

R649-3-3. Exception to Location and Siting of Wells.

1. The division shall have the administrative authority to grant an exception to the locating and siting requirements of R649-3-2 or an order of the board establishing oil or gas well drilling units after receipt from the operator of the proposed well of the following items:

1.1. Proper written application for the exception well location.

1.2. Written consent from all owners within a 460 foot radius of the proposed well location when such exception is to the requirements of R649-3-2, or;

1.3. Written consent from all owners of directly or diagonally offsetting drilling units when such exception is to an order of the board establishing oil or gas well drilling units.

2. If for any reason the division shall fail or refuse to approve such an exception, the board may, after notice and hearing, grant an exception.

3. The application for an exception to R649-3-2 or board drilling unit order shall state fully the reasons why such an exception is necessary or desirable and shall be accompanied by a plat showing:

3.1. The location at which an oil or gas well could be drilled in compliance with R649-3-2 or Board drilling unit order.

3.2. The location at which the applicant requests permission to drill.

3.3. The location at which oil or gas wells have been drilled or could be drilled, in accordance with R649-3-2 or board drilling unit order, directly or diagonally offsetting the proposed exception.

3.4. The names of owners of all lands within a 460 foot radius of the proposed well location when such exception is to the requirements of R649-3-2, or

3.5. The names of owners of all directly or diagonally offsetting drilling units when such exception is to an order of the board establishing oil or gas drilling units.

4. No exception shall prevent any owner from drilling an oil or gas well on adjacent lands, directly or diagonally offsetting the exception, at locations permitted by R649-3-2, or any applicable order of the board establishing oil or gas well drilling units for the pool involved.

5. Whenever an exception is granted, the board or the division may take such action as will offset any advantage that the person securing the exception may obtain over other producers by reason of the exception location.

R649-3-4. Permitting of Wells to be Drilled, Deepened or Plugged-Back.

1. Prior to the commencement of drilling, deepening or plugging back of any well, exploratory drilling such as core holes and stratigraphic test holes, or any surface disturbance associated with such activity, the operator shall submit Form 3, Application for Permit to Drill, Deepen, or Plug Back and obtain approval. Approval shall be given by the division if it appears that the contemplated location and operations are not in violation of any rule or order of the board for drilling a well.

2. The following information shall be included as part of the complete Application for Permit to Drill, Deepen, or Plug Back.

2.1. The telephone number of the person to contact if additional information is needed.

2.2. Proper identification of the lease as state, federal, Indian, or fee.

2.3. Proper identification of the unit, if the well is located within a unit.

2.4. A plat or map, preferably on a scale of one inch equals 1,000 feet, prepared by a licensed surveyor or engineer, which shows the proposed well location. For directional wells, both surface and bottomhole locations should be marked.

2.5. A copy of the Division of Water Rights approval or the identifying number of the approval for use of water at the drilling site.

2.6. A drilling program containing the following information shall also be submitted as part of a complete APD.

2.6.1. The estimated tops of important geologic markers.

2.6.2. The estimated depths at which the top and the bottom of anticipated water, oil, gas, or other mineral-bearing formations are expected to be encountered, and the owner's or operator's plans for protecting such resources.

2.6.3. The owner's or operator's minimum specifications for pressure control equipment to be used and a schematic diagram thereof showing sizes, pressure ratings or API series, proposed testing procedures and testing frequency.

2.6.4. Any supplementary information more completely describing the drilling equipment and casing program as required by Form 3, Application for Permit to Drill, Deepen, or Plug Back.

2.6.5. The type and characteristics of the proposed circulating medium or mediums to be employed in drilling, the quantities and types of mud and weighting material to be maintained, and the monitoring equipment to be used on the mud system.

2.6.6. The anticipated type and amount of testing, logging, and coring.

2.6.7. The expected bottomhole pressure and any anticipated abnormal pressures or temperatures or potential hazards, such as hydrogen sulfide, expected to be encountered, along with contingency plans for mitigating such identified hazards.

2.6.8. Any other facets of the proposed operation which the lessee or operator desires to point out for the division's consideration of the application.

2.6.9. If an Application for Permit to Drill, Deepen, or Plug Back is for a proposed horizontal well, a horizontal well diagram clearly showing the well bore path from the surface through the terminus of the lateral shall be submitted.

2.7. Form 5, Designation of Agent or Operator shall be filed when the operator is a person other than the owner.

2.8. If located on State or Fee surface, an APD will not be approved until an Onsite Predrill Evaluation is performed as outlined in R649-3-18.

3. Two legible copies, carbon or otherwise, of the APD filed with the appropriate federal agency may be used in lieu of the forms prescribed by the board.

4. Approval of the APD shall be valid for a period of 12 months from the date of such approval. Upon approval of an APD, a well will be assigned an API number by the division. The API number should be used to identify the permitted well in all future correspondence with the division.

5. If a change of location or drilling program is desired, an amended APD shall be filed with the division and its approval obtained. If the new location is at an authorized location in the approved drilling unit, or the change in drilling program complies with the rules for that area, the change may be approved verbally or by telegraph. Within five days after obtaining verbal or telegraphic authorization, the operator shall file a written change application with the division.

6. After a well has been completed or plugged and abandoned, it shall not be reentered without the operator first submitting a new APD and obtaining the division's approval. Approval shall be given if it appears that a bond has been furnished or waived, as required by R649-3-1, Bonding, and the contemplated work is not in violation of any rule or order of the board.

7. An operator or owner who applies for an APD in an area not subject to a special order of the board establishing drilling units, may contemporaneously or subsequently file a Request for Agency Action to establish drilling units for an area not to exceed the area reasonably projected by the operator or owner to be underlaid by the targeted reservoir.

8. An APD for a well within the area covered by a proper Request for Agency Action which has been filed by an interested person, or the division or the board on its own motion, for the establishment of drilling units or the revision of existing drilling units for the spacing of wells shall be held in abeyance by the division until such time as the matter has been noticed, fully heard and determined.

9. An exception to R649-3-4-8 shall be made and a permit shall be issued by the division if an owner or operator files a sworn statement demonstrating to the division's satisfaction that on and after the date the Request for Agency Action requesting the establishment of drilling units was filed, or the action of the division or board was taken; and

9.1. The owner or operator has the right or obligation under the terms of an existing contract to drill the requested well; or

9.2. The owner or operator has a leasehold estate or right to acquire a leasehold estate under a contract that will be terminated unless he is permitted to commence the drilling of

the required well before the matter can be fully heard and determined by the board.

R649-3-5. Identification.

Every drilling and producible well shall be identified by a sign posted on the derrick or in a conspicuous place near the well. The sign shall be of durable construction. The lettering on the sign shall be kept in a legible condition and shall be large enough to be legible under normal conditions at a distance of 25 feet. The wells on each lease or property shall be numbered in nonrepetitive, logical, and distinctive sequence. Each sign shall show the number of the well, the name of the owner or operator, the lease name, and the location of the well by quarter section, township, and range.

R649-3-6. Drilling Operations.

1. Drilling operations shall be conducted according to the drilling program submitted on the original APD and as approved by the division. Any change of plans to the original drilling program shall be submitted to the division by using Form 9, Sundry Notices and Reports on Wells and shall receive division approval prior to implementation. A change of plans necessary because of emergency conditions may be implemented without division approval. The operator shall provide the division with verbal notice of the emergency change within 24 hours and written notice within five days.

2. An operator of a drilling well as designated in R649-2-4 shall comply with reporting requirements as follows:

2.1. The spudding in of a well shall be reported to the division within 24 hours. The report should include the well name and number, drilling contractor, rig number and type, spud date and time, the date that continuous drilling will commence, the name of the person reporting the spud, and a contact telephone number.

2.2. The operator shall file Form 6, Entity Action Form with the division within five working days of spudding in a well. The division will assign the well an entity number which will identify the well on the operator's monthly oil and gas production and disposition reports.

2.3. The operator shall notify the division 24 hours in advance of all testing to be performed on the blowout preventor equipment on a well.

2.4. The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notices and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month. The report shall be submitted no later than the fifth day of the following calendar month until such time as the well is completed and the well completion report is filed.

2.5. The operator shall notify the division 24 hours in advance of all casing tests performed in accordance with R649-3-13.

2.6. The operator shall report to the division all fresh water sand encountered during drilling on Form 7, Report of Water Encountered During Drilling, The report shall be filed with Form 8, Well Completion or Recompletion Report and Log.

R649-3-7. Well Control.

1. When drilling in wildcat territory, the owner or operator shall take all reasonably necessary precautions for keeping the well under control at all times and shall provide, at the time the well is started, proper high pressure fittings and equipment. All pressure control equipment shall be maintained in good working condition at all times.

2. In all proved areas, the use of blowout prevention equipment "BOPE" shall be in accordance with the established and approved practice in the area. All pressure control equipment shall be maintained in good working condition at all times.

3. Upon installation, all ram type BOPE and related equipment, including casing, shall be tested to the lesser of the full manufacturer's working pressure rating of the equipment, 70% of the minimum internal yield pressure of any casing subject to test, or one psi/ft of the last casing string depth. Annular type BOPE are to be tested in conformance with the manufacturer's published recommendations. The operator shall maintain records of such testing until the well is completed and will submit copies of such tests to the division if required.

4. In addition to the initial pressure tests, ram and annular type preventers shall be checked for physical operation each trip. All BOPE components, with the exception of an annular type blowout preventer, shall be tested monthly to the lesser of 50% of the manufacturer's rated pressure of the BOPE, the maximum anticipated pressure to be contained at the surface, one psi/ft of the last casing string depth, or 70% of the minimum internal yield pressure of any casing subject to test.

5. If a pressure seal in the assembly is disassembled, a test of that seal shall be conducted prior to the resumption of any drilling operation. A shell test of the affected seal shall be adequate. If the affected seal is integral with the BOP stack, either pipe or blind ram, necessitating a test plug to be set in order to test the seal, the division may grant approval to proceed without testing the seal if necessary for prudent operations.

6. All tests of BOPE shall be noted on the driller's log, IADC report book, or equivalent and shall be available for examination by the director or an authorized agent during routine inspections.

7. BOPE used in possible or probable hydrogen sulfide or sour gas formations shall be suitable for use in such areas.

R649-3-8. Casing Program.

1. The method of cementing casing in the hole shall be by pump and plug method, displacement method, or other method approved by the division.

2. When drilling in wildcat territory or in any field where high pressures are probable, the conductor and surface strings of casing must be cemented throughout their lengths, unless another procedure is authorized or prescribed by the division, and all subsequent strings of casing must be securely anchored.

3. In areas where the pressures and formations to be encountered during drilling are known, sufficient surface casing shall be run to:

3.1. Reach a depth below all known or reasonably estimated, utilizable, domestic, fresh water levels.

3.2. Prevent blowouts or uncontrolled flows.

4. The casing program adopted must be planned to protect any potential oil or gas horizons penetrated during drilling from infiltration of waters from other sources and to prevent the

migration of oil, gas, or water from one horizon to another.

R649-3-9. Protection Of Upper Productive Strata.

1. No well shall be deepened for the purpose of producing oil or gas from a lower stratum until all upper productive strata are protected, either permanently by casing and cementing or temporarily through the use of tubing and packer, to the satisfaction of the division.

2. In any well that appears to have defective, poorly cemented, or corroded casing that will permit or may create underground waste or may contaminate underground or surface fresh water, the operator shall proceed with diligence to use the appropriate method and means to eliminate such hazard of underground waste or contamination of fresh water. If such hazard cannot be eliminated, the well shall be properly plugged and abandoned.

3. Natural gas that is encountered in substantial quantities in any section of a cable tool drilled hole above the ultimate objective shall be shut off with reasonable diligence, either by mudding, casing or other approved method, and shall be confined to its original source to the satisfaction of the division.

R649-3-10. Tolerances For Vertical Drilling.

Deviation from the vertical for short distances is permitted in the drilling of a well without special approval to straighten the hole, sidetrack junk, or correct other mechanical difficulties. All wells shall be drilled such that the surface location of the well and all points along the intended well bore shall be within the tolerances allowed by R649-3-2, Location and Siting of Vertical Wells and Statewide Spacing for Horizontal Wells, or the appropriate board order.

R649-3-11. Directional Drilling.

1. Except for the tolerances allowed under R649-3-10, no well may be intentionally deviated unless the operator shall first file application and obtain approval from the division. An application for directional drilling may be approved by the division without notice and hearing when the applicant is the owner of all the oil and gas within a radius of 460 feet from all points along the intended well bore, or the applicant has obtained the written consent of the owner to the proposed directional drilling program. An application for directional drilling may be included as part of the initial APD for a proposed well.

2. An application for directional drilling shall include the following information:

2.1. The name and address of the operator.

2.2. The lease name, well number, field name, reservoir name, and county where the proposed well is located.

2.3. A plat or sketch showing the distance from the surface location to section and lease lines, the target location within the intended producing interval, and any point along the intended well bore outside the 460 foot radius for which the consent of the owner has been obtained.

2.4. The reason for the intentional deviation.

2.5. The signature of designated agent or representative of operator.

3. Within 30 days following completion of a directionally drilled well, a complete angular deviation and directional survey of the well obtained by an approved well survey company shall be filed with the division, together with other regularly required reports.

R649-3-12. Drilling Practices For Hydrogen Sulfide Areas And Formations.

1. This rule shall apply to drilling, redrilling, deepening, or plugging back operations in areas where the formations to be penetrated are known to contain or are expected to contain H_2S in excess of 20 ppm and to areas where the presence or absence thereof is unknown.

2. A written contingency plan, providing details of actions to be taken to alert and protect operating personnel and members of the public in the event of an accidental release of H_2S gas shall be submitted to the division as part of the initial APD for a well or as a sundry notice.

3. All proposed drill site locations shall be planned to obtain the maximum safety benefits consistent with the rig configuration, terrain, prevailing winds, etc. The drilling rig shall, where possible, be situated so that prevailing winds blow across the rig in a direction toward the reserve pit and away from escape routes. On-site trailers shall be located to allow reasonably safe distances from both the well and the outlet of the flare line.

4. At least two cleared areas shall be designated as crew briefing or safety areas. Both areas shall be located at least 200 feet from the well, with at least one area located generally upwind from the well.

5. Protective equipment shall be provided by the operator or its drilling contractor for operating personnel and shall include the following:

5.1. An adequate number of positive pressure type self-contained breathing apparatus to allow all personnel normally involved in the drilling operation immediate access to such equipment, with a minimum of one working apparatus available for the immediate use of each rig hand in emergencies.

5.2. Chalk boards or note pads to be used for communication when wearing protective breathing apparatus.

5.3. First aid supplies.

5.4. One resuscitator complete with medical oxygen.

5.5. A litter or stretcher.

5.6. Harnesses and lifelines.

5.7. A telephone, radio, mobile phone, or other communication device that provides emergency two-way communication from a safe area at the well location.

6. Each drill site shall have an H_2S detection and monitoring system that activates audible and visible alarms when the concentration of H_2S reaches the threshold limit of 20 ppm in air. This equipment shall have a rapid response time and be capable of sensing a minimum of ten ppm H_2S in air, with at least three sensing points, located at the shale shaker, on the derrick floor, and in the cellar. Other sensing points shall be located at other critical areas where H_2S might accumulate. Portable H_2S detection equipment capable of sensing an H_2S concentration of 20 ppm shall be available for all working personnel and shall be equipped with an audible warning signal.

7. Equipment to indicate wind direction at all times shall be installed at prominent locations. At least two wind socks or streamers shall be located at separate elevations at the well

location and shall be easily visible from all areas of the location. Windsocks or streamers shall be located in illuminated areas for night operations.

8. When H_2S is encountered during drilling, well marked, highly visible warning signs shall be displayed at the rig and along all access routes to the well location. The signs shall warn of the presence of H_2S and shall prohibit approach to the well location when red flags are displayed. Red flags shall be displayed when H_2S is present in concentrations greater than 20 ppm in air as measured on the equipment required under R649-3-12-6.

9. Unless adequate natural ventilation is present, portable fans or ventilation equipment shall be located in work areas to disperse H_2S when it is encountered.

10. A flare system shall be utilized to safely gather and burn H_2S bearing gas. Flare lines shall be located as far from the operating site as feasible and shall be located in a manner to compensate for wind changes. The outlets of all flare lines shall be located at least 150 feet from the well head unless otherwise approved by the division.

11. Sufficient quantities of additives shall be maintained on location to add to the mud system to scavenge or neutralize H_2S.

R649-3-13. Casing Tests.

In order to determine the integrity of the casing string set in the well, the operator shall, unless otherwise requested by the division, perform a pressure test of the casing to the pressures specified under R649-3-7-4 before drilling out of any casing string, suspending drilling operations, or completing the well.

R649-3-14. Fire Hazards On The Surface.

1. All rubbish or debris that might constitute a fire hazard shall be removed to a distance of a least 100 feet from the well location, tanks, separator, or any structure. All waste oil or gas shall be burned or disposed of in a manner to avert creation of a fire hazard.

2. Any gas other than poisonous gas escaping from the well during drilling operations shall be, so far as practicable, conducted to a safe distance from the well site and burned in a suitable flare.

R649-3-15. Pollution And Surface Damage Control.

The operator shall take all reasonable precautions to avoid polluting lands, streams, reservoirs, natural drainage ways, and underground water. The owner or operator shall carry on all operations and maintain the property at all times in a safe and workmanlike manner having due regard for the preservation and conservation of the property and for the health and safety of employees and people residing in close proximity to those operations. At a minimum, the owner or operator shall:

1.1. Take reasonable steps to prevent and shall remove accumulations of oil or other materials deemed to be fire hazards from the vicinity of well locations, lease tanks and pits.

1.2. Remove from the property or store in an orderly manner, all scrap or other materials not in use.

1.3. Provide secure workmanlike storage for chemical containers, barrels, solvents, hydraulic fluid, and other non-exempt materials.

1.4. Maintain tanks in a workmanlike manner which will preclude leakage and provide for all applicable safety measures, and construct berms of sufficient height and width to contain the quantity of the largest tank at the storage facility. The use of crude or produced water storage tanks without tops is strictly prohibited except during well testing operations.

1.5. Catch leaks and drips, contain spills, and cleanup promptly. Waste reduction and recycling should be practiced in order to help reduce disposal volumes. Produced water, tank bottoms and other miscellaneous waste should be disposed of in a manner which is in compliance with these rules and other state, federal, or local regulations or ordinances. In general, good housekeeping practices should be used.

R649-3-16. Reserve Pits and Other Onsite Pits.

1. Small onsite oil field pits including but not limited to reserve pits, emergency pits, workover and completion pits, storage pits, pipeline drip pits, and sumps shall be located and constructed in such a manner as to contain fluids and not cause pollution of waters and soils. They shall be located and constructed according to the Division guidelines for onsite pits.

2. Reserve pit location and construction requirements including liner requirements will be discussed at the predrill site evaluation. Special stipulations concerning the reserve pit will be included as part of the Division's approval to drill.

3. Following drilling and completion of the well the reserve pit shall be closed within one year, unless permission is granted by the Division for a longer period. Pit contents shall meet the Division's Cleanup Levels (guidance document for numeric clean-up levels) or background levels prior to burial. The contents may require treatment to reduce mobility and/or toxicity in order to meet cleanup levels. The alternative to meeting cleanup levels would be transporting of material to an appropriate disposal facility.

R649-3-17. Inspection.

Inspection of wells shall be performed by the division to determine operator compliance with the rules and orders of the board. The inspection shall not interfere with the mechanical operation of facilities or equipment used in drilling and production operations. Inspections of operations involving a safety hazard shall not be conducted, nor shall an inspection be conducted that may cause a safety hazard.

R649-3-18. On-site Predrill Evaluation.

1. An on-site predrill evaluation of drilling operations located on state or private land shall be scheduled and conducted by the division prior to approval of an APD and no later than 30 days after receipt by the division of a complete APD. An on-site predrill evaluation may be performed by the division prior to submittal of a complete APD at the written request of the operator. The division, the operator, and other persons associated with the surface management or construction of the well site shall attend the predrill evaluation. When appropriate, the operator's surveyor and archaeologist may also participate in the predrill evaluation. When the surface of the land involved is privately owned, the operator shall include in the APD the name, address, and telephone number of the private surface owner as shown on the real property records of the

county where the well is located. The surface owner shall be invited by the division to attend the predrill evaluation. The surface owner's inability to attend the predrill evaluation shall not delay the scheduled evaluation.

2. Special stipulations concerning surface use or justifications for well spacing exceptions may be addressed and developed at the predrill evaluations. Special stipulations shall be incorporated as conditions of the approved APD, together with any additional conditions determined by the division to be necessary following a review of the complete application.

R649-3-19. Well Testing.

1. Each operator shall conduct a stabilized production test of at least 24 hours duration not later than 15 days following the completion or recompletion of any well for the production of oil or gas.

The results of the test shall be reported in writing to the division within 15 days after completion of the test. Additional tests shall be taken as requested by the division.

2. The division may request subsurface pressure measurements on a sufficient number of wells in any pool to provide adequate data to determine reservoir characteristics.

3. Upon written request, the division may waive or extend the time for conducting any test.

4. A gas-oil ratio "GOR" test shall be conducted not later than 15 days following the completion or recompletion of each well in a pool which contains both oil and gas. The average daily oil production, the average daily gas production and the average GOR shall be recorded. The results of the GOR test shall be reported in writing to the division within 15 days after completion of the test. A GOR test of at least 24 hours duration shall satisfy the requirements of R649-3-19-1.

5. When the results of a multipoint test or other approved test for the determination of gas well potential have not been submitted to the division within 30 days after completion or recompletion of any producible gas well, the division may order that this test be made. All data pertinent to the test shall be submitted to the division in legible, written form within 15 days after completion of the test. The performance of a multipoint or other approved test shall satisfy the requirements of R649-3-19-1.

6. All tests of any producible gas well will be taken in accordance with the Manual of Back-Pressure Testing of Gas Wells published by the Interstate Oil Compact Commission, with necessary modifications as approved by the division.

R649-3-20. Gas Flaring Or Venting.

1. Produced gas from an oil well, also known as associated gas or casinghead gas, may be flared or vented only in the following amounts:

1.1. Up to 1,800 MCF of oil well gas may be vented or flared from an individual well on a monthly basis at any time without approval.

1.2. During the period of time allowed for conducting the stabilized production test or other approved test as required by R649-3-19, the operator may vent or flare all produced oil well gas as needed for conducting the test. The operator shall not vent or flare gas which is not necessary for conducting the test or beyond the time allowed for conducting the test.

1.3. During the first calendar month immediately following the time allowed for conducting the initial stabilized production test as required by R649-3-19.1, the operator may vent or flare up to 3,000 MCF of oil well gas without approval.

1.4. Unavoidable or short-term oil well gas venting or flaring may occur without approval in accordance with R649-3-20.4, 4.1, 4.2, and 4.3.

2. Produced gas from a gas well may be vented or flared only in the following amounts:

2.1. During the period of time allowed for conducting the stabilized production test, the multipoint test, or other approved test as required by R649-3-19, the operator may vent or flare all produced gas well gas as needed for conducting the test. The operator shall not vent or flare gas which is not necessary for conducting the tests or beyond the time allowed for conducting the tests.

2.2. Unavoidable or short-term gas well gas venting or flaring may occur without approval in accordance with R649-3-20.4, 4.1, 4.2, and 4.3.

3. If an operator desires to produce a well for the purpose of testing and evaluation beyond the time allowed by R649-3-19 and vent or flare gas in excess of the aforementioned limits of gas venting or flaring, the operator shall make written request for administrative action by the division to allow gas venting or flaring during such testing and evaluation. The operator shall provide any information pertinent to a determination of whether marketing or otherwise conserving the produced gas is economically feasible. Upon such request and based on the justification information presented, the division may authorize gas venting or flaring at unrestricted rates for up to 30 days of testing or no more than 50 MMCF of gas vented or flared, whichever is less.

4. Once a well is completed for production and gas is being transported or marketed, the operator is allowed unavoidable or short-term gas venting or flaring without approval only in the following cases:

4.1. Gas may be vented or released from oil storage tanks or other low pressure oil production vessels unless the division determines that the recovery of such vapors is warranted.

4.2. Gas may be vented or flared from a well during periods of line failures, equipment malfunctions, blowouts, fires, or other emergencies if shutting in or restricting production from the well would cause waste or create adverse impact on the well or producing reservoir. The operator shall provide immediate notification to the division in all such cases in accordance with R649-3-32, Reporting of Undesirable Events. Upon notification, the division shall determine if gas venting or flaring is justified and specify conditions of approval if necessary.

4.3. Gas may be vented or flared from a well during periods of well purging or evaluation tests not exceeding a period of 24 hours or a maximum of 144 hours per month. The operator shall provide subsequent written notification to the division in all such cases.

5. If an operator wishes to flare or vent a greater amount of produced gas than allowed by this rule, the operator must submit a Request for Agency Action to the board to be considered as a formal board docket item. The request should include the following items:

5.1. A statement justifying the need to vent or flare more than the allowable amount.

5.2. A description of production test results.

5.3. A chemical analysis of the produced gas.

5.4. The estimated oil and gas reserves.

5.5. A description of the reinjection potential or other conservation oriented alternative for disposition of the produced gas.

5.6. A description of the amount of gas used in lease operations.

5.7. An economic evaluation supporting the operator's determination that conservation of the gas is not economically viable. The evaluation should utilize any engineering or geologic data available and should consider total well production, not just gas production, in presenting the profitability and costs for beneficial use of the gas.

5.8. Any other information pertinent to a determination of whether marketing or otherwise conserving the produced gas is economically feasible.

6. Upon review of the request for approval to vent or flare gas from a well, the board may elect to:

6.1. Allow the requested venting or flaring of gas.

6.2. Restrict production until the gas is marketed or otherwise beneficially utilized.

6.3. Take any other action the board deems appropriate in the circumstances.

7. When gas venting or flaring from a well has not been approved by the division or the magnitude and duration of venting or flaring exceeds the amounts specified in these rules or any division or board approval, then the board may issue a formal order to alleviate the noncompliance and/or require the operator to appear before the board to provide justification of such venting or flaring. The division shall notify the appropriate governmental taxing and royalty agencies of any unapproved venting or flaring and of any subsequent board action.

8. No extraction plant processing gas in Utah shall flare or vent such gas unless such venting or flaring is made necessary by mechanical difficulty of a very limited temporary nature or unless the gas vented or flared is of no commercial value. In the event of a more prolonged mechanical difficulty or in the event of plant shut-downs or curtailment because of scheduled or nonscheduled maintenance or testing operations or other reasons, or in the event a plant is unable to accept, process, and market all of the casinghead gas produced by wells connected to its system, the plant operator shall notify the division as soon as possible of the full details of such shut-down or curtailment, following which the division shall take such action as is necessary.

R649-3-21. Well Completion And Filing Of Well Logs.

1. For the purposes of this rule only, a well shall be determined to be completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

2. Within 30 days after the completion of any well drilled or redrilled for the production of oil or gas, Form 8, Well Completion or Recompletion Report and Log, shall be filed with the division, together with a copy of the electric and radioactivity logs, if run.

3. In addition, one copy of all drillstem test reports, formation water analyses, porosity, permeability or fluid saturation determinations, core analyses and lithologic logs or sample descriptions if compiled, shall be filed with the division.

4. As prescribed under R649-2-12, Test and Surveys, the directional, deviation and/or measurement-while-drilling (MWD) survey for a horizontal well shall be filed within 30 days of being run. Such directional, deviation and/or MWD survey specifically related to well location or well bore path shall not be held confidential. Other MWD survey data which presents well log, or other geological, geophysical, or engineering information may be held confidential as provided in R649-2-11, Confidentiality of Well Log Information.

R649-3-22. Completion Into Two Or More Pools.

1. The completion of a single well into more than one pool may be permitted by submitting an application to the division and securing its approval. The application shall be submitted on Form 9, Sundry Notice and Report and shall be accompanied by an exhibit showing the location of all wells on contiguous oil and gas leases or drilling units overlying the pool. The application shall set forth all material facts involved and the manner and method of completion proposed.

2. If oil or gas is to be produced from two or more pools open to each other through the same string of casing so that commingling will take place, the application must also be accompanied by a description of the method used to account for and to allocate production from each pool so commingled.

3. The application shall include an affidavit showing that the operator has provided a copy of the application to the owners of all contiguous oil and gas leases or drilling units overlying the pool. If none of these owners file a written objection to the application within 15 days after the date the application is filed with the division, the application may be considered and approved by the division without a hearing. If a written objection is filed that cannot be resolved administratively, the application may be approved only after notice and hearing by the board.

R649-3-23. Well Workover and Recompletion.

1. Requests for approval of a notice of intention to perform a workover or recompletion shall be filed by an operator with the division on Form 9, Sundry Notices and Reports on Wells, or if the operation includes substantial redrilling, deepening, or plugging back of an existing well, on Form 3, Application for Permit to Drill, Deepen or Plug Back.

2. The division shall review the proposed workover or recompletion for conformance with the Oil and Gas Conservation General Rules and advise the operator of its decision and any necessary conditions of approval.

3. Recompletions shall be conducted in a manner to protect the original completion interval(s) and any other known productive intervals.

4. The same tests and reports are required for any well recompletion as are required following an original well completion.

5. The applicant shall file a subsequent report of workover on Form 9, Sundry Notices and Reports, or a subsequent report of recompletion on Form 8, Well Completion or Recompletion

Report and Log, within 30 days after completing the workover or recompletion operations.

6. For the purpose of qualifying for a tax credit under Utah Code Ann. Section 59-5-102(3), the operator on his behalf and on behalf of each working interest owner must file a request with the division on Form 15, Designation of Workover or Recompletion. The request must be filed within 90 days after completing the workover or recompletion operations.

7. A workover which may qualify under Utah Code Ann. Section 59-5-102(3) shall be downhole operations conducted to maintain, restore or increase the producibility or serviceability of a well in the geologic interval(s) that the well is currently completed in, but shall not include:

7.1. Routine maintenance operations such as pump changes, artificial lift equipment or tubing repair, or other operations which do not involve changes to the wellbore configuration or the geologic interval(s) that it penetrates and which do not stimulate production beyond that which would be anticipated as the result of routine maintenance.

7.2. Operations to convert any well for use as a disposal well or other use not associated with enhancing the recovery of hydrocarbons. Operations to convert a well to a Class II injection well for enhanced recovery purposes may qualify if the secondary or enhanced recovery project has received the necessary board approval.

8. A recompletion which may qualify under Utah Code Ann. Section 59-5-102(3) shall be downhole operations conducted to reestablish producibility or serviceability of a well in any geologic interval(s).

9. The division shall review the request for designation of a workover or recompletion and advise the operator and the State Tax Commission of its decision to approve or deny the operations for the purposes of Utah Code Ann. Section 59-5-102(3).

10. The division is responsible for approval of workover and recompletion operations which qualify for the tax credit. If the operator disagrees with the decision of the division, the decision may be appealed to the board. Appeals of all other workover and recompletion tax credit decisions should be made to the State Tax Commission.

R649-3-24. Plugging And Abandonment Of Wells.

1. Before operations are commenced to plug and abandon any well the owner or operator shall submit a notice of intent to plug and abandon to the division for its approval. The notice shall be submitted on Form DOGM-5, Sundry Notice and Report on Wells. A legible copy of a similar report and form filed with the appropriate federal agency may be used in lieu of the forms prescribed by the board. In cases of emergency the operator may obtain verbal or telegraphic approval to plug and abandon. Within five days after receiving verbal or telegraphic approval, the operator shall submit a written notice of intent to plug and abandon on Form 9.

2. Both verbal and written notice of intent to plug and abandon a well shall contain the following information.

2.1. The location of the well described by section, township, range, and county.

2.2. The status of the well, whether drilling, producing, injecting or inactive.

2.3. A description of the well bore configuration indicating depth, casing strings, cement tops if known, and hole size.

2.4. The tops of known geologic markers or formations.

2.5. The plugging program approved by the appropriate federal agency if the well is located on federal or Indian land.

2.6. An indication of when plugging operations will commence.

3. A dry or abandoned well must be plugged so that oil, gas, water, or other substance will not migrate through the well bore from one formation to another. Unless a different method and procedure is approved by the division, the method and procedure for plugging the well shall be as follows:

3.1. The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and a cement plug not less than 100 feet in length shall be placed immediately above each producing formation open to the well bore.

3.2. A solid cement plug shall be placed from 50 feet below a fresh water zone to 50 feet above the fresh water zone, or a 100 foot cement plug shall be centered across the base of the fresh water zone and a 100 foot plug shall be centered across the top of the fresh water zone.

3.3. At least ten sacks of cement shall be placed at the surface in a manner completely plugging the entire hole. If more than one string of casing remains at the surface, all annuli shall be so cemented.

3.4. The interval between plugs shall be filled with noncorrosive fluid of adequate density to prevent migration of formation water into or through the well bore.

3.5. The hole shall be plugged up to the base of the surface string with noncorrosive fluid of adequate density to prevent migration of formation water into or through the well bore, at which point a plug of not less than 50 feet of cement shall be placed.

3.6. Any perforated interval shall be plugged with cement and any open hole porosity zone shall be adequately isolated to prevent migration of fluids.

3.7. A cement plug not less than 100 feet in length shall be centered across the casing stub if any casing is cut and pulled, a second plug of the same length shall be centered across the casing shoe of the next larger casing.

4. An alternative method of plugging required under a federal or Indian lease, will be accepted by the division.

5. Within 30 days after the plugging of any well has been accomplished, the owner or operator shall file a subsequent report of plugging with the division. The report shall give a detailed account of the following items:

5.1. The manner in which the plugging work was carried out, including the nature and quantities of materials used in plugging and the location, nature, and extent by depths, of the plugs.

5.2. Records of any tests or measurements made.

5.3. The amount, size, and location, by depths of any casing left in the well.

5.4. A statement of the volume of mud fluid used.

5.5. A complete report of the method used and the results obtained, if an attempt was made to part any casing.

6. Upon application to and approval by the division, and following assumption of liability for the well by the surface

owner, a well or other exploratory hole that may safely be used as a fresh water well need not be filled above the required sealing plugs set below the fresh water formation. The owner of the surface of the land affected may assume liability for any well capable of conversion to a water well by sending a letter assuming such liability to the division and by filing an application with and obtaining approval for appropriation of underground water from the Division of Water Rights.

7. Unless otherwise approved by the division, all abandoned wells shall be marked with a permanent monument showing the well number, location, and name of the lease. The monument shall consist of a portion of pipe not less than four inches in diameter and not less than ten feet in length, of which four feet shall be above the ground level and the remainder shall be securely embedded in cement. The top of the pipe must be permanently sealed.

8. If any casing is to be pulled after a well has been abandoned, a notice of intent to pull casing must be filed with the division and its approval obtained before the work is commenced. The notice shall include full details of the contemplated work. If a log of the well has not already been filed with the division, the notice shall be accompanied by a copy of the log showing all casing seats as well as all water strata and oil and gas shows. Where the well has been abandoned and liability has been terminated with respect to the bond previously furnished under R649-3-1, a $10,000 plugging bond shall be filed with the division by the applicant.

R649-3-25. Underground Disposal Of Drilling Fluids.

1. Operators shall be permitted to inject and dispose of reserve pit drilling fluids downhole in a well upon submitting an application for such operations to the division and obtaining its approval. Injection of reserve pit fluids shall be considered by the division on a case-by-case basis.

2. Each proposed injection procedure will be reviewed by the division for conformance to the requirements and standards for permitting disposal wells under R649-5-2 to assure protection of fresh-water resources.

3. The subsurface disposal interval shall be verified by temperature log, or suitable alternative, during the disposal operation.

4. The division shall designate other conditions for disposal, as necessary, in order to ensure safe, efficient fluid disposal.

R649-3-26. Seismic Exploration.

1. Form 1, Application for Permit to Conduct Seismic Exploration shall be submitted to the division by the seismic contractor at least seven days prior to commencing any type of seismic exploration operations. In cases of emergency, approval may be obtained either verbally or by telegraphic communication. Changes of plans or line locations may be implemented in an emergency situation without division approval. Within five days after the change is performed, the seismic contractor shall submit written notice of the change to the division.

1.1 The permit may be revoked at any time by the division for failure to comply with the rules and orders of the board.

1.2. Any request to deviate from the general plugging and operations procedures of these rules shall be included on the permit application.

1.3. The name, address, and telephone number of the seismic contractor's local contact shall be submitted to the division as soon as determined if not available when the permit application is submitted.

1.4. After review of the application for a seismic permit, the division may require written permission of the owner of the surface of the affected land if it is determined that the seismic operation may significantly impact any building, pipeline, water well, flowing spring, or other cultural or natural feature in the area.

1.5. The permit will be in effect for six months from the date of approval. The permit may be extended upon application to and approval by the division.

2. Bonding shall not be required for seismic exploration requiring the drilling of shot holes.

3. Seismic contractors shall give the division at least 24 hours advance notice of the plugging of seismic holes. The notice shall include the date and time the plugging activities are expected to commence, the name and address of the seismic contractor responsible for the holes, and, if different, the name and address of the hole plugging company.

4. Unless the seismic contractor can prove to the satisfaction of the division that another method will provide adequate protection to ground water resources and other man-made or natural features and will provide long-term land stability, the following procedures shall be required for the conduct of seismic operations and hole plugging:

4.1. Seismic contractors shall take reasonable precautions to avoid conducting shot hole operations closer than 1,320 feet to any building, pipeline, water well, flowing spring, or other cultural/natural feature, e.g., a historical monument, marker, or structure, which may be adversely affected by the seismic operations.

4.2. When nonartesian water is encountered while drilling seismic shot holes, the holes shall be filled from the bottom up with a high grade bentonite/water slurry mixture. The slurry shall have a density that is at least four percent greater than the density of fresh water and shall have a marsh funnel viscosity of at least 60 seconds per quart. The density and viscosity of the slurry are to be measured prior to adding cuttings. Cuttings not added to the slurry are to be disposed of in accordance with R649-3-26-4.6. Upon approval by the division, any other suitable plugging material commonly used in the industry may be substituted for the bentonite/water slurry as long as the physical characteristics of the substitute plugging material are at least comparable to those of the bentonite/water slurry. The hole shall be filled with the substitute plugging material from the bottom up to a depth of three feet below ground level. A nonmetallic permaplug shall be set at a depth of three feet. The remaining hole shall be filled and tamped to the surface with cuttings and native soil. The permaplug shall be imprinted with an approved identification number or mark.

4.3. When drilling with air only, and in completely dry holes, plugging may be accomplished by returning the cuttings to the holes, tamping the returned cuttings to the depth of three feet below ground level, and setting the permaplug topped with more cuttings and soil. A small mound shall be left over the

hole for settling allowance.

4.4. If artesian flow, water flowing at the surface, is encountered in the drilling of any seismic hole, cement shall be used to seal off the water flow to prevent cross-flow, erosion, or contamination of fresh water supplies. Unless severe weather conditions prevent access, the holes shall be cemented immediately. Approval may be granted to seismic operator to plug a flowing hole in another manner, if it is proved to this division that the alternate method will provide adequate protection to ground water resources and provide long term land stability. The owner of the surface of the land affected may assume liability for a seismic hole capable of conversion to a water well by sending a letter assuming such liability to the division and by filing an application with and obtaining approval for appropriation of underground water from the Division of Water Rights.

4.5. Shotholes shall be properly plugged and abandoned as soon as practical after the shot has been fired. No shothole shall be left unplugged for more than 30 days without approval of the division. Until properly plugged, shotholes shall be covered with a tin hat or other similar cover. The hats shall be imprinted with the seismic contractor's name or initials.

4.6. Any slurry, drilling fluids, or cuttings which are deposited on the surface around the seismic hole shall be raked or otherwise spread out to a height of not more than one inch above the surface, so that the growth of the natural grasses or foliage will not be impaired.

4.7. Restoration plans required by the Mined Land Reclamation Act, Chapter 8 of Title 40, or by any other surface management agency will be accepted by the division. The surface area around each seismic shothole shall be reclaimed and reseeded to its original condition insofar as such restoration is practical and is required by the surface management agency. All flagging, stakes, cables, cement, or mud sacks shall be removed from the drill site and disposed of in an acceptable manner.

5. Upon application to the division, approval may be obtained for preplugging of shotholes using coarse bentonite material or a suitable alternative used in the industry. Preplugging of holes in this manner shall be performed according to the following procedures:

5.1. A sales receipt indicating proof of purchase of an adequate amount of coarse bentonite to properly plug all shotholes shall be submitted to the division upon request.

5.2. For shotholes drilled with air which are completely dry, the seismic contractor shall have the option of preplugging with the coarse bentonite material or of using an alternate plugging material under R649-3-26-4.3.

5.3. For conventionally drilled, wet holes, enough approved material shall be used to cover the initial water level, i.e., the depth of the initial water level in the hole prior to adding coarse bentonite material shall be equal to the final plug depth. An additional ten feet of approved material shall be placed above this depth and hole cuttings shall be used to fill the remainder of the hole to a depth of three feet below ground level. A nonmetallic plug imprinted with an approved identification number or mark shall be installed at this depth. The remaining three feet of hole shall be filled and tamped to the surface with cuttings and native soil. The remaining cuttings shall be raked or spread to a height not to exceed one inch above ground level.

5.4. When using heliportable drills and insufficient cuttings are available, the hole shall be preplugged with bentonite plugging material or an approved alternate material to a depth of three feet below ground level. Installation of a nonmetallic plug and filling the remainder of the hole shall be performed as required by R649-3-26-5.3.

5.5. The coarse bentonite plugging material shall have the following specifications - chemically unaltered sodium bentonite, coarse ground, three quarter inch maximum size, not more than 19% moisture content and not more than 15% inert solids by volume.

6. Form 2, Seismic Exploration Completion Report shall be submitted to the Division within 60 days after completion of each seismic exploration project. The report shall include:

Certification by the seismic contractor that all shot holes have been plugged as prescribed by the division.

R649-3-27. Multiple Mineral Development.

1. Drilling operations conducted in areas designated by the board for multiple mineral development shall comply with all rules or orders of the board for drilling, casing, cementing, and plugging except as the general rules or orders may be modified by this rule.

2. It is the policy of the division to promote the development of all mineral resources on land under its jurisdiction. Consistent with that policy, operators engaged in oil and gas operations on lands on which operators are exploring for and developing mineral resources other than oil and gas may enter into a cooperative agreement with these other operators with respect to multiple mineral development. The agreement shall define:

2.1. The extent and limits of liability when one operator, either intentionally or unintentionally, interferes with or damages the deposits of another.

2.2. The coordination of access to and development of the area.

2.3. Mitigation of surface impact including but not limited to issues pertaining to relocation of natural gas pipeline gathering and distribution systems and other surface facilities occasioned by placement of a spent shale pile; phased or coordinated surface occupancy so as to allow each operator to enjoy his respective mineral estate with the least disruption of operations and damage to the oil and gas deposits, either directly or indirectly, through waste; and limitation of oil and gas operations in areas of concentrated surface oil shale facilities.

2.4. Mitigation of subsurface impact including but not limited to issues pertaining to the interface in the underground environment of oil shale mining operations with other mineral operations.

2.5. The extent of exchange of geological, engineering, and production data.

2.6. Other cooperative efforts consistent with multiple mineral development under the rules and orders of the board pertaining to oil and gas operations, oil shale operations, and mined land reclamation.

3. The division, together with the Division of State Lands

and Forestry, where applicable, shall be signatory to the agreement.

4. In the event the operators cannot agree on cooperative development of their respective mineral deposits, or having once entered into a cooperative agreement subsequently disagree on the application of the terms and provisions thereof, any operator whose oil and gas or mining operation or deposit may be adversely affected or damaged by the operations of another operator may apply to the board for, or the board may on its own motion enter an order, after notice and hearing, delineating the respective rights and obligations of all operators with respect to development of all minerals concerned.

5. After notice and hearing the board may modify its order to more effectively carry out the policies of multiple mineral development.

R649-3-28. Designated Potash Areas.

1. In any area designated as a potash area, either by the board, the Division of State Lands and Forestry or an appropriate federal agency, all wells shall be drilled, cased, cemented, and plugged in accordance with the rules and orders of the board. The following minimum requirements and definitions shall also apply to the drilling, logging, casing, and plugging operations within the Salt Section to protect against migration of oil, gas, or water into or within any formation or zone containing potash. As used in this rule, Salt Section shall mean the Paradox Salt Section of Pennsylvanian Age.

2. Any drilling media used through the Salt Section shall be such that sodium chloride is not soluble in the media at normal temperatures.

3. Gamma ray-neutron, gamma ray-sonic or other appropriate logs shall be run promptly through the Salt Section. One field copy of the log through the Salt Section shall be submitted to the division within ten days, or upon the request of the division, whichever is the earlier.

4. A directional survey shall be run from a point at least 20 feet below the Salt Section to the surface. The survey shall be filed with the division prior to completion or plugging and abandonment of the well.

5. In addition to the requirements of the R649-3-8, any casing set into or through the Salt Section shall be cemented solidly through the Salt Section above the casing shoe.

6. Any cement used in setting casing or in plugging which comes in contact with the Salt Section shall be of such chemical composition as to avoid dissolution of the Salt Section and to provide weight, strength, and physical properties sufficient to protect uphole formations and prevent blowouts or uncontrolled flows.

7. If a well is dry, cement plugs at least 200 feet in length shall be placed across the top and the base of the Salt Section, across any oil, gas or water show, and across any potash zone. Plugs shall not be required inside a properly cemented casing string. The division shall approve the location of the plugs after examining the appropriate logs, drilling and testing records for the well. No well shall be temporarily abandoned with open hole in the Salt Section.

8. The division may inspect the drilling operations at all times, including any mining operations that may affect any drilling or producing well bores. A potash owner, if contributing by agreement to the logging and directional survey costs of a well, may inspect the well for compliance with this rule.

9. Before commencing drilling operations for oil or gas on any land within designated potash area, the operator shall furnish by registered mail, a copy of the APD, together with the plat or map required under R649-3-4, to all potash owners and lessees whose interests are within a radius of 2,640 feet of the proposed well.

10. After proper notice and hearing, the board may modify this rule for a particular well or area by requiring that greater or lesser precautions be taken to prevent the escape of oil, gas, or water from one stratum into another. The board may also expand or contract from the designated potash areas.

R649-3-29. Workable Coal Beds.

1. Prior to commencing drilling operations for oil and gas on any lands where there are mine workings, the operator shall furnish a copy of the APD, a plat or map as required under R649-3-4, and a designation of the proposed angle and direction of the well, if the well is to be deviated substantially from a vertical course, to all coal owners and lessees whose interests are within a radius of 5,280 feet of the proposed well.

2. A well penetrating one or more workable coal beds or mine workings shall be drilled to a depth and shall be of a size, to permit the placing of casing in the hole at the points and in the manner necessary to exclude all oil, gas or gas pressure from the coal bed, other than oil, gas or gas pressure originating in the coal bed.

3. Unless otherwise authorized by the division, the casing run through a coal bed shall be seated at least 50 feet into the closest impervious formation below the coal bed. The casing shall be cemented solidly through the coal bed to a height at least 50 feet into the closest impervious formation above the coal bed.

4. A directional survey or a cement bond log shall be performed and furnished to the division upon written request by the division.

5. Upon penetrating a coal bed the operator shall notify the division, in writing, before completing or plugging and abandoning the well.

R649-3-30. Underground Mining Operations.

1. Prior to commencing drilling operations for oil and gas on any land where there are known or suspected underground mining operations, solution mining operations or surface mining operations, including solar evaporation ponds, the operator shall include in the APD or in a separate cover letter, any information known to the operator concerning the name and address of the owner or operator of the mining workings.

2. The division may, with the concurrence of the operator, change the surface location of the proposed well if there appears to be any possibility of interference between the proposed well bore and the mine workings.

R649-3-31. Designated Oil Shale Areas.

1. Designated oil shale areas are subject to the general drilling, plugging and other performance standards described in this section, except where the board has adopted, by order,

specific standards for individual oil shale areas. As of June 8, 2001, the board has adopted specific standards for individual oil shale areas by board orders in Cause Nos. 190-5(b), 190-3, and 190-13. The board may adopt specific standards in other areas, or modify the above orders, in the future.

2. Lands may be designated as an oil shale area by the board, either upon its own motion, or upon the petition of an interested person following notice and hearing.

3. As used in this rule, oil shale section means the sequence of strata containing oil shale beds, including any interbedded strata not containing oil shale, consisting of the Parachute Creek Member of the Green River Formation of Tertiary Age, defined as the stratigraphic equivalent of the interval between 1,428 feet and 2,755 feet below the Kelly Bushing on the induction-electrical log of the Ute Trail No. 10 well drilled by Dekalb Agricultural Association, Inc. and located in the NE 1/4 of Section 34, Township 9 South, Range 21 East, S.L.M., Uintah County, Utah.

The Mahogany Zone is defined as the stratigraphic equivalent of the interval between 2,230 feet and 2,360 feet below the Kelly Bushing on the induction-electrical log of the Ute Trail No. 10 well drilled by Dekalb Agricultural Association, Inc., and located in the NE 1/4 of Section 34, Township 9 South, Range 21 East, S.L.M., Uintah County, Utah.

4. For purposes of identifying the oil shale intervals, an appropriate electrical log shall be run through the oil shale section. One field copy of the log through the oil shale section shall be made available to the division pursuant to R649-3-23 or upon written request by the division.

5. On all wells which are intentionally deviated from the vertical within the oil shale section, pursuant to the provisions of R649-3-10 and R649-3-11, a directional survey shall be run from a point at least 20 feet below the oil shale section to the surface and shall thereafter be filed with the division within 20 days after reaching total depth.

6. Any oil shale lessee or operator whose oil shale mine workings reach a distance of 2,640 feet from a producing well or any oil and gas lessee or operator whose producing well is approached by oil shale mine workings within a distance of 2,640 feet shall request agency action with the board. The board may promulgate an order after notice and hearing with respect to the running of a directional survey through the oil shale section, the cost and potential resource loss liability and responsibility as to the oil and gas operator and the oil shale lessee or operator and any other issues regarding multiple mineral development.

7. The directional survey shall be the confidential property of the parties paying for the survey and shall be kept confidential until released by said parties or the division.

8. In addition to the requirements pertaining to the cementing of casing contained in the R649-3-8, any casing set into or through the oil shale section shall be cemented over the entire oil shale section.

9. If a well is dry, junked or abandoned, a cement plug shall be placed across that portion of the oil shale section extending 200 feet above and 200 feet below the longitudinal center of the Mahogany Zone. The cement plug shall not be required inside a casing cemented in accordance with R649-3-31-7. When the casing is cemented, cement plugs 200 feet in length shall be centered across the top and across the base of the Parachute Creek Member of the Green River Formation.

10. In the event the casing is not cemented in accordance with R649-3-31-7, the division shall approve the method and procedure to prevent the migration of oil, gas, and other substances through the wellbore from one formation to another.

11. The division shall approve the adequacy and location of the cement plugs after examining the appropriate logs and drilling and testing records for the well, to ensure that the oil shale section is adequately protected.

12. Upon written request of the owner or operator under R649-8-6, the division shall keep all well logs confidential. The division may inspect the drilling operations at all times, including any mining operations that may affect drilling or producing well bores.

13. Before commencing drilling operations for oil or gas on any land within a designated oil shale area, the operator shall furnish a copy of the APD, together with a plat or map as directed under R649-3-4, to all oil shale owners or their lessees whose interests are within a radius of 2,640 feet of the proposed well. A notice of intention to plug and abandon any well in the oil shale area, as required under R649-3-24-1, shall be furnished to the owners or their lessees prior to commencement of plugging operations.

14. The operator shall use generally accepted techniques for vertical or directional drilling as defined under R649-3-10 and R649-3-11 to maintain the well bore within an intact core of a mine pillar. Within 20 days of reaching the total depth or before completion of the well, whichever is the earlier, a directional survey shall be run as prescribed by this rule.

R649-3-32. Reporting of Undesirable Events.

1. The division shall be notified of all fires, leaks, breaks, spills, blowouts, and other undesirable events occurring at any oil or gas drilling, producing, or transportation facility, or at any injection or disposal facility.

2. Immediate notification shall be required for all major undesirable events as outlined in R649-3-32-5. Immediate notification shall mean a verbal report submitted to the division as soon as practical but within a maximum of 24 hours after discovery of an undesirable event. A complete written report of the incident shall also be submitted to the division within five days following the conclusion of an undesirable event. The requirements for written reports are specified in R649-3-32-4.

3. Subsequent notification shall be required for all minor undesirable events as outlined in R649-3-32-6. Subsequent notification shall mean a complete written report of the incident submitted to the division within five days following the conclusion of an undesirable event. The requirements for written reports are specified in R649-3-32-4.

4. Complete written reports of undesirable events may be submitted on Form 9, Sundry Notice and Report on Wells. The report shall include:

4.1. The date and time of occurrence and, if immediate notification was required, the date and time the occurrence was reported to the Division.

4.2. The location where the incident occurred described by section, township, range, and county.

4.3. The specific nature and cause of the incident.

4.4. A description of the resultant damage.

4.5. The action taken, the length of time required for control or containment of the incident, and the length of time required for subsequent cleanup.

4.6. An estimate of the volumes discharged and the volumes not recovered.

4.7. The cause of death if any fatal injuries occurred.

5. Major undesirable events include the following:

5.1. Leaks, breaks or spills of oil, salt water or oil field wastes which result in the discharge of more than 100 barrels of liquid, which are not fully contained on location by a wall, berm, or dike.

5.2. Equipment failures or other accidents which result in the flaring, venting, or wasting of more than 500 Mcf of gas.

5.3. Any fire which consumes the volumes of liquid or gas specified in R649-3-32-5.1 and R649-3-32-5.2.

5.4. Any spill, venting, or fire, regardless of the volume involved, which occurs in a sensitive area stipulated on the approval notice of the initial APD for a well, e.g., parks, recreation sites, wildlife refuges, lakes, reservoirs, streams, urban or suburban areas.

5.5. Each accident which involves a fatal injury.

5.6. Each blowout, loss of control of a well.

6. Minor undesirable events include the following:

6.1. Leaks, breaks or spills or oil, salt water, or oil field wastes which result in the discharge of more than ten barrels of liquid and are not considered major events in R649-3-32-5.

6.2 Equipment failures or other accidents which result in the flaring, venting or wasting of more than 50 Mcf of gas and are not considered major events in R649-3-32-5.

6.3. Any fire which consumes the volumes of liquid or specified in R649-3-32-6.1 and R649-3-32-6.2.

6.4. Each accident involving a major or life-threatening injury.

R649-3-33. Drilling Procedures in the Great Salt Lake.

1. For all drilling activities proposed within the Great Salt Lake, the APD required by R649-3-4 shall be filed at least 30 days prior to the date on which the operator intends to commence operations. As part of the APD, the operator shall include:

1.1. The name of the drilling contractor and the number and type of rig to be used.

1.2. An illustration of the boundaries of all state or federal parks, wildlife refuges, or waterfowl management areas within one mile of the proposed well location.

1.3. An illustration of the locations of all evaporation pits, producing wells, structures, buildings, and platforms within one mile of the proposed well location.

1.4. An oil spill emergency contingency plan.

2. Unless permitted by the board after notice and hearing, no well shall be drilled which has a surface location:

2.1. Within 1,320 feet from an evaporation pit without the consent of the operator of such pit.

2.2. Within one mile from the boundary of a state or federal park, wildlife refuge, or waterfowl management area without the consent of the appropriate state or federal regulatory agency.

2.3. Within three miles of Gunnison Island during the Pelican nesting season (March 15 through September 30) or within one mile from said island at any other time.

2.4. Within any area south of the Salt Lake Base Meridian Line.

2.5. Within any area north of Township 10 North.

2.6. Within one mile inside of what would be the water's edge if the water level of the Great Salt Lake were at the elevation of 4,193.3 feet above sea level.

3. Well casing and cementing shall be subject to the following special requirements for the purpose of this rule, the several casing strings in order of normal installation are drive or structural casing, conductor casing, surface casing, intermediate casing, and production casing. All depths refer to true vertical depth:

3.1. The drive or structural casing shall be set by drilling, driving or jetting to a minimum depth of 50 feet below the floor of the lake bed or to such greater depth required to support unconsolidated deposits and to provide hole stability for initial drilling operations. If drilled in, the drilling fluid shall be a type that will not pollute the lake; in addition, a quantity of cement sufficient to fill the annular space back to the lake floor with returns circulated, must be used.

3.2. The conductor casing shall be set at a minimum depth of 200 feet below the floor of the lake, and shall be cemented with a quantity sufficient to fill the annular space back to the lake surface with returns circulated.

3.3. The surface casing shall be set at a minimum depth of 500 feet if the proposed depth of the well is less than 7,000 feet; or 1,000 feet if the proposed depth is over 7,000 feet but less than 11,000 feet; or 1,500 feet if the depth is 11,000 feet. The casing shall be cemented with a quantity sufficient to fill the annular space back to the lake surface with returns circulated, and the bottom of the casing shall be in competent rock.

3.4. The intermediate and production casing shall be set at any time when drilling below the surface casing and hole conditions justify setting casing. This casing will be cemented in such a manner that all hydrocarbons, water aquifers, lost-circulation or zones of significant porosity and permeability, significant beds containing priority minerals, and abnormal pressure intervals are covered or isolated.

3.5. Prior to drilling the plug after cementing, all casing strings except the drive or structural casing, shall be pressure tested. This test shall not exceed the rated working pressure of the casing. If the pressure declines more than ten percent in 30 minutes, or if there are other indications of a leak, corrective measures must be taken until a satisfactory test is obtained. All casing pressure tests shall be recorded on the driller's log.

4. Blowout preventers and related well control equipment shall be installed, and tested in a manner necessary to prevent blowouts and shall be subject to the following special conditions:

4.1. Prior to drilling below the surface casing, blowout prevention equipment shall be installed and maintained ready for use until drilling operations are completed.

4.2. An inside blowout preventer assembly and a full opening string safety valve in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted. Valves shall be maintained on the rig

floor to fit all pipe in the drill string. A top kelly cock shall be installed below the swivel and another at the bottom of the kelly of such design that it can be run through the blowout preventers.

4.3. Before drilling below the surface casing the blowout prevention equipment shall include a minimum of:

4.3.1. Three remotely and manually controlled, hydraulically operated blowout preventers with a rated working pressure which exceeds the maximum anticipated surface pressure, including one equipped with pipe rams, one with blind rams and one hydril type.

4.3.2. A drilling spool with side outlets, if side outlets are not provided in the blowout preventer body.

4.3.3. A choke manifold.

4.3.4. A kill line.

4.3.5. A fill-up line.

4.4. Ram-type blowout preventers and related control equipment shall be tested to the rated working pressure of the stack assembly or to the working pressure of the casing, whichever is the lesser, at the following times:

4.4.1. When installed.

4.4.2. Before drilling out after each string of casing is set.

4.4.3. Not less than once each week while drilling.

4.4.4. Following repairs that require disconnecting a pressure seal in the assembly.

4.5. The hydril-type blowout preventer shall be tested to 70 percent of the pressure testing requirements of ram-type blowout preventers. The hydril-type blowout preventer shall be actuated on the drill pipe once each week.

4.6. Accumulators or accumulators and pumps shall maintain a reserve capacity at all times to provide for repeated operation of hydraulic preventers.

4.7. A blowout prevention drill shall be conducted weekly for each drilling crew to insure that all equipment is operational and that crews are properly trained to carry out emergency duties. All blowout preventer tests and crew drills shall be recorded on the driller's log.

5. The characteristics and use of drilling mud and the conduct of related drilling procedures shall be such as are necessary to maintain the well in a safe condition to prevent uncontrolled blowouts of any well. Quantities of mud materials sufficient to insure well control shall be maintained and readily accessible for use at all times.

6. Mud testing equipment shall be maintained on the derrick floor at all times, and mud tests consistent with good operating practice shall be performed daily, or more frequently as conditions warrant. The following mud system monitoring equipment must be installed, with derrick floor indicators, and used throughout the period of drilling after setting and cementing the surface casing:

6.1. A recording mud pit level indicator including a visual and audio warning device to determine mud pit volume gains and losses.

6.2. A mud return indicator to determine when returns have been obtained, or when they occur unintentionally, and additionally to determine that returns essentially equal the pump discharge rate.

7. In the conduct of all oil and gas operations, the operator shall prevent pollution of the waters of the Great Salt Lake. The operator shall comply with the following pollution prevention requirements:

7.1. Oil in any form, liquid or solid wastes containing oil, shall not be disposed of into the waters of the lake.

7.2. Liquid or solid waste materials containing substances which may be harmful to aquatic life or wildlife, or injurious in any manner to life and property, or which in any way unreasonably adversely affects the chemicals or minerals in the lake shall not be disposed of into the waters of the lake.

7.3. Waste materials, exclusive of cuttings and drilling media, shall be transported to shore for disposal.

8. All spills or leakage of oil and liquid or solid pollutants shall be immediately reported to the division. A complete written statement of all circumstances, including subsequent clean-up operation, shall be forwarded to said agencies within 72 hours of such occurrences.

9. Standby pollution control equipment consistent with the state of the art, shall be maintained by, and shall be immediately available to, each operator.

R649-3-34. Well Site Restoration.

1. The operator of a well shall upon plugging and abandonment of the well restore the well site in accordance with these rules.

2. For all land included in the well site for which the surface is federal, Indian, or state ownership, the operator shall meet the well site restoration requirements of the appropriate surface management agency.

3. For all land included in the well site for which the surface is fee or private ownership, the operator shall meet the well site restoration requirements of the private landowner or the minimum well site restoration requirements established by the division.

4. Well site restoration on lands with fee or private ownership shall be completed within one (1) year following the plugging of a well unless an extension is approved by the division for just and reasonable cause.

5. These rules shall not preclude the opportunity for a private landowner to assume liability for the well as a water well in accordance with R649-3-24.6.

6. The operator shall make a reasonable effort to establish surface use agreements with the owners of land included in the well site prior to the commencement of the following actions on fee or private surface:

6.1 Drilling a new well.

6.2. Reentering an abandoned well.

6.3. Assuming operatorship of existing wells.

7. Upon application to the division to perform any of the aforementioned and prior to approval of such actions by the division, the operator shall submit an affidavit to the division stating whether appropriate surface use agreements have been established with and approved by the surface landowners of the well site.

8. If necessary and upon request by the division, the operator shall submit a copy of the established surface use agreements to the division.

9. If no surface use agreement can be established, the division shall establish minimum well site restoration requirements for any well located on fee or private surface for the purposes of final bond release.

10. Established surface use agreements may be modified or terminated at any time by mutual consent of the involved parties; however, the operator shall notify the division if such is the case and if a surface use agreement is terminated without a new agreement established, the division shall establish minimum well site reclamation requirements.

11. The operator shall be responsible for meeting the requirements of any surface use agreement, and it shall be assumed by the division until notified otherwise that surface use agreements remain in full force and effect until all the requirements of the agreement are satisfied or until the agreement has been terminated by mutual consent of the involved parties.

12. The surface use agreement shall stipulate the minimum well site restoration to be performed by the operator in order to allow final release of the bond.

13. The final bond release by the division shall include a determination by the division whether or not the operator has met the requirements of an established surface use agreement, and the division may suspend final bond release until the operator has completed all the requirements of the surface use agreement.

14. The agreement may state requirements for well site grading, contouring, scarification, reseeding, and abandonment of any equipment or facilities for which the landowner agrees to assume liability.

15. The agreement shall not address operations regulated by the rules and orders of the board such as:

15.1. Disposal of drilling fluid, produced fluid, or other fluid waste associated with the drilling and production of the well.

15.2. Reclamation or treating of waste crude oil.

15.3. Any other operation or condition for which the board has jurisdiction.

16. If the operator cannot establish surface use agreements then the operator shall so notify the division.

17. Within 30 days of the notification or as soon as weather conditions permit, the division shall conduct an inspection and evaluation of the well site in order to establish minimum well site restoration requirements for the purpose of final bond release.

18. The operator shall be given notice by the division of the date and time of the inspection, and if the operator cannot attend the inspection at the scheduled date and time, the division may reschedule the inspection to allow the operator to participate.

19. The surface landowner, agent or lessee shall be given notice by the operator of such inspection and may participate in the inspection; however, if the surface landowner cannot attend the inspection, the division shall not be required to reschedule the inspection in order to allow the surface landowner to participate.

20. The evaluation shall consider the condition of the land prior to disturbance, the extent of proposed disturbance, the degree of difficulty to conduct complete restoration, the potential for pollution, the requirements for abating pollution, and the possible land use after plugging and restoration are completed.

21. Within 30 days after performing the inspection, the division shall provide the operator with the results of the inspection and the evaluation listing the minimum well site restoration requirements established by the division.

22. The division shall retain a record of the inspection and the evaluation, and if necessary and upon written request by an interested party, the division shall provide a copy of the minimum well site restoration requirements established by the division.

23. If any person disagrees with the results of the inspection and the evaluation and desires a reconsideration of the minimum well site restoration requirements established by the division, such person may submit a request to the board for a hearing and order to modify the requirements.

24. The board, after proper notice and hearing, may issue an order modifying the minimum well site restoration requirements established by the division.

25. The minimum well site restoration requirements established by the division or by board order shall be considered part of any permit granted by the division to conduct operations at a well site, and the inability of the operator to meet such requirements shall be considered grounds for forfeiture of the bond.

26. If the minimum well site restoration requirements suggest to the division that bond coverage for a well should be increased, the division shall take action as stated in R649-3-1.

R649-3-35. Wildcat Wells.

1. For purposes of qualifying for a severance tax exemption under Section 59-5-102(2)(d), an operator must file an application with the division for designation of a wildcat well. The application may be filed prior to drilling the well, and a tentative determination of the wildcat designation will be issued at that time. An application or request for final designation of wildcat status as appropriate, must be filed at the time of filing of Form 8, Well Completion or Recompletion Report and Log. The application shall contain, where applicable, the following information:

1.1. A plat map showing the location of the well in relation to producing wells within a one mile radius of the wellsite.

1.2. A statement concerning the producing formation or formations in the wildcat well and also the producing formation or formations of the producing wells in the designated area, including completion reports and other appropriate data.

1.3. Stratigraphic cross sections through the producing wells in the designated area and the proposed wildcat well.

1.4. A statement as to whether the well is in a known geologic structure. However, whether the well is in a known geologic structure shall not be the sole basis of determining whether the well is a wildcat.

1.5. Bottomhole pressures, as applicable, in a wildcat well compared to the wells producing in the designated area from the same zone.

1.6. Any other information deemed relevant by the applicant or requested by the division.

2. Information derived from well logs, including certain information in completion reports, stratigraphic cross sections, bottomhole pressure data, and other appropriate data provided in R649-3-35-1 will be held confidential in accordance with

R649-2-11 at the request of the operator.

3. The division shall review the submitted information and advise the operator and the State Tax Commission of its decision regarding the wildcat well designation as related to Section 59-5-102(2)(d).

4. The division is responsible for approval of a request for designation of a well as a wildcat well. If the operator disagrees with the decision of the division, the decision maybe appealed to the board. Appeals of all other tax-related decisions concerning wildcat wells should be made to the State Tax Commission.

R649-3-36. Shut-in and Temporarily Abandoned Wells.

1. Wells may be initially shut-in or temporarily abandoned for a period of twelve (12) consecutive months. If a well is to be shut-in or temporarily abandoned for a period exceeding twelve (12) consecutive months, the operator shall file a Sundry Notice providing the following information:

1.1. Reasons for shut-in or temporarily abandonment of the well,

1.2. The length of time the well is expected to be shut-in or temporarily abandoned, and

1.3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment.

2. After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action to be taken to establish and maintain the well's integrity.

3. After five (5) years of nonactivity or nonproductivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator.

4. If after a five (5) year period the well is ordered plugged by the Division, and the operator does not comply, the operator shall forfeit the drilling and reclamation bond and the well shall be properly plugged and abandoned under the direction of the Division.

R649-3-37. Enhanced Recovery Project Certification.

1. In order for incremental production achieved from an enhanced recovery project to qualify for the severance tax rate reduction provided under Subsection 59-5-102(4), the operator on behalf of the producers shall present evidence demonstrating that the recovery technique or techniques utilized qualify for an enhanced recovery determination and the Board must certify the project as an enhanced recovery project.

2. For enhanced recovery projects certified by the Board after January 1, 1996:

2.1. As part of the process of certifying incremental production which qualifies for a reduction in the severance tax rate under Subsection 59-5-102(4), the operator shall furnish the Division an extrapolation (projection) and tabulation of expected non-enhanced recovery of oil and gas production from the project. The projection shall be for not less than seventy-two (72) months commencing with the first month following the project certification by the Board. The projection shall be based on production history of all wells within the project area for not less than twelve (12) months immediately preceding either certification or commencement of the project; reservoir and production characteristics; and the application of generally accepted petroleum engineering practices. The projected production volumes approved by the division shall serve as the base level production for purposes of determining the incremental oil and gas production which qualifies for a reduction in the severance tax rate.

2.2. The operator shall provide a statement as to all assumptions made in preparing the projection and any other information concerning the project that the division may reasonably require in order to evaluate the operator's projection.

2.3. An operator's request for incremental production certification may be approved administratively by the Director or authorized agent. The Director or authorized agent shall review the request within 30 days after its receipt and advise the operator of the decision. If the operator disagrees with the Director or authorized agent's decision, the operator may request a hearing before the Board at its next regularly scheduled hearing. The Director or authorized agent may also refer the matter to the Board if a decision is in doubt.

2.4. Upon approval of a request for incremental production certification, the Director or authorized agent shall forward a copy of the certification to the Utah Tax Commission.

KEY: oil and gas law
November 1, 2001 40-6-1 et seq.
Notice of Continuation April 30, 1997

R657. Natural Resources, Wildlife Resources.
R657-9. Taking Waterfowl, Wilson's Snipe and Coot.
R657-9-1. Purpose and Authority.

(1) Under authority of Sections 23-14-18 and 23-14-19, and in accordance with 50 CFR 20, 50 CFR 32.64 and 50 CFR 27.21, 2000 edition, which is incorporated by reference, the Wildlife Board has established this rule for taking waterfowl, Wilson's snipe, and coot.

(2) Specific dates, areas, limits, requirements and other administrative details which may change annually are published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

R657-9-2. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition:

(a) "Aggregate daily bag limit" means the maximum number of migratory game birds permitted to be taken by one person in any one day during the open season when such person hunts in more than one specified geographic area and/or for more than one species for which a combined daily bag limit is prescribed.

(b) "Aggregate possession limit" means the maximum number of migratory game birds of a single species or combination of species taken in the United States permitted to be possessed by any one person when taking and possession occurs in more than one specified geographic area for which a possession limit is prescribed. The aggregate possession limit is equal to, but shall not exceed, the largest possession limit prescribed for any one of the species or specified geographic areas in which taking and possession occurs.

(c) "Bait" means shelled, shucked or unshucked corn, wheat or other grain, salt or other feed that lures, attracts or entices birds.

(d) "Baited area" means any area on which shelled, shucked or unshucked corn, wheat or other grain, salt or other feed has been placed, exposed, deposited, distributed or scattered, if that shelled, shucked or unshucked corn, wheat or other grain, salt or other feed could serve as a lure or attraction for migratory game birds to, on, or over areas where hunters are attempting to take migratory game birds. Any such area will remain a baited area for ten days following the complete removal of all such shelled, shucked or unshucked corn, wheat or other grain, salt or other feed.

(e) "Baiting" means the direct or indirect placing, depositing, exposing, distributing or scattering of shelled, shucked or unshucked corn, wheat or other grain, salt or other feed that could serve as a lure or attraction for migratory game birds to, on, or over any areas where hunters are attempting to take migratory game birds.

(f) "CFR" means the Code of Federal Regulations.

(g) "Closed season" means, for purposes of this rule , the days on which migratory game birds shall not be taken.

(h) "Daily bag limit" means the maximum number of migratory game birds of a single species or combination (aggregate) of species permitted to be taken by one person in any one day during the open season in any one specified geographic area for which a daily bag limit is prescribed.

(i) "Live decoys" means tame or captive ducks, geese or other live birds.

(j) "Migratory game birds" means those migratory birds included in the terms of conventions between the United States and any foreign country for the protection of migratory birds, for which open seasons are prescribed in this part and belong to the following families:

(i) Anatidae (ducks, geese, including brant, and swans);

(ii) Columbidae (doves and pigeons);

(iii) Gruidae (cranes);

(iv) Rallidae (rails, coots, and gallinules); and

(v) Scolopocidae (woodcock and snipe).

(k) "Nontoxic shot" means soft iron, steel, copper-plated steel, nickel-plated steel, zinc-plated steel, bismuth-tin, tungsten-iron, tungsten-polymer, tungsten-matrix, tin and any other shot types approved by the U.S. Fish and Wildlife Service. Lead, nickel-plated lead, copper-plated lead, copper and lead/copper alloy shot have not been approved.

(l) "Off-highway vehicle" means any motor vehicle designed for or capable of travel over unimproved terrain.

(m) "Open season" means, for purposes of this rule, the days on which migratory game birds may lawfully be taken. Each period prescribed as an open season shall be construed to include the first and last days thereof.

(n) "Permanent waterfowl blind" means any waterfowl blind that is left unattended overnight and that is not a portable structure capable of immediate relocation.

(o) "Personal abode" means one's principal or ordinary home or dwelling place, as distinguished from one's temporary or transient place of abode or dwelling, such as a hunting club, or any cabin, tent or trailer house used as a hunting club or any hotel, motel or rooming house used during a hunting, pleasure or business trip.

(p) "Possession limit" means the maximum number of migratory game birds of a single species or a combination of species permitted to be possessed by any one person when lawfully taken in the United States in any one specified geographic area for which a possession limit is prescribed.

(q) "Sinkbox" means any type of low floating device, having a depression, affording the hunter a means of concealment beneath the surface of the water.

(r) "Transport" means to ship, export, import or receive or deliver for shipment.

(s) "Waterfowl" means ducks, mergansers, geese, brant and swans.

(t) "Waterfowl blind" means any manufactured place of concealment, including boats, rafts, tents, excavated pits, or similar structures, which have been designed to partially or completely conceal a person while hunting waterfowl.

(u) "Youth" means a person 12 to 15 years of age.

R657-9-3. Stamp Requirements.

(1) Any person 16 years of age or older may not hunt waterfowl without first obtaining a federal migratory bird stamp, and having the stamp in possession.

(2) The stamp must be validated by the hunter's signature in ink across the face of the stamp.

(3) A federal migratory bird stamp is not required for any person 12 through 15 years of age.

R657-9-4. Permit Applications for Swan.

(1) Applications for swan permits are available from license agents and division offices. Residents and nonresidents may apply.

(2)(a) Applications must be mailed by the date prescribed in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

(b) If an error is found on the application, the applicant may be contacted for correction.

(c) The division reserves the right to correct applications.

(3)(a) Late applications received by the date published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot will not be considered in the drawing, but will be processed for the purpose of entering data into the division's draw database to provide:

(i) future pre-printed applications;

(ii) notification by mail of late application and other draw opportunities; and

(iii) re-evaluation of division or third-party errors.

(b) The handling fee will be used to process the late application. Any license fees submitted with the application shall be refunded.

(c) Late applications received after the date published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot will not be processed and will be returned.

(4) A person may obtain only one swan permit each year

(5) A person may not apply more than once annually.

(6) Group applications are not accepted.

(7) A small game or combination license may be purchased before applying, or the small game or combination license will be issued to the applicant upon successfully drawing a permit.

(8) Each application must include:

(a) a $5 nonrefundable handling fee; and

(b) the small game or combination license fee, if it has not yet been purchased.

R657-9-5. Drawing.

(1)(a) Drawing results are posted at the Lee Kay Center for Hunter Education, Cache Valley Hunter Education Center, division offices and on the division Internet address on the date published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe, and coot.

(b) Any remaining permits are available by mail-in request or over the counter at the Salt Lake division office beginning on the date specified in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

(2)(a) The Division shall issue no more than the number of swan permits authorized by the U.S. Fish and Wildlife Service each year.

(b) The Division may withhold up to 1% of the authorized number of swan permits each year to correct division errors, which may occur during the drawing process.

(c) Division errors may be corrected using the withheld swan permits in accordance with the Division Error Policy.

(d) Withheld swan permits shall be used to correct Division errors reported to or discovered by the Division on or before the fifth day preceding the opening day of the swan hunt.

(e) Withheld swan permits remaining after correcting any division errors shall be issued prior to the opening day of the swan hunt to the next person on the alternate drawing list.

(3) Licenses and permits are mailed to successful applicants.

(4)(a) An applicant may withdraw their application for the swan permit drawing by requesting such in writing by the date published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe, and coot.

(b) The applicant must send their notarized signature with a statement requesting that their application be withdrawn to the Salt Lake Division office.

(c) An applicant may reapply in the swan drawing provided:

(d) the original application is withdrawn;

(e) the new application is submitted with the request to withdraw the original application;

(f) both the new application and request to withdraw the original application are received by the initial application deadline; and

(g) both the new application and request to withdraw the original application are submitted to the Salt Lake Division office.

(h) Handling fees will not be refunded.

(5)(a) An applicant may amend their application for the swan permit drawing by requesting such in writing by the initial application deadline.

(b) The applicant must send their notarized signature with a statement requesting that their application be amended to the Salt Lake Division office.

(c) The applicant must identify in their statement the requested amendment to their application.

R657-9-6. Tagging Swans.

(1) The carcass of a swan must be tagged before the carcass is moved from or the hunter leaves the site of kill as provided in Section 23-20-30.

(2) A person may not hunt or pursue a swan after the notches have been removed from the tag or the tag has been detached from the permit.

R657-9-7. Return of Swan Harvest and Hunt Information.

(1) Swan permit holders who do not hunt or are unsuccessful in taking a swan must complete the swan questionnaire included with the permit and return it to the division within ten days of the conclusion of the prescribed swan hunting season.

(2) Within three days of harvest, swan permit holders successful in taking a swan must personally present the swan or its head for measurement to the Division or the Bear River Migratory Bird Refuge and further provide all harvest information requested by the Division or Refuge.

(3) Hunters who fail to comply with the requirements of Subsections (1) or (2) shall be ineligible to:

(a) obtain a swan permit the following season; and

(b) obtain a swan permit after the first season of ineligibility until the swan orientation course is retaken.

R657-9-8. Purchase of License and Wildlife Habitat

Authorization by Mail.

(1) A person may purchase a license by mail by sending the following information to the Salt Lake division office: full name, complete mailing address, phone number, date of birth, weight, height, sex, color of hair and eyes, Social Security number, driver license number (if available), proof of hunter education certification, and fees.

(2)(a) Personal checks, money orders and cashier's checks are accepted.

(b) Personal checks drawn on an out-of-state account are not accepted.

(c) Checks must be made payable to the Utah Division of Wildlife Resources.

R657-9-9. Firearms.

(1) Migratory game birds may be taken with a shotgun or archery tackle.

(2) Migratory game birds may not be taken with a trap, snare, net, rifle, pistol, swivel gun, shotgun larger than 10 gauge, punt gun, battery gun, machine gun, fish hook, crossbow, poison, drug, explosive or stupefying substance.

(3) Migratory game birds may not be taken with a shotgun of any description capable of holding more than three shells, unless it is plugged with a one-piece filler, incapable of removal without disassembling the gun, so its total capacity does not exceed three shells.

R657-9-10. Nontoxic Shot.

(1) Only nontoxic shot may be in possession or used while hunting waterfowl and coot.

(2) A person may not possess or use lead shot:

(a) while hunting waterfowl or coot in any area of the state;

(b) on federal refuges;

(c) on the following waterfowl management areas: Bicknell Bottoms, Blue Lake, Brown's Park, Clear Lake, Desert Lake, Farmington Bay, Harold S. Crane, Howard Slough, Locomotive Springs, Manti Meadow, Mills Meadows, Ogden Bay, Powell Slough, Public Shooting Grounds, Salt Creek, Stewart Lake, Timpie Springs; or

(d) on the Scott M. Matheson wetland preserve.

R657-9-11. Use of Firearms on State Waterfowl Management Areas.

(1) A person may not possess a firearm or archery tackle on the following waterfowl management areas any time of the year except during the specified waterfowl hunting seasons or as authorized by the division:

(a) Box Elder County - Harold S. Crane, Locomotive Springs, Public Shooting Grounds, and Salt Creek;

(b) Daggett County - Brown's Park;

(c) Davis County - Farmington Bay, Howard Slough, and Ogden Bay;

(d) Emery County - Desert Lake;

(e) Millard County - Clear Lake;

(f) Tooele County - Timpie Springs;

(g) Uintah County - Stewart Lake;

(h) Utah County - Powell Slough;

(i) Wayne County - Bicknell Bottoms; and

(j) Weber County - Ogden Bay and Harold S. Crane.

(2) During the waterfowl hunting seasons, a shotgun is the only firearm that may be in possession.

R657-9-12. Airborne, Terrestrial, and Aquatic Vehicles.

Migratory game birds may not be taken:

(1) from or by means of any motorboat or other craft having a motor attached, or sailboat unless the motor has been completely shut off or sails furled and its progress has ceased: provided, that a craft under power may be used to retrieve dead or crippled birds; however, crippled birds may not be shot from such craft under power; or

(2) by means or aid of any motor driven land, water or air conveyance, or any sailboat used for the purpose of or resulting in the concentrating, driving, rallying or stirring up of any migratory bird.

R657-9-13. Airboats.

(1) Air-thrust or air-propelled boats and personal watercraft are not allowed in designated parts of the following waterfowl management or federal refuge areas:

(a) Box Elder County: Box Elder Lake, Bear River, that part of Harold S. Crane within one-half mile of all dikes and levees, Locomotive Springs, Public Shooting Grounds and Salt Creek, that part of Bear River Migratory Bird Refuge north of "D" line as posted.

(b) Daggett County: Brown's Park

(c) Davis County: Howard Slough, Ogden Bay and Farmington Bay within diked units.

(d) Emery County: Desert Lake

(e) Millard County: Clear Lake

(f) Tooele County: Timpie Springs

(g) Uintah County: Stewart Lake

(h) Utah County: Powell Slough

(i) Wayne County: Bicknell Bottoms

(j) Weber County: Ogden Bay within diked units or as posted and all of Harold S. Crane Waterfowl Management Area.

(2) "Personal watercraft" means a motorboat that is:

(a) less than 16 feet in length;

(b) propelled by a water jet pump; and

(c) designed to be operated by a person sitting, standing or kneeling on the vessel, rather than sitting or standing inside the vessel.

R657-9-14. Motorized Vehicle Access.

(1) Motorized vehicle travel is restricted to county roads, improved roads and parking areas.

(2) Off-highway vehicles are confined to those areas open to the use of airboats, and as marked and posted.

(3) Off-highway vehicles are not permitted on Bear River Migratory Bird Refuge.

(4) Motorized boat use is restricted on waterfowl management areas as specified in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

R657-9-15. Sinkbox.

A person may not take migratory game birds from or by means, aid, or use of any type of low floating device, having a depression affording the hunter a means of concealment beneath

the surface of the water.

R657-9-16. Live Decoys.

A person may not take migratory game birds with the use of live birds as decoys or from an area where tame or captive live ducks or geese are present unless such birds are and have been, for a period of ten consecutive days prior to such taking, confined within an enclosure which substantially reduces the audibility of their calls and totally conceals such birds from the sight of wild migratory waterfowl.

R657-9-17. Amplified Bird Calls.

A person may not use recorded or electrically amplified bird calls or sounds or recorded or electronically amplified imitations of bird calls or sounds.

R657-9-18. Baiting.

(1) A person may not take migratory game birds by the aid of baiting, or on or over any baited area where a person knows or reasonably should know that the area is or has been baited. This section does not prohibit:

(a) the taking of any migratory game bird on or over the following lands or areas that are not otherwise baited areas:

(i) standing crops or flooded standing crops (including aquatics), standing, flooded or manipulated natural vegetation, flooded harvested croplands, or lands or areas where seeds or grains have been scattered solely as the result of a normal agricultural planting, harvesting, post-harvest manipulation or normal soil stabilization practice;

(ii) from a blind or other place of concealment camouflaged with natural vegetation;

(iii) from a blind or other place of concealment camouflaged with vegetation from agricultural crops, as long as such camouflaging does not result in the exposing, depositing, distributing or scattering of grain or other feed; or

(iv) standing or flooded standing agricultural crops where grain is inadvertently scattered solely as a result of a hunter entering or exiting a hunting area, placing decoys or retrieving downed birds.

(b) The taking of any migratory game bird, except waterfowl, coots and cranes, on or over lands or areas that are not otherwise baited areas, and where grain or other feed has been distributed or scattered solely as the result of manipulation of an agricultural crop or other feed on the land where grown or solely as the result of a normal agricultural operation.

R657-9-19. Possession During Closed Season.

No person shall possess any freshly killed migratory game birds during the closed season.

R657-9-20. Live Birds.

(1) Every migratory game bird wounded by hunting and reduced to possession by the hunter shall be immediately killed and become part of the daily bag limit.

(2) No person shall at any time, or by any means possess or transport live migratory game birds.

R657-9-21. Waste of Migratory Game Birds.

(1) A person may not waste or permit to be wasted or spoiled any protected wildlife or any part of them.

(2) No person shall kill or cripple any migratory game bird pursuant to this rule without making a reasonable effort to immediately retrieve the bird and include it in that person's daily bag limit.

R657-9-22. Termination of Possession.

Subject to all other requirements of this part, the possession of birds taken by any hunter shall be deemed to have ceased when the birds have been delivered by the hunter to another person as a gift; to a post office, a common carrier, or a migratory bird preservation facility and consigned for transport by the Postal Service or common carrier to some person other than the hunter.

R657-9-23. Tagging Requirement.

(1) No person shall put or leave any migratory game bird at any place other than at that person's personal abode, or in the custody of another person for picking, cleaning, processing, shipping, transporting or storing, including temporary storage, or for the purpose of having taxidermy services performed unless there is attached to the birds a disposal receipt, donation receipt or transportation slip signed by the hunter stating the hunter's address, the total number and species of birds, the date such birds were killed and the Utah hunting license number under which they were taken.

(2) Migratory game birds being transported in any vehicle as the personal baggage of the possessor shall not be considered as being in storage or temporary storage.

R657-9-24. Donation or Gift.

No person may receive, possess or give to another, any freshly killed migratory game birds as a gift, except at the personal abodes of the donor or donee, unless such birds have a tag attached, signed by the hunter who took the birds, stating such hunter's address, the total number and species of birds taken, the date such birds were taken and the Utah hunting license number under which taken.

R657-9-25. Custody of Birds of Another.

No person may receive or have in custody any migratory game birds belonging to another person unless such birds are tagged as required by Section R657-9-23.

R657-9-26. Species Identification Requirement.

No person shall transport within the United States any migratory game birds unless the head or one fully feathered wing remains attached to each bird while being transported from the place where taken until they have arrived at the personal abode of the possessor or a migratory bird preservation facility.

R657-9-27. Marking Package or Container.

(1) No person shall transport by the Postal Service or a common carrier migratory game birds unless the package or container in which such birds are transported has the name and address of the shipper and the consignee and an accurate statement of the numbers and kinds of species of birds contained therein clearly and conspicuously marked on the outside thereof.

(2) A Utah shipping permit obtained from the division

must accompany each package shipped within or from Utah.

R657-9-28. Migratory Bird Preservation Facilities.

(1) No migratory bird preservation facility shall:

(a) receive or have in custody any migratory game bird unless accurate records are maintained that can identify each bird received by, or in the custody of, the facility by the name of the person from whom the bird was obtained, and show:

(i) the number of each species;

(ii) the location where taken;

(iii) the date such birds were received;

(iv) the name and address of the person from whom such birds were received;

(v) the date such birds were disposed of; and

(vi) the name and address of the person to whom such birds were delivered; or

(b) destroy any records required to be maintained under this section for a period of one year following the last entry on record.

(2) Record keeping as required by this section will not be necessary at hunting clubs that do not fully process migratory birds by removal of the head and wings.

(3) No migratory bird preservation facility shall prevent any person authorized to enforce this part from entering such facilities at all reasonable hours and inspecting the records and the premises where such operations are being carried out.

R657-9-29. Importation.

A person may not:

(1) import migratory game birds belonging to another person; or

(2) import migratory game birds in excess of the following importation limits:

(a) From any country except Canada and Mexico, during any one calendar week beginning on Sunday, not to exceed 10 ducks, singly or in the aggregate of all species, and five geese including brant, singly or in the aggregate of all species;

(b) From Canada, not to exceed the maximum number to be exported by Canadian authorities;

(c) From Mexico, not to exceed the maximum number permitted by Mexican authorities in any one day: provided that if the importer has his Mexican hunting permit date-stamped by appropriate Mexican wildlife authorities on the first day he hunts in Mexico, he may import the applicable Mexican possession limit corresponding to the days actually hunted during that particular trip.

R657-9-30. Use of Dogs.

(1) Dogs may be used to locate and retrieve migratory game birds during open hunting seasons.

(2) Dogs are not allowed on state wildlife management or waterfowl management areas, except during open hunting seasons or as posted by the division.

R657-9-31. Season Dates and Bag and Possession Limits.

(1) Season dates and bag and possession limits are specified in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

(2) A youth duck hunting day may be allowed for any person 15 years of age or younger as provided in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

R657-9-32. Closed Areas.

(1) A person may not trespass on state waterfowl management areas except during prescribed seasons, or for other activities as posted without prior permission from the division.

(2) A person may not participate in activities that are posted as prohibited.

(3) A person may not trespass, take, hunt, shoot at, or rally any waterfowl, snipe, or coot in the following specified areas:

(a) Brown's Park - That part adjacent to headquarters.

(b) Clear Lake - Spring Lake.

(c) Desert Lake - That part known as "Desert Lake."

(d) Farmington Bay - Headquarters area, within 600 feet of dikes and roads accessible by motorized vehicles and the waterfowl rest area in the northwest quarter of unit one as posted.

(e) Ogden Bay - Headquarters area.

(f) Public Shooting Grounds - That part as posted lying above and adjacent to the Hull Lake Diversion Dike known as "Duck Lake."

(g) Salt Creek - That part as posted known as "Rest Lake."

(h) Bear River Migratory Bird Refuge - For information contact the refuge manager, U.S. Fish and Wildlife Service, at (435) 723-5887. The entire refuge is closed to the hunting of snipe.

(i) Fish Springs and Ouray National Wildlife Refuges - Waterfowl hunters must register at Fish Springs refuge headquarters prior to hunting. Both refuges are closed to the hunting of swans, and Fish Springs is closed to the hunting of geese.

(j) State Parks

Hunting of any wildlife is prohibited within the boundaries of all state park areas except those designated open by appropriate signing as provided in Rule R651-614-4.

(k) Great Salt Lake Marina and adjacent areas as posted.

(l) Millard County

Gunnison Bend Reservoir and the inflow upstream to the Southerland Bridge.

(m) Salt Lake International Airport - Hunting and shooting prohibited as posted.

R657-9-33. Shooting Hours.

(1) A person may not hunt, pursue, or take wildlife, or discharge any firearm or archery tackle on state-owned lands adjacent to the Great Salt Lake, on division-controlled waterfowl management areas, or on federal refuges between official sunset and one-half hour before official sunrise.

(2) Legal shooting hours for taking or attempting to take waterfowl, Wilson's snipe, and coot are provided in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

R657-9-34. Falconry.

(1) Falconers must obtain a valid small game or combination license, a federal migratory bird stamp and a falconry certificate of registration to hunt waterfowl.

(2) Areas open and bag and possession limits for falconry are specified in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot.

R657-9-35. Migratory Game Bird Harvest Information Program (HIP).

(1) A person must obtain an annual Migratory Game Bird Harvest Information Program (HIP) registration number to hunt migratory game birds.

(2)(a) A person must call 1-800-WETLAND (1-800-938-5263) or register online at the address published in the proclamation of the Wildlife Board for taking waterfowl, Wilson's snipe and coot to obtain their HIP registration number. Use of a public pay phone will not allow access to 1-800-WETLAND.

(b) A person must write their HIP registration number on their current year's hunting license.

(3) Any person obtaining a HIP registration number will be required to provide their:

(a) hunting license number;

(b) hunting license code key;

(c) name;

(d) address;

(e) phone number;

(f) birth date; and

(g) information about the previous year's migratory bird hunts.

(4) Lifetime license holders will receive a sticker every three years from the Division to write their HIP number on and place on their lifetime license card.

(5) Any person hunting migratory birds will be required, while in the field, to prove that they have registered and provided information for the HIP program.

R657-9-36. Waterfowl Blinds on Waterfowl Management Areas.

(1) Waterfowl blinds on Division waterfowl management areas may be constructed or used as provided in Subsection (a) through Subsection (e).

(a) Waterfowl blinds may not be left unattended overnight, except for blinds constructed entirely of non-woody, vegetative materials that naturally occur where the blind is located.

(b) Trees and shrubs on waterfowl management areas that are live or dead standing may not be cut or damaged except as expressly authorized in writing by the Division.

(c) Excavating soil or rock on waterfowl management areas above or below water surface is strictly prohibited, except as expressly authorized in writing by the Division.

(d) Rock and soil material may not be transported to waterfowl management areas for purposes of constructing a blind.

(e) Waterfowl blinds may not be constructed or used in any area or manner, which obstructs vehicular or pedestrian travel on dikes.

(2) The restrictions set forth in Subsection (1)(a) through Subsection (1)(c) do not apply to the following waterfowl management areas:

(a) Farmington Bay Waterfowl Management Area - West and North of Unit 1, Turpin Unit and Crystal Unit.

(b) Howard's Slough Waterfowl Management Areas - West and South of the exterior dike separating the waterfowl management area's fresh water impoundments from the Great Salt Lake.

(c) Ogden Bay Waterfowl Management Area - West of Unit1, Unit 2, and Unit 3.

(d) Harold Crane Waterfowl Management Area - one half mile North and West of the exterior dike separating the waterfowl management area's fresh water impoundments from Willard Spur.

(3) Waterfowl blinds constructed or maintained on waterfowl management areas in violation of this section may be removed or destroyed by the Division without notice.

(4) Any unoccupied, permanent waterfowl blind located on state land open to public access for hunting may be used by any person without priority to the person that constructed the blind. It being the intent of this rule to make such blinds available to any person on a first-come, first-serve basis.

(5) Waterfowl blinds or decoys cannot be left unattended overnight on state land open to public access for hunting in an effort to reserve the particular location where the blinds or decoys are placed.

KEY: wildlife, birds, migratory birds, waterfowl*
October 17, 2001 **23-14-18**
Notice of Continuation August 30, 2001 **23-14-19**
50 CFR part 20

R657. Natural Resources, Wildlife Resources.
R657-10. Taking Cougar.
R657-10-1. Purpose and Authority.

(1) Under authority of Sections 23-14-18 and 23-14-19 of the Utah Code, the Wildlife Board has established this rule for taking and pursuing cougar.

(2) Specific dates, areas, number of permits, limits, and other administrative details which may change annually are published in the proclamation of the Wildlife Board for taking cougar.

R657-10-2. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition:

(a) "Canned hunt" means that a cougar is treed, cornered, held at bay or its ability to escape is otherwise restricted for the purpose of allowing a person who was not a member of the initial hunting party to arrive and take the cougar.

(b) "Cougar" means Puma concolor, commonly known as mountain lion, lion, puma, panther or catamount.

(c) "Cougar pursuit permit" means a permit that authorizes a person to pursue cougar during designated seasons.

(d) "Evidence of sex" means the sex organs of a cougar, including a penis, scrotum or vulva.

(e) "Green pelt" means the untanned hide or skin of any cougar.

(f) "Kitten" means a cougar less than one year of age.

(g) "Pursue" means to chase, tree, corner or hold a cougar at bay.

(h) "Waiting period" means a specified period of time that a person who has obtained a cougar permit must wait before applying for any other cougar permit.

R657-10-3. Permits for Taking Cougar.

(1)(a) To harvest a cougar, a person must first obtain a valid limited entry cougar permit or a harvest objective cougar permit for the specified management units as provided in the proclamation of the Wildlife Board for taking cougar.

(b) Any person who obtains a limited entry cougar permit or a harvest objective cougar permit may pursue cougar on the unit for which the permit is valid.

(2) To pursue cougar, a person must first obtain a valid cougar pursuit permit from a division office. A cougar pursuit permit does not allow a person to kill a cougar.

(3) A person may not apply for or obtain more than one cougar permit for the same season, except:

(a) as provided in Subsection R657-10-26(3); or

(b) if the person is unsuccessful in the limited entry drawing, the person may purchase a harvest objective permit.

(4) Any cougar permit purchased after the season opens is not valid until seven days after the date of purchase.

R657-10-4. Permit Exchanges.

(1)(a) Any person who has obtained a harvest objective cougar permit may exchange that permit for any other harvest objective units provided the unit objectives have not been met and the units are still open.

(b) Limited entry cougar permits may not be exchanged.

(2)(a) A $5 handling fee will be charged for the exchange of a harvest objective permit.

(b) Any person who exchanges a harvest objective permit must complete a questionnaire at the time the exchange is made.

(3)(a) Any harvest objective permit exchanged is not valid until the day after the exchange is made.

(b) Harvest objective permits may be exchanged only at division offices.

R657-10-5. Purchase of Permit by Mail.

(1) A person may obtain a wildlife habitat authorization, cougar pursuit permit or cougar harvest objective permit by mail by sending the following information to the Salt Lake division office: full name, complete mailing address, phone number, date of birth, weight, height, sex, color of hair and eyes, driver's license number (if available), proof of hunter education certification, and fee.

(2)(a) Personal checks, cashier's checks, or money orders are accepted.

(b) Personal checks drawn on an out-of-state account are not accepted.

(c) Checks must be made payable to the Utah Division of Wildlife Resources.

R657-10-6. Hunting Hours.

Cougar may be taken or pursued only between one-half hour before official sunrise through one-half hour after official sunset.

R657-10-7. Firearms and Archery Tackle.

A person may use the following to take cougar:

(1) any firearm not capable of being fired fully automatic; and

(2) a bow and arrows, except a crossbow may not be used.

R657-10-8. Traps and Trapping Devices.

(1) Cougar may not be taken with a trap, snare or any other trapping device, except as authorized by the Division of Wildlife.

(2) Cougar accidentally caught in any trapping device must be released unharmed, and must not be pursued or taken.

(3)(a) Written permission must be obtained from a division representative to remove the carcass of a cougar from any trapping device.

(b) The carcass shall remain the property of the state of Utah and must be surrendered to the division.

R657-10-9. State Parks.

(1) Hunting of any wildlife is prohibited within the boundaries of all state park areas except those designated by the Division of Parks and Recreation in Section R651-614-4.

(2) Hunting with a rifle, handgun or muzzleloader in park areas designated open is prohibited within one mile of all park facilities including buildings, camp or picnic sites, overlooks, golf courses, boat ramps and developed beaches.

(3) Hunting with shotguns and archery tackle is prohibited within one quarter mile of the above stated areas.

R657-10-10. Prohibited Methods.

(1) Cougar may be taken or pursued only during open

seasons and using methods prescribed in this rule and the proclamation of the Wildlife Board for taking cougar. Otherwise, under the Wildlife Resources Code, it is unlawful for any person to possess, capture, kill, injure, drug, rope, trap, snare or in any way harm or transport cougar.

(2) After a cougar has been pursued, chased, treed, cornered or held at bay, a person may not, in any manner, restrict or hinder the animal's ability to escape.

(3) A person may not engage in a canned hunt.

(4) A person may not take any wildlife from an airplane or any other airborne vehicle or device or any motorized terrestrial or aquatic vehicle, including snowmobiles and other recreational vehicles.

(5) Electronic locating equipment may not be used to locate cougars wearing electronic radio devices.

R657-10-11. Spotlighting.

(1) Except as provided in Section 23-13-17:

(a) a person may not use or cast the rays of any spotlight, headlight or other artificial light to locate protected wildlife while having in possession a firearm or other weapon or device that could be used to take or injure protected wildlife; and

(b) the use of a spotlight or other artificial light in a field, woodland or forest where protected wildlife are generally found is prima facie evidence of attempting to locate protected wildlife.

(2) The provisions of this section do not apply to the use of the headlights of a motor vehicle or other artificial light in a usual manner where there is no attempt or intent to locate protected wildlife.

R657-10-12. Party Hunting.

A person may not take a cougar for another person.

R657-10-13. Use of Dogs.

(1) Dogs may be used to take or pursue cougar only during open seasons as provided in the proclamation of the Wildlife Board for taking cougar.

(2) The owner and handler of dogs used to take or pursue cougar must have a valid cougar permit or cougar pursuit permit in possession while engaged in taking or pursuing cougar.

(3) When dogs are used in the pursuit of a cougar, the licensed hunter intending to take the cougar must be present when the dogs are released and must continuously participate in the hunt thereafter until the hunt is completed.

(4) When dogs are used to take cougar and there is not an open pursuit season, the owner and handler of the dogs must have a valid pursuit permit and be accompanied by a licensed hunter as provided in Subsection (3), or have a valid pursuit permit and a cougar permit.

R657-10-14. Tagging Requirements.

(1) The carcass of a cougar must be tagged with a temporary possession tag before the carcass is moved from or the hunter leaves the site of kill as provided in Section 23-20-30.

(2) A person may not hunt or pursue a cougar after any of the notches have been removed from the tag or the tag has been detached from the permit.

(3) The temporary possession tag:

(a) must remain attached to the pelt or unskinned carcass until the permanent possession tag is attached; and

(b) is only valid for 48 hours after the date of kill.

(4) A person may not possess a cougar pelt or unskinned carcass without a valid permanent possession tag affixed to the pelt or unskinned carcass. This provision does not apply to a person in possession of a properly tagged carcass or pelt within 48 hours after the kill, provided the person was issued and is in possession of a valid permit.

R657-10-15. Evidence of Sex and Age.

(1) Evidence of sex must remain attached to the carcass or pelt of each cougar until a permanent tag has been attached by the division.

(2) The pelt and skull must be presented to the division in an unfrozen condition to allow the division to gather management data.

(3) It is mandatory that a tooth (PM1) be removed by the division at the time of permanent tagging to be used for aging purposes.

(4) The division may seize any pelt not accompanied by its skull or not having sufficient evidence of biological sex designation attached.

R657-10-16. Permanent Tag.

(1)(a) Each cougar must be taken by the permit holder to a conservation officer or division office within 48 hours after the date of kill to have a permanent possession tag affixed to the pelt or unskinned carcass and for the removal of a tooth.

(b) After regular business hours, on weekends, or on holidays, a conservation officer may be reached by contacting the local police dispatch office.

(2) A person may not possess a green pelt after the 48-hour check-in period, or ship a green pelt out of Utah, or present a green pelt to a taxidermist if the green pelt does not have a permanent possession tag attached.

R657-10-17. Transporting Cougar.

Cougar that have been legally taken may be transported by the permit holder provided the cougar is properly tagged and the permittee possesses the appropriate permit.

R657-10-18. Exporting Cougar from Utah.

(1) A person may export a legally taken cougar or its parts if that person has a valid permit and the cougar is properly tagged with a permanent possession tag.

(2) A person may not ship or cause to be shipped from Utah, a cougar pelt without first obtaining a shipping permit issued by an authorized division representative.

R657-10-19. Donating.

(1) A person may donate protected wildlife or their parts to another person as provided in Section 23-20-9.

(2) A green pelt of any cougar donated to another person must have a permanent possession tag affixed.

(3) The written statement of donation must be retained with the pelt.

R657-10-20. Purchasing or Selling.

(1) Legally obtained, tanned cougar hides may be purchased or sold.

(2) A person may not purchase, sell, offer for sale, or barter a tooth, claw, paw, or skull of any cougar.

R657-10-21. Waste of Wildlife.

(1) A person may not waste or permit to be wasted or spoiled any protected wildlife or their parts.

(2) The skinned carcass of a cougar may be left in the field and does not constitute waste of wildlife.

R657-10-22. Livestock Depredation and Human Health and Safety.

(1) If a cougar is harassing, chasing, disturbing, harming, attacking or killing livestock, or has committed such an act within the past 72 hours:

(a) in depredation cases, the livestock owner, an immediate family member or an employee of the owner on a regular payroll, and not hired specifically to take cougar, may kill the cougar;

(b) a landowner or livestock owner may notify the division of the depredation or human health and safety concerns, who shall authorize a local hunter to take the offending cougar or notify a USDA, Wildlife Services specialist; or

(c) the livestock owner may notify a USDA, Wildlife Services specialist of the depredation who may take the depredating cougar.

(2) Depredating cougar may be taken at any time by a USDA, Wildlife Services specialist, supervised by the Wildlife Services program, while acting in the performance of the person's assigned duties and in accordance with procedures approved by the division.

(3) A depredating cougar may be taken with any weapon authorized for taking cougar.

(4)(a) Any cougar taken pursuant to this section must be delivered to a division office or employee within 72 hours.

(b) In accordance with Subsection (1)(a) the cougar shall remain the property of the state, except the division may issue a cougar damage permit to a person who has killed a depredating cougar in accordance with this section, if that person wishes to maintain possession of the cougar.

(c) A person may acquire only one cougar annually.

(5)(a) Hunters interested in taking depredating cougar as provided in Subsection (1)(b) may contact the division.

(b) Hunters will be contacted by the division to take depredating cougar as needed.

R657-10-23. Questionnaire.

Each permittee who receives a questionnaire should return the questionnaire to the division regardless of success. Returning the questionnaire helps the division evaluate population trends, harvest success and other valuable information.

R657-10-24. Taking Cougar.

(1)(a) A person may take only one cougar during the season and from the area specified on the permit.

(b) Limited entry permits may be obtained by following the application procedures provided in this rule and the proclamation of the Wildlife Board for taking cougar.

(c) Harvest objective permits may be purchased over-the-counter at division offices.

(2) A person may not:

(a) take or pursue a female cougar with kittens or kittens with spots; or

(b) repeatedly pursue, chase, tree, corner, or hold at bay, the same cougar during the same day after the cougar has been released.

(3) Any cougar may be taken during the prescribed seasons, except a kitten with spots, or any cougar accompanied by kittens, or any cougar accompanied by an adult.

(4) A person may not take a cougar wearing a radio collar from any areas that are published in the proclamation of the Wildlife Board for taking cougar.

(5) The division may authorize hunters who have obtained a limited entry cougar permit to take cougar in a specified area of the state in the interest of protecting wildlife from depredation.

(6) Season dates, closed areas, harvest objective permit areas and limited entry permit areas are published in the proclamation of the Wildlife Board for taking cougar.

R657-10-25. Extended and Preseason Hunts.

(1) An extended or preseason hunt may be authorized by the division on selected cougar management units to control depredation or nuisance problems.

(2) The director may authorize only those hunters who drew a limited entry permit or have purchased a harvest objective permit to hunt on that management unit and participate in a preseason or extended season hunt.

R657-10-26. Cougar Pursuit.

(1) Cougar may be pursued only by persons who have obtained an annual cougar pursuit permit. The cougar pursuit permit does not allow a person to kill a cougar.

(2) A person may not:

(a) take or pursue a female cougar with kittens or kittens with spots;

(b) repeatedly pursue, chase, tree, corner or hold at bay, the same cougar during the same day; or

(c) possess a firearm or any device that could be used to kill a cougar while pursuing cougar.

(3) If eligible, a person who has obtained a cougar pursuit permit may also obtain a limited entry cougar permit or harvest objective cougar permit.

(4) Cougar may be pursued only on limited entry units or harvest objective units during the dates provided in the proclamation of the Wildlife Board for taking cougar.

(5) A cougar pursuit permit is valid on a calendar year basis.

R657-10-27. General Application Information.

(1) A person may not apply for or obtain more than one cougar permit for the same year, except as provided in Section R657-10-4.

(2) A person must be 12 years of age or older by the posting date of the drawing to apply for a limited entry cougar permit.

(3) Limited entry cougar permits are valid only for the management unit and for the specified season designated on the permit.

R657-10-28. Waiting Period.

(1) Any person who obtained a limited entry permit valid for the current season may not apply for a permit for a period of two years.

(2) Any person who draws a limited entry permit for the current season may not apply for a permit for a period of two years.

(3) Waiting periods are not incurred as a result of purchasing harvest objective permits.

R657-10-29. Application Procedure.

(1) Applications are available from license agents and division offices.

(2)(a) Group applications are not accepted. A person may not apply more than once annually.

(b) Applicants may select up to three management unit choices when applying for limited entry cougar permits. Management unit choices must be listed in order of preference.

(3)(a) Applications must be mailed by the date published in the proclamation of the Wildlife Board for taking and pursuing cougar.

(b) If an error is found on the application, the applicant may be contacted for correction.

(c) The division reserves the right to correct applications.

(4)(a) Late applications received by the date published in the proclamation of the Wildlife Board for taking and pursuing cougar will not be considered in the drawing, but will be processed for the purpose of entering data into the Division's draw database to provide:

(i) future pre-printed applications;

(ii) notification by mail of late application and other draw opportunities; and

(iii) re-evaluation of Division or third-party errors.

(b) The $5 handling fee will be used to process the late application. Any permit fees submitted with the application will be refunded.

(c) Late applications received after the date published in the proclamation of the Wildlife Board for taking and pursuing cougar will not be processed and will be returned.

(5) Any person who applies for a hunt that occurs on private land is responsible for obtaining written permission from the landowner to access the property. To avoid disappointment and wasting the permit and fee if access is not obtained, hunters should get written permission before applying. The division does not guarantee access and does not have the names of landowners where hunts occur.

(6) Only a resident may apply for or obtain a resident permit and only a nonresident may apply for or obtain a nonresident permit, except as provided in Section R657-10-31.

(7) To apply for a resident permit, a person must establish residency at the time of purchase.

(8) The posting date of the drawing shall be considered the purchase date of a permit.

R657-10-30. Fees.

(1) Each application must include:

(a) the permit fee; and

(b) the nonrefundable handling fee.

(2) Permits are mailed to successful applicants.

(3)(a) Unsuccessful applicants, who applied in the drawing and who applied with a check or money order, will receive a refund in December.

(b) Unsuccessful applicants, who applied with a credit card, will not be charged for a permit.

(c) The handling fees are nonrefundable.

R657-10-31. Drawing and Remaining Permits.

(1) If permits remain after all choices have been evaluated separately for residents and nonresidents, a second evaluation shall be done allowing cross-over usage of remaining resident and nonresident permit quotas.

(2) Drawing results will be posted on the date published in the proclamation of the Wildlife Board for taking cougar at division offices, Lee Kay Center for Hunter Education, Cache Valley Hunter Education Center and on the division Internet address.

(3) Beginning on the date published in the proclamation of the Wildlife Board for taking cougar, residents or nonresidents may purchase any of the remaining permits by mail-in application from the Salt Lake division office.

(4) Any limited entry cougar permit purchased after the season opens is not valid until seven days after the date of purchase.

(5) Waiting periods do not apply to the purchase of remaining limited entry permits after the drawing. However, waiting periods are incurred as a result of purchasing remaining permits after the drawing. Therefore, if a remaining permit is purchased in the current year, waiting periods will be in effect when applying for limited entry permits in the drawing in following years.

(6)(a) An applicant may withdraw their application for the limited entry cougar permit drawing by requesting such in writing by the date published in the proclamation of the Wildlife Board for taking cougar.

(b) The applicant must send their notarized signature with a statement requesting that their application be withdrawn to the Salt Lake Division office.

(c) An applicant may reapply in the limited entry cougar drawing provided:

(d) the original application is withdrawn;

(e) the new application is submitted with the request to withdraw the original application;

(f) both the new application and request to withdraw the original application are received by the initial application deadline; and

(g) both the new application and request to withdraw the original application are submitted to the Salt Lake Division office.

(h) Handling fees will not be refunded.

(7)(a) An applicant may amend their application for the limited entry cougar permit drawing by requesting such in writing by the initial application deadline.

(b) The applicant must send their notarized signature with a statement requesting that their application be amended to the

Salt Lake Division office.

(c) The applicant must identify in their statement the requested amendment to their application.

R657-10-32. Bonus Points.

(1) A bonus point is awarded for a valid unsuccessful application in the drawing.

(2) Bonus points are forfeited if the person obtains a permit, including any limited entry permit obtained after the drawing.

(3) The purchase of a harvest objective permit will not affect bonus points.

(4) Bonus points are not transferable.

(5) Bonus points are tracked by using the applicant's social security number or division-issued hunter identification number.

R657-10-33. Harvest Objective General Information.

(1) Harvest objective permits are valid only for the management units designated on the permit and for the specified seasons published in the proclamation of the Wildlife Board for taking cougar.

(2) Residents may select up to two harvest objective management units and nonresidents may select up to three harvest objective management units, wherein the permit will be valid.

(3) Harvest objective permits are not valid in a specified management unit after the harvest objective has been met for that specified management unit.

R657-10-34. Harvest Objective Permit Sales.

(1) Harvest objective permits are available to residents and nonresidents over-the-counter beginning on the date published in the proclamation of the Wildlife Board for taking cougar from division offices.

(2) Any cougar permit purchased after the season opens is not valid until seven days after the date of purchase.

(3) Any harvest objective permit exchanged is not valid until the day after the exchange is made.

R657-10-35. Harvest Objective Unit Closures.

(1) To hunt in a harvest objective unit, a hunter must call 1-888-668-LION to verify that the cougar management unit is still open. The phone line will be updated each day by 8 p.m.

(2) Harvest objective units are open to hunting until:

(a) the female cougar sub-objective for that unit is met;

(b) the cougar harvest objective for that unit is met; or

(c) the end of the hunting season as provided in the proclamation of the Wildlife Board for taking cougar.

(3) Upon closure of a harvest objective unit, a hunter may not take or pursue cougar except as provided in Section R657-10-26.

(4) Any person who obtains a harvest objective cougar permit may exchange that permit as provided in Section R657-10-3.

R657-10-36. Harvest Objective Unit Reporting.

(1) Any person taking a cougar with a harvest objective permit shall report to the Division, when the permanent tag is affixed pursuant to Section R657-10-16, where the cougar was killed.

(2) Failure to accurately report the correct harvest objective management unit where the cougar was killed is unlawful.

(3) Any conviction for failure to accurately report, or aiding or assisting in the failure to accurately report as required in Subsection (1) shall be considered prima facie evidence of a knowing and flagrant violation for purposes of permit revocation.

KEY: wildlife, cougar*, game laws

October 17, 2001 23-14-18

Notice of Continuation August 30, 2001 23-14-19

R657. Natural Resources, Wildlife Resources.
R657-20. Falconry.
R657-20-1. Purpose and Authority.

Under authority of Section 23-17-7 and in accordance with 50 CFR 21, 2000 ed., which is incorporated by reference, this rule provides the requirements and procedures for possessing and using raptors for falconry.

R657-20-2. Possession of Raptors.

(1) Possession of any raptor, raptor egg, shell fragment, semen, or any raptor part without a federal permit and a valid certificate of registration, and form is prima facia evidence that the raptor, raptor egg, shell fragment, semen, or raptor part was illegally taken and is illegally held in possession.

(2) The only species of raptor that may be possessed, transported, or used for falconry are:

(a) raptors of the subfamily Accipitrinae, other than the bald eagle, Haliaeetus leucocephalus;

(b) raptors of the subfamily Falconinae; and

(c) great horned owl, Bubo virginianus, of the family Strigidae.

R657-20-3. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition:

(a) "Eyas" means a nestling, fledgling, or prefledging raptor.

(b) "Falconry" means the sport of taking quarry by means of a trained raptor.

(c) "Imping" means to graft new feathers onto the wing of a bird to repair damage or to increase flying capacity.

(d) "Marker or band" means a numbered band issued by the Service which, when affixed to a raptor's leg, identifies an individual raptor.

(e) "Passage bird" means a flighted raptor of the year.

(f) "Raptor" means a bird of the families Cathartidae, Accipitridae, Falconidae, Tytonidae, and Strigidae.

(g) "Service" means the U.S. Fish and Wildlife Service.

R657-20-4. Federal Requirements.

(1) A federal falconry permit is required before any person may take, possess, transport, sell, purchase, barter, or offer to sell, purchase, or barter raptors for falconry purposes.

(2) Any person engaging in falconry must complete a federal application form in accordance with 50 CFR 21.28.

(3) Applications may be obtained from, and submitted to the U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, CO. 80225.

(4) A falconry permit issued or renewed under 50 CFR 21.28 expires on the date designated on the face of the permit unless amended or revoked, but the term of permit shall not exceed three years from the date of issuance or renewal.

R657-20-5. Resident Certificate of Registration Application.

(1) A resident applying for or renewing a falconry certificate of registration shall:

(a) submit a completed falconry application to the division; and

(b) include the certificate of registration fee.

(2) At the time of renewal, the previous falconry certificate of registration and the federal permit number must be submitted on the falconry application.

R657-20-6. Apprentice Class Falconer.

(1) An apprentice class falconer shall be:

(a) 14 years of age or older; and

(b) sponsored by a general or master class falconer for the first two years of apprenticeship.

(2) An apprentice obtaining their first falconry certificate of registration must answer correctly at least 80 percent of the questions on a supervised examination provided and administered by the division, relating to basic biology, care and handling of raptors, literature, laws, rules, regulations, and other appropriate subject matter.

(3) If necessary, the examination may be taken again after a five-day waiting period.

(4) A person may not take the falconry exam earlier than two months before that person's 14th birthday.

(5) The sponsor shall provide advice for facilities and equipment construction, trapping the first season, training the raptor, and all other activities that will promote adequate care and good health for the raptor and safety for the apprentice. A sponsor may not have more than three apprentices at one time.

(6) In the event sponsorship is terminated, the holder of an apprentice falconry certificate of registration must obtain a new sponsor within 30 days of termination.

(7) The division must be notified in writing concerning the change in sponsor. The sponsor's name, state certificate of registration and federal permit number shall be included in the notification.

(8)(a) Applications for Utah falconry certificates of registration must be submitted to a division office.

(b) Applications for the required federal permit must be made to the Service.

(9) An apprentice may not possess more than one raptor and may not obtain more than one raptor for replacement during any 12-month period from the date of the first capture.

(10) An apprentice may possess only an American kestrel or a red-tailed hawk which must be taken from the wild as a passage bird by the apprentice.

(11) Re-examination and facilities inspection will be required of any applicant who has not held a falconry certificate of registration for two consecutive years.

R657-20-7. General Class Falconer.

(1) A general class falconer shall:

(a) be 18 years of age or older;

(b) have at least 24 months of sponsor-verified experience caring for, training, and hunting with raptors at the apprentice level or its equivalent; and

(c) show proof of having a valid falconry certificate of registration for at least 24 months.

(2) Evidence that the applicant has had a valid raptor license or permit in another state for at least 24 consecutive months may be substituted for the apprentice certificate of registration requirement.

(3) Verification of the 24-month experience requires a letter from the sponsor that details the applicant's progress in

falconry and qualifications for upgrade.

(4) A general class falconer may not:

(a) possess more than two raptors for falconry and may not obtain more than two raptors taken from the wild for replacement birds during any 12-month period from the date of first capture; or

(b) take, transport, or possess a golden eagle or any species listed as threatened or endangered in 50 CFR 17.

R657-20-8. Master Class Falconer.

(1) A master class falconer shall:

(a) have at least 60 months experience in the practice of falconry at the general class level or its equivalent; and

(b) show proof of having a valid general class certificate of registration for at least 60 months.

(2) A master class falconer may not:

(a) possess more than three raptors for falconry;

(b) obtain more than two raptors taken from the wild for replacement birds during any 12-month period from the date of first capture; or

(c) take from the wild:

(i) more than one raptor listed as threatened in 50 CFR 17, in any 12-month period, as part of the three bird limitation, and then only in accordance with 50 CFR 17; or

(ii) any species listed as endangered in 50 CFR 17, but may transport or possess such species in accordance with 50 CFR 17.

(3) A master class falconer may not take from the wild, transport, or possess a golden eagle for falconry purposes unless authorized in writing under 50 CFR 22.24.

(4) Only a master class falconer may possess one golden eagle, Aquila chrysaetos, for falconry purposes pursuant to 50 CFR 22.24, Migratory Bird Permits, and the following guidelines:

(a) A master class registrant shall be sponsored for the first 12 months to use a golden eagle for falconry;

(b) The registrant shall maintain an ongoing dialogue with the sponsor;

(c) The sponsor shall be a master class falconer who has handled a golden eagle for a minimum of 24 months;

(d) A sponsor may not, at any time, sponsor more than one registrant;

(e) The registrant may not obtain or possess more than one golden eagle during a 12-month period; and

(f) A golden eagle held by the registrant is included in the three-bird limitation of the master class falconer in accordance with 50 CFR 17.

R657-20-9. Facilities and Equipment.

(1) Before a person may obtain a falconry certificate of registration, the raptor housing facilities and equipment shall be inspected by a division representative and must be certified as meeting the requirements of this section.

(2)(a) The primary consideration for raptor housing facilities whether indoor mews or outdoor weathering areas is protection from the environment, predators, and undue disturbance.

(b) A person may not possess a raptor without either an indoor facility or an outdoor facility as provided in this rule.

R657-20-10. Indoor Facilities.

(1) An indoor facility or mew must be large enough to allow easy access for caring for the raptor housed in the facility.

(2) If more than one raptor is to be kept in the mew, the raptors must be tethered or separated by partitions and the area for each raptor must be large enough to allow the raptor to fully extend its wings.

(3) There must be at least one window, protected on the inside by vertical bars, spaced narrower than the width of the raptor's body, and a secure door that can be easily closed.

(4) The floor of the mew must permit easy cleaning and be well drained.

(5) Adequate perches must be provided to ensure the health, safety and protection of the raptor.

R657-20-11. Outdoor Facilities.

(1) Outdoor facilities must be fenced and covered with netting or wire, or roofed to protect the raptor from disturbance and attack by predators.

(2) The enclosed area must be large enough to ensure the raptor cannot strike the fence when flying from the perch.

(3) Protection from excessive sun, wind, and inclement weather must be provided for each raptor.

(4) Adequate perches must be provided to ensure the health, safety and protection of the raptor.

R657-20-12. Equipment.

The following items shall be in the possession of the applicant before a permit or certificate of registration can be obtained:

(1)(a) At least one pair of Alymeri jesses or similar type constructed of pliable, high quality leather or suitable synthetic material to be used when any raptor is flown free.

(b) Traditional one-piece jesses may be used on raptors when not being flown.

(2) At least one flexible, weather-resistant leash and one strong swivel of acceptable falconry design.

(3) At least one suitable container, two to six inches deep and wider than the length of the raptor, for drinking and bathing for each raptor.

(4) At least one weathering area perch of an acceptable design for each raptor.

(5) A reliable scale or balance suitable for weighing the raptor held and graduated to increments of not more than one-half ounce.

R657-20-13. Federal Form 3-186A.

A falconer may not take, purchase, receive, or otherwise acquire, sell, barter, transfer, or otherwise dispose of any raptor unless the falconer completes a federal form 3-186A and submits the blue copy to the division and the remaining copies to the Service within five calendar days of the transaction.

R657-20-14. Transfer of Care or Temporary Loan.

(1)(a) A raptor possessed under authority of a falconry certificate of registration may be temporarily held by a person other than the possessor of record for maintenance and care for a period not to exceed 30 days.

(b) The raptor must be accompanied at all times by a

properly completed federal form 3-186A designating the falconer as the possessor of record and by a signed, dated statement from the falconer authorizing temporary possession.

(c) The temporary possessor must hold a valid falconry certificate of registration in the appropriate class designation and have adequate facilities.

R657-20-15. Permanent Transfer.

A falconer may permanently transfer a raptor to:

(1) another falconer of appropriate class designation with a valid falconry certificate of registration and adequate facilities; or

(2) a raptor propagator or special purpose possession permittee who has the appropriate licenses, permits and forms.

R657-20-16. Purchase or Sale of Captive-Bred Raptors.

(1) Only general and master class falconers may purchase or sell captive-bred raptors.

(2) Before a captive-bred raptor is purchased or sold, bartered or gifted it shall be properly banded.

R657-20-17. Importation Requirements for Residents.

(1)(a) A person is not required to obtain an importation certificate of registration to possess a raptor brought into Utah from another state when the raptor is to be used for falconry purposes.

(b) A raptor used for any purpose other than falconry is governed by Rule R657-3.

(2) A copy of a valid health certificate and band number, where applicable, must be presented to the division within five days of the arrival of the raptor into the state.

(3) A health certificate is required from the state of origin regardless of the time period the raptor will be in the state.

R657-20-18. Importation Requirements for Nonresidents.

(1) A falconer may not claim residency in more than one state or possess a resident falconry license or certificate of registration from more than one state.

(2) A nonresident falconer entering the state to establish residency may possess legally obtained raptors during the six-month domicile period while establishing residency.

(3) A copy of the previous state's valid falconry license, a current federal permit number, a valid health certificate and the band number of the raptor held in possession must be presented to the division upon entering the state.

(4) The falconer must have the proper facilities and equipment. A facilities inspection is required.

(5) If the raptor is to be flown or exercised during the six-month domicile period, a valid falconry license from the previous state and a current federal permit are required.

(6) If the raptor is to be used for falconry during the six-month domicile period, a valid falconry license from the previous state, a current federal permit number and the appropriate nonresident game license are required.

R657-20-19. Facilities for Raptors in Transit.

To ensure the health, safety and protection of any raptor being transported or held, temporary facilities must be provided with an adequate perch and protected from extreme temperatures and excessive disturbance, for a period not to exceed 30 days.

R657-20-20. Change of Address.

Any falconer who possesses a raptor and moves or changes the address of where the raptor is being held must first notify the division in writing of the change of address. An inspection of facilities may be required at the new location.

R657-20-21. Release to the Wild.

Prior to releasing any raptor to the wild:

(1) the raptor band shall be removed by a division representative; and

(2) a Bird Banding Laboratory band shall be attached to the raptor by a division representative. Banding is by appointment only.

R657-20-22. Escape or Death.

(1) The division shall be notified upon escape or death of a raptor.

(2) Within five working days of the escape of any raptor, the blue copy of the federal form 3-186A shall be provided to the division.

(3) Within five working days, raptors that die shall be presented to a division representative to have the band removed. The blue copy of the federal form 3-186A shall be provided to the division.

R657-20-23. Feathers.

Feathers that are molted or feathers from raptors held in captivity that die may be retained and exchanged for imping purposes by falconers with a valid certificate of registration.

R657-20-24. Certificate of Registration Renewal Form.

(1) Resident falconers wishing to renew a valid certificate of registration must submit a completed certificate of registration renewal form to the division upon or before the date specified on the certificate of registration.

(2) Resident falconers holding a valid certificate of registration must submit a completed falconry annual report form to the division upon or before the date specified on the certificate of registration.

(3) Residents who do not hold a valid certificate of registration or do not submit a certificate of registration renewal form by the date specified on the certificate of registration and maintain raptors in possession are in violation of unlawful captivity of protected wildlife under Section 23-13-4.

(4) Any raptor not listed on the falconry annual report or certificate of registration renewal form may be seized.

(5) Failure to submit the appropriate records and reports may result in revocation or denial of a certificate of registration.

R657-20-25. Inspection of Raptors, Facilities, Certificates of Registration, and Documents.

As a condition of obtaining a falconry certificate of registration, the falconer agrees to reasonable administrative inspections of raptors, facilities equipment, appropriate permits, licenses, certificates of registration and forms.

R657-20-26. Taking Raptors from the Wild.

(1) A person may not take any raptor from the wild without first obtaining a raptor capture permit from the division.

(2)(a) A raptor may be taken by traps or nets that are humane in their operation and use.

(b) Acceptable devices are the bal-chatri, dho-gazza, harness-type, phi trap, and bow net traps.

(c) Trapping devices must be constantly attended while in use.

(d) Protected wildlife may not be used to capture raptors.

R657-20-27. Capture Permits.

(1)(a) Prior to capturing or attempting to capture any raptor a falconer must obtain a falconry certificate of registration, raptor capture permit and corresponding federal band from a division office.

(b) The raptor capture permit, falconry certificate of registration, and corresponding federal band must be in possession while pursuing, capturing or attempting to capture a raptor.

(2) Raptor capture permits and federal bands are valid for a single raptor of a species allowed in the falconer's class.

(3) Raptor capture permits may be obtained from division offices.

(4) Raptor capture permits and corresponding federal bands are non-transferable and nonassignable and can only be used by the person specified on the permit. Raptor capture permits and corresponding federal bands are valid only for the season specified on the permit.

(5) Nonresidents not participating in the sport of falconry in the state are not required to purchase a Utah falconry certificate of registration or license prior to the purchase of a raptor capture permit.

(6) Falconers shall not retain and transport more than one captured raptor per capture permit.

(7) Any person who does not capture a raptor must return the unused capture permit to the division within five working days of the season closure.

(8) Any person who captures a raptor must have it banded in accordance with Section R657-20-31.

(9) Capture of eyas raptors is permitted only for the following species:

(a) northern harrier, Circus cyaneus;
(b) sharp-shinned hawk, Accipiter striatus;
(c) Cooper's hawk, Accipiter cooperi;
(d) northern goshawk, Accipiter gentilis;
(e) Swainson's hawk, Buteo swainsoni;
(f) red-tailed hawk, Buteo jamaicensis;
(g) ferruginous hawk, Buteo regalis;
(h) golden eagle, Aquila chrysaetos
(i) American kestrel, Falco sparverius;
(j) peregrine falcon, Falco peregrinus;
(k) prairie falcon, Falco mexicanus; and
(l) great horned owl, Bubo virginianus;

(10) Capture of passage raptors is permitted only for the following species:

(a) northern harrier, Circus cyaneus;
(b) sharp-shinned hawk, Accipiter striatus;
(c) Cooper's hawk, Accipiter cooperi;
(d) northern goshawk, Accipiter gentilis;
(e) Harris's hawk, Parabuteo unicinctus;
(f) Swainson's hawk, Buteo swainsoni;
(g) red-tailed hawk, Buteo jamaicensis;
(h) ferruginous hawk, Buteo regalis;
(i) rough-legged hawk, Buteo lagopus;
(j) golden eagle, Aquila chrysaetos
(k) American kestrel, Falco sparverius;
(l) merlin, Falco columbarius;
(m) gyrfalcon, Falco rusticolus;
(n) prairie falcon, Falco mexicanus; and
(o) great horned owl, Bubo virginianus.

R657-20-28. Legal Birds.

(1) Eyasses may be taken from the wild only by general and master class falconers from May 13 through July 21, unless the opening day is a Sunday, in which case the season will begin the following day. No more than two eyasses may be taken by the same falconer.

(2) Passage raptors may be taken from the wild only from:

(a) September 1 through October 31 on weekends and legal holidays; and

(b) November 1 through January 31, unless the opening day is a Sunday, in which case the season will begin the following day.

(3) Only American kestrels and great horned owls may be taken when over one year of age.

(4) An eyas may not be taken from a nest containing only a single eyas.

(5) One or more eyasses shall be left in a nest from which any eyas has been removed.

(6) The division falconry coordinator shall determine on an annual basis the number of capture permits issued for the taking of eyas raptors listed on Utah's sensitive species list. The list will be available on February 1 of each year.

(7) Locations of nests from which an eyas is removed must be recorded precisely on the Raptor Capture Permit. Such information will be held strictly for use by the division and not made available to the public.

R657-20-29. Resident- Legal Birds by Class Designation.

(1)(a) An apprentice class falconer may take from the wild and possess only one American kestrel or one red-tailed hawk.

(b) Only first-year red-tailed hawks may be taken, while American kestrels that are one year of age or older may be taken.

(c) Eyasses may not be taken.

(2) A general class falconer may not possess more than two raptors and may not obtain more than two raptors taken from the wild for replacement birds during a 12-month period.

(3) A master class falconer may not possess more than three raptors and may not obtain more than three raptors taken from the wild for replacement birds during a 12-month period, except golden eagles.

(4) If necessary, a drawing will be held for taking eyas birds listed as Utah's sensitive species that have more applicants than available permits.

R657-20-30. Nonresident- Legal Birds by Class Designation.

(1) A nonresident general or master class falconer may

apply each year to take:

(a) one eyas from the wild from May 13 through July 21, unless the opening day is a Sunday, in which case the season will begin the following day; or

(b) one passage bird from the wild from:

(i) September 1 through October 31 on weekends and legal holidays; and

(ii) November 1 through January 31, unless the opening day is a Sunday, in which case the season will begin the following day.

(2) Application forms are provided by the division and must include:

(a) a copy of a valid falconry license issued by the state of residency indicating the falconry class designation; and

(b) a cashier's check or money order for the appropriate fees.

(3)(a) Applications for taking an eyas must be received through the mail by 5:00 p.m. on the last Friday of February.

(b) If necessary, a drawing will be held for those species that have more applicants than available permits.

(c) Remaining permits will be available to nonresident falconers on a first-come first-served basis after the drawing.

(4) The number of nonresident permits issued annually may not exceed the following:

(a) sharp-shinned hawk, Accipiter striatus 10;

(b) Cooper's hawk, Accipiter cooperi 20;

(c) northern goshawk, Accipiter gentilis 5;

(d) red-tailed hawk, Buteo jamaicensis 20;

(e) American kestrel, Falco sparverius 20;

(f) merlin, Falco columbarius 10, passage take only;

(g) gyrfalcon, Falco rusticolus 5, passage take only;

(h) prairie falcon, Falco mexicanus 20; and

(i) great horned owl, Bubo virginianus 20;

(5) Nonresidents may not take any other species.

R657-20-31. Banding Raptors.

(1)(a) Any falconer who removes a raptor from the wild for falconry purposes must, upon arriving at the falconer's facilities, attach the federal band to the raptor's leg.

(b) Within five working days of the date of capture, a completed Raptor Capture permit and blue copy of the federal 3-186A form must be submitted to the division.

(2) A falconer may remove the rear tab on a band and may smooth any imperfect surface, provided the integrity of the band and numbering are not affected.

(3)(a) A person may not remove, transfer, alter, counterfeit, or deface a raptor band.

(b) A band that is causing damage to a raptor may be removed only if the band is affecting the health or safety of the raptor.

(c) The raptor must be presented to a division representative and a replacement band placed on the raptor's other leg. Banding is by appointment only.

(d) The detached band must be surrendered to the division at the time of remarking.

(4) The division must be notified of any raptor acquired or brought into the state on a permanent basis without a band. The raptor must be presented to a division representative for banding.

(5) A permanent Bird Banding Laboratory band shall be placed on any raptor by a division representative prior to release.

R657-20-32. Recovery of Banded Raptors.

(1) A banded raptor may be recovered at any time.

(2) Notification of recovery must be made to a division representative followed with a written notice within five working days.

(3) The division requires notification of the capture of any raptor marked with a Bird Banding Laboratory band.

R657-20-33. Organized Events.

Any raptor brought into the state must be accompanied by a valid health certificate from the state of origin.

R657-20-34. Meets or Trials.

(1) A nonresident entering Utah to participate in the sport of falconry at an organized meet or trial must first obtain a nonresident falconry meet license.

(2)(a) A falconry meet license may be obtained by completing an application and submitting it to the division.

(b) The application must include:

(i) a valid health certificate from the state of origin; and

(ii) the appropriate fees.

(3) The falconry meet license is valid only for nonresidents and only for five consecutive days as designated on the license.

(4) The holder of a nonresident falconry meet license may engage in the sport of falconry on protected wildlife during the specified five-day period in accordance with the applicable proclamations of the Wildlife Board.

(5) A nonresident participating in an organized meet for more than five consecutive days must obtain appropriate licenses, permits, tags, and stamps as provided in the proclamations of the Wildlife Board if protected wildlife is pursued.

(6)(a) An organizer of a falconry meet or trial must obtain prior approval from the Wildlife Board to conduct the falconry meet or trial.

(b) A falconry meet or trial may not be held on state waterfowl and wildlife management areas from April 1 through August 15, except in those areas approved by the division.

R657-20-35. Use of Propagated Game Birds for Meets and Trials.

(1) A person may hold a meet or trial or may train a raptor using legally propagated and acquired game birds under the following provisions:

(a) The promoter of a meet or trial or a person training a raptor must have an invoice in his possession showing lawful possession of the game birds.

(b) Each game bird must be marked before release with a band purchased from the division. A band must remain attached to each game bird until the game bird is consumed. A person may not use the same band on more than one game bird.

(c) Once a released game bird escapes the raptor it is considered wild and may not again be pursued, except during the open season for that species as specified in the applicable proclamations of the Wildlife Board.

(d) A person may not possess a live game bird for more than 60 days without first obtaining an aviculture certificate of registration.

R657-20-36. Certificates of Registration, Licenses, Permits, and Stamps.

(1) A person must possess a valid federal permit and a valid state falconry certificate of registration or license from their state of residency while engaging in falconry.

(2) The falconry certificate of registration or license allows the person to use a raptor to take coyote, field mouse, gopher, ground squirrel, jackrabbit, muskrat, raccoon, European starling, house sparrow, and rock dove/feral pigeon.

(3) A falconer releasing a raptor on protected wildlife, not held in private ownership, shall obtain the appropriate licenses, permits, tags, certificates of registration and stamps as provided in the applicable proclamations of the Wildlife Board.

(4) A federal waterfowl stamp is required of a person 16 years of age or older to hunt migratory waterfowl.

R657-20-37. Seasons and Bag and Possession Limits.

(1) The hunting of:

(a) upland game shall be done in accordance with the proclamation of the Wildlife Board for taking upland game species.

(b) waterfowl, Wilson's snipe, and coot shall be done in accordance with the proclamation of the Wildlife Board for taking those species.

(c) mourning dove and band-tailed pigeon shall be done in accordance with the proclamations of the Wildlife Board for those species.

(2) Bag and possession limits do not apply to coyote, field mouse, gopher, ground squirrel, jackrabbit, muskrat, raccoon, European starling, house sparrow, and rock dove/feral pigeon.

(3) Nothing in this rule shall be construed to allow the intentional taking of protected wildlife in violation of federal or state laws, rules, regulations, or proclamations.

R657-20-38. Training.

Raptor training is not allowed on state waterfowl and wildlife management areas from April 1 through August 15, unless otherwise authorized.

R657-20-39. Firearms.

A person may not possess a firearm while pursuing any quarry with a raptor.

R657-20-40. Other Uses of Raptors.

(1) A person who possesses a raptor for falconry purposes is not required to obtain a certificate of registration for educational purposes provided money or consideration is not involved.

(2) A person who possesses a raptor for any purpose other than falconry, including raptor propagation, educational uses, and rehabilitation, shall obtain the appropriate authorization from the division as provided in Rule R657-3 and the appropriate authorization from the Service.

KEY: wildlife, birds, falconry*

November 1, 2001 23-17-7
Notice of Continuation June 16, 1997 50 CFR 21

R657. Natural Resources, Wildlife Resources.

R657-26. Adjudicative Proceedings for a License, Permit, or Certificate of Registration.

R657-26-1. Purpose and Authority.

Under authority of Subsection 23-19-9(15), this rule provides the procedures and standards for:

(1) the suspension of the privilege of applying for, purchasing and exercising the benefits conferred by a license or permit; and

(2) the suspension of a certificate of registration.

R657-26-2. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition:

(a) "Intentionally" as defined in Section 76-2-103.

(b) "Knowingly" as defined in Section 76-2-103.

(c) "Party" means the division, Wildlife Board, or respondent.

(d) "Presiding officer" means the hearing officer appointed by the division director to conduct revocation or suspension proceedings.

(e) "Recklessly" as defined in Section 76-2-103.

(f) "Respondent" means a person against whom a suspension proceeding is initiated.

R657-26-3. Commencement of Suspension Proceedings.

(1)(a) Each adjudicative proceeding shall be commenced by the presiding officer by filing a notice of agency action.

(2) The notice of agency action shall be filed and served according to the requirements provided in Section 63-46b-3(2).

(3) All suspension proceedings conducted by the presiding officer are designated as informal adjudications. The presiding officer may convert the hearing to a formal hearing anytime before a final order is issued if:

(a) conversion of the proceeding is in the public interest; and

(b) conversion of the proceeding does not unfairly prejudice the rights of any party.

R657-26-4. Procedures for Suspension Proceedings.

(1)(a) An answer or other pleading responsive to the allegations in the notice of agency action does not need to be filed by the respondent.

(b) If an answer to the notice of agency action is filed, the answer shall include:

(i) the name of the respondent;

(ii) the case number or other reference number;

(iii) the facts surrounding the allegations;

(iv) a response to the allegations that the violation was committed knowingly, intentionally or recklessly; and

(v) the date the answer was mailed.

(2) The respondent may access any relevant information contained in the division's files and all materials and information gathered in the investigation of the respondent, to the extent permitted by law.

(3) Discovery and intervention is prohibited.

R657-26-5. Hearings.

(1)(a) The presiding officer shall provide the respondent with an opportunity for a hearing.

(b) A hearing shall be held if the respondent requests a hearing within 20 days after the date the notice of agency action is issued.

(2) The respondent, or a person designated by the respondent to appear on the respondent's behalf, may testify at the hearing and present any relevant information or evidence.

(3) Hearings shall be open to the public.

(4) After reviewing all the information provided by the parties, the presiding officer shall suspend the respondent's license, permit or certificate of registration privileges in accordance with Section 23-19-9.

(5)(a) The type of license, permit or certificate of registration privilege suspension imposed shall be within the following categories:

(i) all fishing licenses and permits;

(ii) all furbearer and bobcat licenses and permits;

(iii) all big game licenses and permits;

(iv) all small game licenses and permits;

(v) all permits to take and pursue cougar and bear;

(vi) all falconry permits and falconry certificates of registration;

(vii) certificates of registration of a type specified; or

(viii) all hunting licenses, permits and certificates of registration;

(ix) all licenses, permits and certificates of registration issued by the division.

(b) The presiding officer may suspend the license, permit or certificate of registration privileges most closely associated with the activity for which the person was participating in when the violation occurred.

(c) The presiding officer may suspend the license, permit or certificate of registration privileges most closely associated with the activity that involved the unlawful taking of terrestrial wildlife for which no season has been established.

(d) If the violation involves acts that occurred while participating in an activity regulated by Title 23, which include more than one of the types of license or permit privileges as provided in Subsection (a), the presiding officer may suspend the license, permit or certificate of registration privileges for all categories that apply.

(e) The presiding officer may impose a suspension of all privileges to hunt protected wildlife or all privileges to take protected wildlife if the violations are found by the hearing officer to be conspicuously bad or offensive, and may include, but are not restricted to, the violations described in Subsection (e)(i) through Subsection (e)(viii).

(i) Any violation which could result in suspension that involves taking, in a single criminal episode, four times the legal bag limit of any protected fish species.

(ii) Any violation which could result in suspension that involves taking, in a single criminal episode, three times the legal bag limit of any small game species or waterfowl.

(iii) Any violation which could result in suspension that involves a once-in-a-lifetime species.

(iv) Any violation which could result in suspension that occurs out of season or in a closed area for the species illegally taken and involves a trophy animal.

(v) Three or more felony or class A misdemeanor

violations under Section 23-20-4 in a seven-year period, regardless of suspension periods previously imposed.

(vi) Any violation which could result in suspension that involves the illegal taking, in a single criminal episode, of two or more big game animals not classified as once-in-a-lifetime.

(vii) Any violation which could result in suspension that involves the illegal taking, in a single criminal episode, of two or more cougar or bear.

(viii) Any violation subject to Section 23-19-9 that further violates an existing order of revocation or suspension recognized by the Utah Division of Wildlife Resources.

(6) The director shall appoint a qualified person as a hearing officer in accordance with Section 23-19-9(9).

(7)(a) The courts may suspend, in criminal sentencing, a person's privilege to apply for, purchase, or exercise the benefits conferred by a license, permit, or certificate of registration in accordance with Section 23-19-9(10).

(8) The division shall suspend and reinstate all hunting, fishing, trapping, and falconry privileges consistent with Title 23, Chapter 25, Wildlife Violator Compact.

R657-26-6. Issuance of Decision and Order.

(1) Within a reasonable time after the close of the adjudicative proceeding, the presiding officer shall issue a signed, written order that states:

(a) the decision;

(b) the reasons for the decision;

(c) a notice of any right of administrative or judicial review available to the parties; and

(d) the time limits for filing an appeal or requesting a review.

(2) The decision and order shall be based on facts appearing in division files and on the testimony and facts presented in evidence at the hearing.

(3)(a) A copy of the decision and order shall be promptly mailed to all parties.

(b) If the mailed copy is returned as undeliverable and the division has otherwise made good faith efforts to deliver the decision and order to the respondent, the presiding officer shall publish notice of the decision in at least one newspaper or state publication with general circulation throughout the state.

R657-26-7. Default.

(1) The presiding officer may enter an order of default against the respondent if the respondent fails to participate, either in writing or in person, in the adjudicative proceeding.

(2) Upon issuing the order of default, the presiding officer shall complete the adjudicative proceeding without participation of the party in default and shall:

(a) include a statement of the grounds for default;

(b) make a finding of all relevant issues required in Sections R657-26-5(4) and (5); and

(c) mail a copy of the order to all parties.

(i) If the mailed copy is returned as undeliverable and the division has otherwise made good faith efforts to deliver the decision and order to the respondent, the presiding officer shall publish notice of the decision in at least one newspaper or state publication with general circulation throughout the state.

(3)(a) A defaulted party may seek to have the presiding officer set aside the default order, and any order in the adjudicative proceeding issued subsequent to such default, by following the procedures outlined in the Utah Rules of Civil Procedure.

(b) A motion to set aside a default order and any subsequent order shall be made to the presiding officer.

(c) A defaulted party may seek Wildlife Board Review under Section R657-26-8 only on the decision of the presiding officer on the motion to set aside the default.

R657-26-8. Wildlife Board Review - Procedure.

(1)(a) A person may file an appeal of a presiding officer's decision with the Wildlife Board.

(b) The appeal must be in writing and the respondent shall send a copy of the appeal by mail to the chair of the Wildlife Board and each of the parties.

(2) The appeal must be filed within 30 days after the issuance of the presiding officer's decision and order.

(3) The appeal shall:

(a) be signed by the respondent or the respondent's legal counsel;

(b) state the grounds for appeal and the relief requested; and

(c) state the date upon which it was mailed.

(4)(a) Within 15 days after the mailing date of the appeal, any party may file a written response with the Wildlife Board.

(b) A copy of the response shall be sent by mail to the chair of the Wildlife Board and each of the parties.

(5) The Wildlife Board shall hold a de novo formal hearing in accordance with the provisions of Section 63-46b-6 through Section 63-46b-10. The Wildlife Board may convert the hearing to an informal hearing anytime before a final order is issued if:

(a) conversion of the proceeding is in the public interest; and

(b) conversion of the proceeding does not unfairly prejudice the rights of any party.

(6) At the conclusion of the hearing, the Wildlife Board may:

(a) affirm the decision;

(b) vacate or remand the decision; or

(c) amend the type of suspension ordered by the presiding officer.

(7) The Wildlife Board shall not amend or alter the suspension periods imposed in accordance with Section 23-19-9(4), where the statutory elements prerequisite to imposing the suspension periods are satisfied.

(8)(a) If the Wildlife Board takes any action to vacate or remand the decision or amend the type of suspension, the chair of the Wildlife Board shall, within a reasonable time, issue a written order on review.

(b) The order on review shall be signed by the chair of the Wildlife Board and mailed to each party.

(c) The order on review shall contain:

(i) a designation of the statute permitting review;

(ii) a statement of the issues reviewed;

(iii) findings of fact as to each of the issues reviewed;

(iv) conclusions of law as to each of the issues reviewed;

(v) whether the decision of the presiding officer is to be

affirmed, reversed, modified, and whether all or any portion of the adjudicative proceeding is to be remanded;

(vi) a notice of any right of further administrative reconsideration or judicial review; and

(vii) the time limits applicable to any appeal or review.

R657-26-9. Reinstatement of a License, Permit, or Certificate of Registration.

(1) A presiding officer may reinstate a person's license, permit, or certificate of registration suspended under Section 23-19-9.5 upon receiving a written request for reinstatement.

(2) The person making the request shall include:

(a) the person's name, phone number, and mailing address;

(b) the number of the license, permit, or certificate of registration that was suspended or revoked;

(c) the date the violation occurred;

(d) the date the request was mailed;

(e) the state in which the violation occurred;

(f) a copy of a receipt from the court where the violation was processed stating the violation is no longer outstanding; and

(g) the person's signature.

(3) Within a reasonable time of receiving the request, the presiding officer shall issue a written order stating whether the request is granted or denied and the reasons for the decision.

(4) If a presiding officer denies a person's request for reinstatement, the person may submit a request for reconsideration by following the procedures provided in Section 63-46b-13.

KEY: wildlife, suspension*, violation*

October 17, 2001	**23-13-2**
Notice of Continuation August 30, 2001	**23-14-1**
	23-14-19
	23-19-9
	23-20-14
	63-46b-13
	63-46b-5

R657. Natural Resources, Wildlife Resources.
R657-44. Big Game Depredation.
R657-44-1. Purpose and Authority.

Under authority of Section 23-16-2, 23-16-3, 23-16-3.5 and 23-16-4, this rule provides:

(1) the procedures, standards, requirements, and limits for assessing big game depredation; and

(2) mitigation procedures for big game depredation.

R657-44-2. Definitions.

(1) Terms used in this rule are defined in Section 23-13-2.

(2) In addition:

(a) "Alternate drawing list" as defined in R657-42-2(2)(a).

(b) "Cultivated crops from or upon cleared and planted land" means any crop from or upon cleared and planted land that is routinely irrigated or routinely mechanically or manually harvested, including crop residues that have forage value for livestock, for commercial gain from or upon private land.

(c) "Damage incident period" means the period of time agreed upon between the landowner and division during which big game may be taken to reduce or eliminate depredation. All depredation incidents must end June 30 annually, an incident may be re-initiated July 1.

(d) "Irrigated" means the controlled application of water for agricultural purposes through man-made systems to supply water not satisfied by rainfall.

(e) "Mitigation permit voucher" means a document issued to a landowner or lessee, allowing the landowner or lessee to designate who may purchase a big game mitigation permit.

(f) "Private land" means land in agricultural use as provided in Section 59-2-502 and eligible for agricultural use valuation as provided in Section 59-2-503 and 59-2-504.

R657-44-3. Damage to Cultivated Crops.

(1) The owner of cultivated crops from or upon cleared and planted land shall immediately, upon discovery of big game damage, notify the appropriate regional supervisor or division representative.

(2) Notification must be made:

(a) orally to expedite field investigations to one of the regional division offices or division representative; and

(b) in writing to one of the regional division offices or a division representative.

(3) The regional supervisor or division representative shall contact the crop owner within 72 hours of notification to determine the nature of the damage and take appropriate action for the extent of the damage experienced or expected.

(4) The damage incident period shall be determined and agreed upon by the division representative and the crop owner.

(5) Division action may include any of the following:

(a) sending a Division representative onto the premises to control or remove the big game animals, including:

(i) herding;

(ii) capture and relocation;

(iii) temporary fencing; or

(iv) removal, as authorized by the division director or the division director's designee;

(b) recommending to the Wildlife Board an antlerless big game hunt in the next big game season framework;

(c) scheduling a depredation hunter pool hunt as authorized by the Wildlife Board;

(d) issuing big game mitigation permit vouchers to the landowner, allowing the landowner to designate who shall receive the big game mitigation permits to be used for hunting on the owner's or lessee's land during a general or special hunt authorized by the Wildlife Board;

(e) issue big game mitigation permit vouchers to a landowner association that has applied to the division providing a map of the association lands, the signatures of the landowners in the association and designated an association representative to act as liaison with the division, allowing the landowner association to designate who shall receive the big game mitigation permits to be used for hunting on the association's land during a general season or special season as authorized by the Wildlife Board; or

(f) issuing permits to the landowner or lessee for the harvest of big game animals causing depredation. No more than five deer or pronghorn and two elk may be retained by the landowner or lessee.

(6) A landowner or lessee who elects to pursue mitigation through measures in subsections (5) (d) through (5)(f) may not subsequently file a claim under Section 23-16-4, except as provided by an agreement made under Section 23-16-3.5(3)(b)(i).

(7) The options in subsections (5)(b) and (5)(f) are for antlerless animals only. Deer and pronghorn hunts may be August 1 through December 31 and elk hunts may be August 1 through January 31.

(8) The division director must approve any permits or vouchers issued for antlered animals.

(9)(a) The owner of cultivated crops from or upon cleared and planted land is authorized to kill big game animals doing damage to his crops after allowing the division a minimum of 72 hours to remove the offending animals or provide mitigation options after again notifying the division, after the initial 72 hour period, of the necessity of having to remove the animals himself to protect his crops.

(b) Notification must be made:

(i) orally to the appropriate regional division office or division representative; and

(ii) followed in writing to the appropriate regional division office or division representative.

(c) Immediately after making the kill, the crop owner shall notify the appropriate division representative. The carcass of any big game animal killed pursuant to Subsection (8)(a) shall become the property of the division and shall be disposed of by it.

(d) The authority of the owner of cultivated crops from or upon cleared and planted land to remove big game animals continues until the appropriate regional supervisor or division representative and crop owner agree that the damage incident is concluded.

(e) Killing big game animals after the damage incident period has expired is a violation of the Wildlife Code.

(f) The expiration of the damage incident period does not preclude the crop owner from making future claims.

R657-44-4. Damage to Livestock Forage, Fences, or

Irrigation Equipment on Private Lands.

(1) If big game animals are damaging livestock forage, fences, or irrigation equipment on private land or are consuming livestock forage on private land, the landowner or lessee may request the division to take action to prevent depredation.

(2) The request shall be made:

(a) orally to one of the regional division offices or division representative to expedite field investigations; and

(b) in writing to one of the regional division offices or division representative.

(3) The appropriate division representative shall investigate the situation within a reasonable time, not to exceed 72 hours, after receiving the request.

(4) If it appears that depredation by big game will continue, the division may, after consulting with the landowner or lessee, utilize one or any of the following options to address the depredation:

(a) send a Division representative onto the premises to control or remove the big game animals, including:

(i) herding;

(ii) capture and relocation;

(iii) temporary fencing; or

(iv) removal, as authorized by the division director or the division director's designee;

(b) recommend an antlerless big game hunt to the Wildlife Board in the next big game season framework;

(c) schedule a depredation hunter pool hunt, as authorized by the Wildlife Board;

(d) issue big game mitigation permit vouchers to the landowner, allowing the landowner to designate who shall receive the big game mitigation permits to be used for hunting on the owner's or lessee's land during a general season or special hunt as authorized by the Wildlife Board;

(e) issue big game mitigation permit vouchers to a landowner association that has applied to the division providing a map of the association lands, the signatures of the landowners in the association and designated an association representative to act as liaison with the division, allowing the landowner association to designate who shall receive the big game mitigation permits to be used for hunting on the association's land during a general season or special season as authorized by the Wildlife Board; or

(f) issue permits to the landowner or lessee for the harvest of big game animals causing depredation. No more than five deer or pronghorn, and two elk may be retained by the landowner or lessee.

(5) Deer and pronghorn hunts may be August 1 through December 31 and elk hunts may be August 1 through January 31. Antlerless permits shall not exceed ten percent of the animals on the private land. A maximum of twenty permits per landowner is allowed.

(6) The division director must approve any permits or vouchers issued for antlered animals.

(7)(a) The Division may enter into a conservation lease with the owner or lessee of private land for a fee, or other remuneration, as compensation for big game depredation.

(b) Any conservation lease entered into under this rule shall provide that the claimant may not unreasonably restrict hunting on the land, or passage through the land to access public land for the purpose of hunting, if those actions are necessary to control or mitigate damage by big game.

(8) In determining appropriate mitigation, the division shall consider:

(a) the extent of damage experienced or expected;

(b) any revenue the landowner derives from participation in a cooperative wildlife management unit, use of landowner permits, and charging for hunter access; and

(c) the population management objective as established in management plans approved by the Wildlife Board.

(9) The damage incident period shall be determined and agreed upon by the division representative and the landowner or lessee.

(10) A landowner or lessee who elects to pursue mitigation through the measures in Subsections (4)(d) through (4)(e) may not subsequently file a claim under Section 23-16-4, except as provided by an agreement made under Section 23-16-3.5(3)(b)(i).

R657-44-5. Compensation for Damage to Crops, Fences, or Irrigation Equipment.

(1) The Division may provide compensation to claimants for damage caused by big game to:

(a) cultivated crops from or upon cleared and planted land, including crop residues that provide forage value for livestock;

(b) fences on private land; or

(c) irrigation equipment on private land.

(2) To be eligible to receive compensation, the claimant must notify the division of the damage within 72 hours after the damage is discovered.

(3) The appraisal of damage shall be made by the claimant and the division as soon after notification as possible.

(4) The procedures and guidelines for big game damage appraisal adopted by the division director shall be used as the basis for damage appraisal.

(5) If the claimant and the division are unable to agree on a fair and equitable damage payment, they shall designate a third party, consisting of one or more persons familiar with the crops, fences, or irrigation equipment and the type of big game animals doing the damage, to appraise the damage.

(6) Any claim of $500 or less may be paid after appraisal of the damage, unless the claim brings the total amount of claims submitted by the claimant in the fiscal year to an amount in excess of $500.

(7) Any claim in excess of $500 or claim that brings the total amount of claims submitted by the claimant in the fiscal year to an amount in excess of $500 may not be paid until the total amount of the approved claims of all claimants and expenses for fencing materials for the fiscal year are determined. If the total exceeds the amount appropriated by the Legislature, claims in excess of $500, or any claim that brings the total amount of a claimant's claims in a fiscal year to an amount in excess of $500, shall be prorated.

(8) The division may deny or limit compensation if the claimant:

(a) has failed to exercise reasonable care and diligence to avoid the loss or minimize the damage; or

(b) has unreasonably restricted hunting on land under the claimant's control or passage through the land to access public

lands for the purpose of hunting, after receiving written notification from the division of the necessity of allowing such hunting or access to control or mitigate damage by big game.

R657-44-6. Depredation Hunts for Buck Deer, Buck Pronghorn or Bull Elk.

(1)(a) Buck deer, buck pronghorn or bull elk depredation hunts that are not published in the big game proclamations of the Wildlife Board may be held.

(b) Buck deer, buck pronghorn or bull elk depredation hunts may be held when the buck deer, buck pronghorn, or bull elk are:

(i) causing damage to agricultural crops;

(ii) a significant public safety hazard; or

(iii) causing a nuisance in urban areas.

(2) The depredation hunts may occur on short notice, involve small areas, and be limited to only a few hunters.

(3)(a) Depredation buck deer, buck pronghorn or bull elk hunters shall be selected from:

(i) persons that currently possess a limited entry buck deer, buck pronghorn, or bull elk permit; or

(ii) the alternate drawing list for that limited entry unit.

(b) Pre-season depredation hunters shall be selected using hunters possessing a limited entry buck deer, buck pronghorn, or bull elk permit for that unit and secondarily, if necessary, shall use hunters from the alternate drawing list.

(c)(i) Post-season depredation hunters shall be selected using hunters from the alternate drawing list.

(ii) If the depredation hunt is not on a limited entry unit, hunters shall be selected using the alternate drawing list from the nearest adjacent limited entry unit.

(4)(a) The Division may contact hunters from the alternate drawing list to participate in a depredation hunt for a buck deer, buck pronghorn, or bull elk prior to the statewide general hunt for a given species of big game.

(b) Hunters selected for a buck deer, buck pronghorn, or bull elk depredation hunt who do not possess an unfilled, valid buck deer, buck pronghorn, or bull elk permit for the species to be hunted, must purchase the appropriate depredation permit before participating in the depredation hunt.

(5) The buck deer, buck pronghorn, or bull elk harvested during a depredation hunt must be checked with the Division within 72 hours of the harvest.

(6) If a hunter is selected from the alternate drawing list for a depredation hunt in a limited entry unit and harvests a trophy animal as defined in Section 23-13-2(46), that person shall lose their bonus points and incur a waiting period.

(7) A person may not take more than one buck deer, buck pronghorn or bull elk in any year.

R657-44-7. Depredation Hunts for Antlerless Deer, Pronghorn or Elk.

(1) When deer, elk or pronghorn are causing damage, antlerless control hunts not listed in the big game proclamations of the Wildlife Board may be held. These hunts occur on short notice, involve small areas, and are limited to only a few hunters.

(2) Hunters are called from a list of unsuccessful permittees or other resident hunters who have applied for depredation hunts.

(3)(a) Application does not affect eligibility for antlerless or other type hunts. However, hunters who participate in any deer, elk, or pronghorn depredation hunt may not possess an additional antlerless permit for that species during the same year except as provided in Subsection R657-5-50(3).

(b) Hunters with depredation permits for doe pronghorn, antlerless deer or antlerless elk may not possess any other permit for those species, except as provided in Subsections R657-5-27(1)(a) and R657-5-50(3), or the proclamations of the Wildlife Board for taking big game.

(4) The division may contact hunters to participate in a depredation hunt prior to the general hunt for a given species of big game. Hunters who do not possess an antlerless deer, elk, or pronghorn permit may purchase an appropriate permit.

(5) Applications must be sent to the appropriate regional division office for the area requested.

(6) Applications must be received by the date published in the Bucks, Bulls and Once-In-A-Lifetime Proclamation of the Wildlife Board for taking big game.

R657-44-8. Appeal Procedures.

(1) Upon the petition of an aggrieved party to a final division action relative to Utah Code Annotated relative to big game depredation and this rule, a qualified hearing examiner shall take evidence and make recommendations to the Wildlife Board which shall resolve the grievance in accordance with Rule R657-2.

KEY: wildlife, big game*, depredation*

November 1, 2001 **23-16-2**
23-16-3
23-16-3.5
23-16-4

R708. Public Safety, Driver License.

R708-20. Motor Vehicle Accident Prevention Course Standards.

R708-20-1. Authority and Purpose.

Section 31A-19a-211 provides for an appropriate reduction of automobile insurance premiums for persons 55 years of age or older who successfully complete a motor vehicle accident prevention course.

The purpose of this rule is to establish procedures and standards for agencies or organizations who may conduct motor vehicle accident prevention courses as prescribed by this section.

R708-20-2. Definitions.

"Course" means a motor vehicle accident prevention course.

"Department" means the Department of Public Safety.

"Instructor" means an individual who has been approved by the course sponsor for the purpose of conducting an approved motor vehicle accident prevention course.

"Sponsor" means an organization or agency that conducts a motor vehicle accident prevention course.

R708-20-3. Motor Vehicle Accident Course Application For Approval.

Each sponsor who proposes to offer a course to the public for insurance reduction must submit a completed application to the department for approval on a form approved by the department.

A sponsor may file an application for approval at any time.

In order to be approved, a sponsor must comply with the following requirements:

1. The course must provide for a minimum of four hours classroom instruction which must be completed within a 30-day period from the date of enrollment.

2. The course curriculum shall include, but is not limited to, the following subjects:

a. How impairment of visual and audio perception affects driving performance and how to compensate for that impairment.

b. The effects of fatigue, medications, and alcohol on driving performance, when experienced alone or in combination, and precautionary measures to prevent or offset ill effects.

c. Updates on rules of the road and equipment, including but not limited to, safety belts and safe, efficient driving techniques under present day road and traffic conditions.

d. How to plan travel time and select routes for safety and efficiency.

e. How to make crucial decisions in dangerous, hazardous, and unforeseen situations.

f. The effects of physiological and physical problems that increase with age, their impact on driving, and how to compensate for these impairments, if possible.

3. Provide the department with all materials, manuals, and curriculum used in the course.

4. Provide an instructor preparation course to all instructor candidates. Only instructors who have completed this course may be employed by the sponsor.

5. Provide research documentation showing evidence of the effectiveness of the course. In the case of a course being new and having no documentation, evidence shall be submitted to the department when it becomes available.

6. Provide an address and telephone number where the course will be given and which may be disseminated to the public.

7. Designate an individual as representative of the course sponsor who is responsible for liaison with the department and include the representative's address and telephone number.

Course approval shall be valid for one year. At the end of one year a sponsor may make a renewal application on a form approved by the department. When approval is given, a certificate will be issued by the department to the sponsor upon approval of the course.

R708-20-4. Withdrawal or Denial of Approval.

Approval to conduct a course may be denied or withdrawn if it is determined by the department that a sponsor has failed to comply with any provisions of Section 31A-19a-211 or this rule.

R708-20-5. Monitoring of Course.

The sponsor will allow and cooperate with the department's monitoring of any curriculum or course instruction conducted for insurance reduction including the scheduling of on-site visits by department representatives to perform audits of course records, course curriculum, course instruction and the inspection of classroom facilities, in order to assure compliance of standards as prescribed by this rule.

KEY: motor vehicles, accident prevention
January 2, 1997 31A-19a-211
Notice of Continuation October 30, 2001

R746. Public Service Commission, Administration.
R746-360. Universal Public Telecommunications Service Support Fund.
R746-360-1. General Provisions.

A. Authorization -- Section 54-8b-15 authorizes the Commission to establish an expendable trust fund, known as the Universal Public Telecommunications Service Support Fund, the "universal service fund," "USF" or the "fund," to promote equitable cost recovery and universal service by ensuring that customers have access to basic telecommunications service at just, reasonable and affordable rates, consistent with the Telecommunications Act of 1996.

B. Purpose -- The purposes of these rules are:

1. to govern the methods, practices and procedures by which:

a. the USF is created, maintained, and funded by end-user surcharges applied to retail rates;

b. funds are collected for and disbursed from the USF to qualifying telecommunications corporations so that they will provide basic telecommunications service at just, reasonable and affordable rates; and,

2. to govern the relationship between the fund and the trust fund established under 54-8b-12, and establish the mechanism for the phase-out and expiration of the latter fund.

C. Application of the Rules -- The rules apply to all retail providers that provide intrastate public telecommunications services.

R746-360-2. Definitions.

A. Affordable Base Rate (ABR) -- means the monthly per line retail rates, charges or fees for basic telecommunications service which the Commission determines to be just, reasonable, and affordable for a designated support area. The Affordable Base Rate shall be established by the Commission. The Affordable Base Rate does not include the applicable USF retail surcharge, municipal franchise fees, taxes, and other incidental surcharges.

B. Average Revenue Per Line -- means the average revenue for each access line computed by dividing the sum of all revenue derived from a telecommunications corporation's provision of public telecommunications services, including, but not limited to, revenues received from the provision of services in both the interstate and intrastate jurisdictions, whether designated "retail","wholesale", or some other categorization, all revenues derived from providing network elements, services, functionalities, etc. required under the Federal Telecommunications Act of 1996, Pub. L. 104-104,110 Stat.56 or the Utah Telecommunications Reform Act, Laws of Utah 1995, Chapter 269, all support funds received from the Federal Universal Service Support Fund, and each and every other revenue source or support or funding mechanism used to assist in recovering the costs of providing public telecommunications services in a designated support area by that telecommunications corporation's number of access lines in the designated support area.

C. Basic Telecommunications Service -- means a local exchange service consisting of access to the public switched network; touch-tone, or its functional equivalent; local flat-rated, unlimited usage, exclusive of extended area service; single-party service with telephone number listed free in directories that are received free; access to operator services; access to directory assistance, lifeline and telephone relay assistance; access to 911 and E911 emergency services; access to long-distance carriers; access to toll limitation services; and other services as may be determined by the Commission.

D. Designated Support Area -- means the geographic area used to determine USF support distributions. A designated support area, or "support area," need not be the same as a USF proxy model's geographic unit. The Commission will determine the appropriate designated support areas for determining USF support requirements. Unless otherwise specified by the Commission, the designated support area for a rate-of-return regulated incumbent telephone corporation shall be its entire certificated service territory located in the State of Utah.

E. Facilities-Based Provider -- means a telecommunications corporation that uses its own facilities, a combination of its own facilities and essential facilities or unbundled network elements obtained from another telecommunications corporation, or a telecommunications corporation which solely uses essential facilities or unbundled network elements obtained from another telecommunications corporation to provide public telecommunications services.

F. Geographic Unit -- means the geographic area used by a USF proxy cost model for calculating costs of public telecommunications services. The Commission will determine the appropriate geographic area to be used in determining public telecommunications service costs.

G. Net Fund Distributions -- means the difference between the gross fund distribution to which a qualifying telecommunications corporation is entitled and the gross fund surcharge revenues collected by that company, when the former amount is greater than the latter amount.

H. Net Fund Contributions -- means the difference between the gross fund distribution to which a qualifying telecommunications corporation is entitled and the gross fund surcharge revenues generated by that company, when the latter amount is greater than the former amount.

I. Trust Fund -- means the Trust Fund established by 54-8b-12.

J. USF Proxy Model Costs -- means the total, jurisdictionally unseparated, cost estimate for public telecommunications services, in a geographic unit, based on the forward-looking, economic cost proxy model(s) chosen by the Commission. The level of geographic cost disaggregation to be used for purposes of assessing the need for and the level of USF support within a geographic unit will be determined by the Commission. These models shall be provided by the Commission by January 2, 2001.

K. Universal Service Fund (USF or fund) -- means the Universal Public Telecommunications Service Support Fund established by 54-8b-15 and set forth by this rule.

R746-360-3. Duties of Administrator.

A. Selection of Administrator -- The Division of Public Utilities will be the fund administrator. If the Division is unable to fulfill that responsibility, the administrator, who must be a neutral third party, unaffiliated with any fund participant, shall

be selected by the Commission.

B. Cost of Administration -- The cost of administration shall be borne by the fund; unless administered by a state agency.

C. Access to Books -- Upon reasonable notice, the administrator shall have access to the books of account of all telecommunications corporations and retail providers, which shall be used to verify the intrastate retail revenue assessed in an end-user surcharge, to confirm the level of eligibility for USF support and to ensure compliance with this rule.

D. Maintenance of Records -- The administrator shall maintain the records necessary for the operation of the USF and this rule.

E. Report Forms -- The administrator shall develop report forms to be used by telecommunications corporations and retail providers to effectuate the provisions of this rule and the USF. An officer of the telecommunications corporation or retail provider shall attest to and sign the reports to the administrator.

F. Administrator Reports -- The administrator shall file reports with the Commission containing information on the average revenue per line calculations, projections of future USF needs, analyses of the end-user surcharges and Affordable Base Rates, and recommendations for calculating them for the following 12-month period. The report shall include recommendations for changes in determining basic telecommunications service, designated support areas, geographic units, USF proxy cost models and ways to improve fund collections and distributions.

G. Periodic Review -- The administrator, under the direction of the Commission, shall perform a periodic review of fund recipients to verify eligibility for future support and to verify compliance with all applicable state and federal laws and regulations.

H. Proprietary Information -- Information received by the administrator which has been determined by the Commission to be proprietary shall be treated in conformance with Commission practices.

I. Information Requested -- Information requested by the administrator which is required to assure a complete review shall be provided within 45 days of the request. Failure to provide information within the allotted time period may be a basis for withdrawal of future support from the USF or other lawful penalties to be applied.

R746-360-4. Application of Fund Surcharges to Customer Billings.

A. Commencement of Surcharge Assessments -- Commencing June 1, 1998, end-user surcharges shall be the source of revenues to support the fund. Surcharges will be applied to intrastate retail rates, and shall not apply to wholesale services.

B. Surcharge Based on a Uniform Percentage of Retail Rates -- The retail surcharge shall be a uniform percentage rate, determined and reviewed annually by the Commission and billed and collected by all retail providers.

C. Surcharge -- The surcharge to be assessed shall equal 0.34 percent of billed intrastate retail rates.

R746-360-5. Fund Remittances and Disbursements.

A. Remitting Surcharge Revenues --

1. Telecommunications corporations, not eligible for USF support funds, providing telecommunications services subject to USF surcharges shall collect and remit surcharge revenues to the Commission within 45 days after the end of each month.

2. Telecommunications corporations eligible for USF support funds shall make remittances as follows:

a. Prior to the end of each month, the fund administrator shall inform each qualifying telecommunications corporation of the estimated amount of support that it will be eligible to receive from the USF for that month.

b. Net fund contributions shall be remitted to the Commission within 45 calendar days after the end of each month. If the net amount owed is not received by that date, remedies, including withholding future support from the USF, may apply.

3. The Commission will forward remitted revenues to the Utah State Treasurer's Office for deposit in a USF account.

B. Distribution of Funds -- Net Fund distributions to qualifying telecommunications corporations for a given month shall be made 60 days after the end of that month, unless withheld for failure to maintain qualification or failure to comply with Commission orders or rules.

R746-360-6. Eligibility for Fund Distributions.

A. Qualification --

1. To qualify to receive USF support funds, a telecommunications corporation shall be designated an "eligible telecommunications carrier," pursuant to 47 U.S.C. Section 214(e), and shall be in compliance with Commission orders and rules. Each telecommunications corporation receiving support shall use that support only to provide basic telecommunications service and any other services or purposes approved by the Commission.

2. Additional qualification criteria for Incumbent telephone corporations - In addition to the qualification criteria of R746-360-6A.1.,

a. Non-rate-of-return Incumbent telephone corporations shall make Commission approved, aggregate rate reductions for public telecommunications services, provided in the State of Utah, equal to each incremental increase in USF distribution amounts received after December 1, 1999.

b. Rate-of-return Incumbent telephone corporations shall complete a Commission review of their revenue requirement and public telecommunications services' rate structure prior to any change in their USF distribution which differs from a prior USF distribution, beginning with the USF distribution for December, 1999.

B. Rate Ceiling -- To be eligible, a telecommunications corporation may not charge retail rates in excess of the Commission determined Affordable Base Rates for basic telecommunications service or vary from the terms and conditions determined by the Commission for other telecommunications services for which it receives Universal Service Fund support.

C. Lifeline Requirement -- A telecommunications corporation may qualify to receive distributions from the fund only if it offers Lifeline service on terms and conditions prescribed by the Commission.

D. Exclusion of Resale Providers -- Only facilities-based providers, will be eligible to receive support from the fund. Where service is provided through one telecommunications corporation's resale of another telecommunications corporation's service, support may be received by the latter only.

R746-360-7. Calculation of Fund Distributions in Non-rate-of-Return Regulated Incumbent Telephone Corporation Territories.

A. Use of Proxy Cost Models -- The USF proxy cost model(s) selected by the Commission and average revenue per line will be used to determine fund distributions within designated support areas.

B. Use of USF Funds --Telecommunications corporations shall use USF funds to support each primary residential line in active service which it furnishes in each designated area.

C. Determination of Support Amounts --

1. Incumbent telephone corporation - Monies from the fund will equal the numerical difference between USF proxy model cost estimates of costs to provide residential Basic Telecommunications Service in the designated support area and the product of the Incumbent telephone corporation's Average Revenue per line, for the designated support area, times the number of Incumbent telephone corporation's active residential access lines in the designated support area.

2. Telecommunications corporations other than Incumbent telephone corporations - Monies from the fund will equal the Incumbent telephone corporation's average residential access line support amount for the respective designated support area, determined by dividing the Incumbent telephone corporation's USF monies for the designated support area by the Incumbent telephone corporation's active residential access lines in the designated support area, times the eligible telecommunications corporation's number of active residential access lines.

D. Lifeline Support -- Eligible telecommunications corporations shall receive additional USF funds to recover any discount granted to lifeline customers, participating in a Commission approved Lifeline program, that is not recovered from federal lifeline support mechanisms.

E. Exemptions -- Telecommunications corporations may petition to receive an exemption for any provision of this rule or to receive additional USF support, for use in designated support areas, to support additional services which the Commission determines to be consistent with universal service purposes and permitted by law.

R746-360-8. Calculation of Fund Distributions in Rate-of-Return Incumbent Telephone Corporation Territories.

A. Determination of Support Amounts --

1. Incumbent telephone corporation - Monies from the fund will equal the numerical difference between the Incumbent telephone corporation's total embedded costs of providing public telecommunications services, for a designated support area, less the product of the Incumbent telephone corporation's Average Revenue Per Line, for the designated support area, times the Incumbent telephone corporation's active access lines in the designated support area.

2. Telecommunications corporations other than incumbent telephone corporations - Monies from the fund will equal the respective Incumbent telephone corporation's average access line support amount for the designated support area, determined by dividing the Incumbent telephone corporation's USF monies for the designated support area by the Incumbent telephone corporation's active access lines in the designated support area, times the eligible telecommunications corporation's number of active access lines in the designated support area.

B. Lifeline Support -- Eligible telecommunications corporations shall receive additional USF funds to recover any discount granted to lifeline customers, participating in a Commission-approved Lifeline program, that is not recovered from federal lifeline support mechanisms.

C. Exemptions -- Telecommunications corporations may petition to receive an exemption for any provision of this rule or to receive additional USF support, for use in designated support areas, to support additional services which the Commission determines to be consistent with universal service purposes and permitted by law.

R746-360-9. One-Time Distributions From the Fund.

A. Applications for One-Time Distributions -- Telecommunications corporations, whether they are or are not receiving USF funds under R746-360-7 or R746-360-8, potential customers not presently receiving service because facilities are not available, or customers receiving inadequate service may apply to the Commission for one-time distributions from the fund for extension of service to a customer, or customers, not presently served or for amelioration of inadequate service.

1. These distributions are to be made only in extraordinary circumstances, when traditional methods of funding and service provision are infeasible.

2. One-time distributions will not be made for:

a. New subdivision developments with four units or more;

b. Property improvements, such as cable placement, when associated with curb and gutter installations; or

c. Exclusively seasonal developments.

3. An application for a one-time distribution may be filed with the Commission by an individual or group of consumers desiring telephone service or improved service, a telecommunications corporation on behalf of those consumers, the Division of Public Utilities, or any entity permitted by law to request agency action. An application shall identify the service(s) sought, the area to be served and the individuals or entities that will be served if the one-time distribution is approved.

4. Following the application's filing, affected telecommunications corporations shall provide engineering, facilities, costs, and any other pertinent information that will assist in the Commission's consideration of the application.

5. In considering the one-time distribution application, the Commission will examine relevant facts including the type and grade of service to be provided, the cost of providing the service, the demonstrated need for the service, whether the customer is within the service territory of a telecommunications corporation, whether the proposed service is for a primary residence, the provisions for service or line extension currently available, and other relevant factors to determine whether the one-time distribution is in the public interest.

B. Presumed Reasonable Amounts and Terms -- Unless otherwise ordered by the Commission, the maximum one-time distribution will be no more than $25,000 per customer for rate-of-return regulated companies and $23,000 per customer for non-rate-of return companies. The Commission will presume a company's service or line extension terms and conditions reasonable, for a subscriber in connection with one-time universal service fund distribution requests, if the costs of service extension, for each extension, are recovered as follows:

1. For rate-of-return regulated companies:

a. The first $500 of cost coverage is provided by the company; and

b. For cost amounts exceeding the $500 level, cost, up to two times the statewide average loop investment for all rate-of-return regulated companies, as determined annually by the Division of Public Utilities, equally provided by the company and the customer.

2. For non-rate-of-return companies:

a. The same terms as required of rate-of-return companies in R746-360-9(B)(1) and, for amounts that exceed two times the statewide average loop investment plus $500, the company will provide additional amounts, up to an additional $2,000 for each extension.

3. Other terms and conditions for service extension shall be reviewed by the Commission in its consideration of an application and may be altered by the Commission in order to approve the use of universal service funds through the requested one-time distribution.

C. Combination of One-Time Distribution Funds with Additional Customer Funds and Future Customer Payment Recovery --

1. When the Commission grants an application and approves the use of universal service funds through a one-time distribution, 95 percent of service extension costs, above those recovered through the service extension cost recover terms specified in R746-360-9(B), shall be paid through universal service funds, up to the maximum universal service fund expenditure levels specified by this rule. The remaining five percent, or any additional amounts, shall be paid by additional customer contributions beyond those specified in R746-360-9(B).

2. Potential customers in the area shall be notified by the telecommunications corporation of the nature and extent of the proposed service extension, the Commission's approval of the application, and the necessary customer contribution amounts to participate in the project. Customer contribution payments shall be made prior to the start of construction.

3. Potential customers who are notified and initially decline participation in the line extension project, but subsequently decide to participate, prior to completion of the project, may participate in the project if they make a customer contribution payment, prior to completion of the project, of 105 percent of the original customer contribution amount.

4. For a period of five years following completion of the project, potential customers who were notified and initially declined to participate in the project, prior to its completion, may participate by making a customer contribution payment of 110 percent of the original customer contribution amount.

5. For a period of five years following completion of the project, customers who did not receive the initial notification, who seek telecommunications service in the project area, shall pay a customer contribution payment equal to the amount paid by the original customers in the project.

6. The telecommunications corporation shall ensure that all customer contribution payments required by R746-360-9(C)(3), (4), and (5) are collected. Funds received through these payments shall be sent to the universal service fund administrator.

7. For each customer added during the five-year period following project completion, the telecommunications corporation and new customers shall bear the costs to extend service pursuant to the company's service or line extension terms and conditions, up to the telecommunications corporation's original contribution per customer for the project and the customer contributions required by this rule. The company may petition the Commission for a determination of the recovery from the universal service fund and the new customer for costs which exceed this amount.

D. Impact of Distribution on Rate of Return Companies -- A one-time distribution from the fund shall be recorded on the books of a rate base, rate of return regulated LEC as an aid to construction and treated as an offset to rate base.

E. Notice and Hearing -- Following notice that a one-time distribution application has been filed, any interested person may request a hearing or seek to intervene to protect his interests.

F. Bidding for Unserved Areas -- If only one telecommunications corporation is involved in the one-time distribution request, the distribution will be provided based on the reasonable and prudent actual or estimated costs of that company. If additional telecommunications corporations are involved, the distribution will be determined on the basis of a competitive bid. The estimated amount of the one-time distribution will be considered in evaluating each bid. Fund distributions in that area will be based on the winning bid.

R746-360-10. Altering the USF Charges and the End-User Surcharge Rates.

The uniform surcharge shall be adjusted periodically to minimize the difference between amounts received by the fund and amounts disbursed.

R746-360-11. Support for Schools, Libraries, and Health Care Facilities. Calculation of Fund Distributions.

The Universal Service Fund rules for schools, libraries and health care providers, as prescribed by the Federal Communications Commission in Docket 96-45, 97-157 Sections X and XI, paragraphs 424 - 749, of Order issued May 8, 1996, and CFR Sections 54.500 through 54.623 inclusive, incorporated by this reference, is the prescribed USF method that shall be employed in Utah. Funding shall be limited to funds made available through the federal universal service fund program.

KEY: public utilities, telecommunications, universal service*

October 15, 2001 **54-7-25**
54-7-26

54-8b-12
54-8b-15

R865. Tax Commission, Auditing.

R865-4D. Special Fuel Tax.

R865-4D-1. Utah Special Fuel Tax Regulation Pursuant to Utah Code Ann. Section 59-13-102.

A. Motor vehicle means and includes every self-propelled vehicle operated or suitable for operation on the highways of the state which is designed for carrying passengers or cargo; but does not include vehicles operating on stationary rails or tracks, or implements of husbandry not operating on the highways.

B. User means any person using special fuel for the propulsion of a motor vehicle on the highways of the state, including:

1. interstate operators of trucks and buses,

2. intrastate operators of trucks and buses, and

3. contractors using special fuel in self-propelled vehicles for carrying of passengers or cargo.

R865-4D-2. Clean Special Fuel Certificate, Refund Procedures for Undyed Diesel Fuel Used Off-Highway or to Operate a Power Take-Off Unit, and Sales Tax Liability Pursuant to Utah Code Ann. Sections 59-13-301 and 59-13-304.

A. If the vehicle is registered in Utah, the fee for a clean special fuel certificate under Section 59-13-304 is due at the time the vehicle is placed in operation and annually thereafter on the date the vehicle's registration is renewed. Certificates may be obtained from any Tax Commission office or any local motor vehicle office. If a vehicle is not registered in Utah, the fee is due on the date the vehicle begins operation in Utah. The fee paid for a vehicle placed in operation may be pro-rated on a monthly basis if the certificate obtained for the vehicle is valid for a period of less than 12 months. Fees paid will not be refunded if a vehicle is sold or otherwise disposed of prior to the expiration date of the certificate.

B. Fuel used in a vehicle off-highway is calculated by taking off-highway miles divided by the average number of miles per gallon. Any other method of calculating undyed diesel fuel used off-highway must be supported by on-board computer information or other information that shows the number of gallons used off-highway with accuracy equal or comparable to on-board computers.

C. Where a power take-off unit is driven by the main engine of the vehicle and used to operate auxiliary equipment, a quantity, as enumerated below, of the total undyed diesel fuel delivered into the service tank of the vehicle shall be deemed to be used to operate the power take-off unit. The allowances for power take-off units are as follows:

1. concrete mixer trucks - 20 percent;

2. garbage trucks with trash compactor - 20 percent;

3. vehicles with powered pumps, conveyors or other loading or unloading devices may be individually negotiated but shall not exceed:

a) 3/4 gallon per 1000 gallons pumped; or

b) 3/4 gallon per 6000 pounds of commodities, such as coal, grain, and potatoes, loaded or unloaded.

4. Any other method of calculating the amount of undyed diesel fuel used to operate a power take-off unit must be supported by documentation and records, including on-board computer printouts or other logs showing daily power take-off activity, that establish the actual amount of power take-off activity and fuel consumption.

D. Allowances provided for in B. and C. above will be recognized only if adequate records are maintained to support the amount claimed.

E. In the case of users filing form TC-922, Fuel Tax Return For International Fuel Tax Agreement (IFTA) And Special Fuel User Tax, or form TC-922C, Refund of Tax Paid on Exempt Fuel for Non-Utah Based Carriers, the allowance provided for in C. will be refunded to the extent total gallons allocated to Utah through IFTA exceed the actual taxable gallons used in Utah, except that in no case will refunds be allowed for power take-off use that does not occur in Utah.

F. Undyed diesel fuel used on-highway for the purpose of idling a vehicle does not qualify for a refund on special fuel tax paid since the fuel is used in the operation of a motor vehicle.

G. Diesel fuel that is purchased exempt from the special fuel tax or for which the special fuel tax has been refunded is subject to sales and use tax, unless specifically exempted under the sales and use tax statutes.

R865-4D-3. User-Dealer's License Pursuant to Utah Code Ann. Section 59-13-302.

A. Prior to any sale or use of special fuel in this state each user-dealer shall apply for and obtain a special fuel user-dealer's license for each bulk plant or service station from which such special fuel is to be sold or used. Application for a special user-dealer's license shall be made on a form provided by the Tax Commission. Under the law the Tax Commission may require a user-dealer to furnish a bond. Upon receipt and approval of the application, the commission will issue the license. A special fuel user-dealer's license is valid only for the user-dealer in whose name issued and for the specific bulk plant or service station named on the license. The license shall remain in force and effect unless the holder of the license ceases to act as a user-dealer, or the Tax Commission for reasonable cause terminates the license at an earlier date.

B. Upon sale or discontinuance of the sale or distribution of special fuel as defined in this rule from a bulk plant or service station for which a license has been issued, the user-dealer shall return for cancellation the license issued for the bulk plant or service station.

R865-4D-5. Special Fuel Tax Entrance Permits Pursuant to Utah Code Ann. Section 59-13-303.

A. Any owner or operator of a qualified motor vehicle entering or traveling within the state of Utah must:

1. carry in the cab of the vehicle a special fuel permit or license pursuant to Utah Code Ann. Sections 59-13-303, 59-13-305, and 59-13-502, or

2. purchase a Special Fuel Tax Entrance Permit.

B. Special Fuel Tax Entrance Permits shall:

1. state the name and address of the registered owner of the vehicle,

2. identify the vehicle for which it is issued,

3. be valid until the expiration of 96 hours from the time of issuance or until the vehicle exits the state, whichever occurs first, and

4. cost $20.

C. A person who buys a Special Fuel Tax Entrance Permit for a motor vehicle is required to pay special fuel tax to the user-dealer on purchases of special fuel which are delivered into the vehicle's fuel supply tank.

D. A licensed or permit user having occasion to buy the Special Fuel Tax Entrance Permit is required to report and pay tax on miles traveled under such permit; no credit or refund is allowed on the tax report either for miles traveled under the permit or for dollars paid for the permit.

R865-4D-6. Invoices Pursuant to Utah Code Ann. Section 59-13-307.

A. Every user-dealer or retail dealer of special fuel who sells special fuel, other than propane, exempt from special fuel tax must at the time of each sale and delivery issue an invoice to the purchaser.

1. If requested, an invoice must also be issued to the purchaser of special fuel that pays the special fuel tax at the time of purchase. This invoice shall serve as evidence that the special fuel tax has been paid.

B. Invoices must be numbered consecutively, made in duplicate, and contain the following information:

1. name and address of seller;
2. place of sale;
3. date of sale;
4. name and address of purchaser;
5. fuel type;
6. number of gallons sold;
7. unit number or other vehicle identification if delivered into a motor vehicle;
8. type of container delivered into if not a motor vehicle;
9. invoice number; and
10. amount and type of state tax charged, if any.

C. The user-dealer must retain a copy of each special fuel tax exempt invoice and be able to account for each tax-exempt delivery made.

D. Every user-dealer or other retail dealer of propane who sells propane exempt from special fuel tax, but subject to sales tax, must at the time of each sale and delivery keep a record of the exempt sale. This record shall be in the form of an invoice or a log, and shall serve as evidence that the sale is exempt from special fuel tax.

1. If the record is in the form of an invoice, it shall contain the information required under B.

2. If the record is in the form of a log, it shall contain the following information:

a) name and address of the seller;
b) date of sale;
c) amount of propane sold; and
d) purchaser's name.

E. The burden of proving that a sale of special fuel is exempt shall be upon the person who makes the sale. In any case, if during an audit or at other times upon request of any member or agent of the Tax Commission, the user-dealer fails to produce an acceptable invoice or other acceptable evidence in support of the user-dealer's claim that a sale is exempt, the sale is considered taxable and the tax shall be payable by the user-dealer.

F. On an exempt sale of propane or other special fuels other than diesel fuel for which a valid special fuel tax exemption certificate is presented to the dealer as evidence of exemption, the invoice must contain the following information:

1. the make, year, and license number of the vehicle;
2. the name and address of the purchaser;
3. the number of gallons sold; and
4. the special fuel tax exemption certificate number.

G. Generally, a user-dealer or retail dealer of special fuel making sales of special fuel by means of an unattended, automated metering system activated by a card or key, or similar device, must charge special fuel tax on the sales made through the various meters on the system. The tax must be charged because without information to the contrary, it is assumed that the fuel sold through the various meters is delivered into the service tanks of motor vehicles.

1. As an exception to the general rule, the user-dealer may exempt a particular meter number assigned to a customer from the special fuel tax if the customer signs a statement to the effect that none of the fuel metered under that meter number will be delivered into a motor vehicle. The statement must be retained on file by the user-dealer to support the special fuel tax exempt nature of the sale.

2. The user-dealer must charge sales tax on special fuel tax exempt sales except in those cases where the user-dealer has received and retains on file a properly completed Sales and Use Tax Exemption Certificate exempting the transaction from sales tax.

R865-4D-18. Maintenance of Records Pursuant to Utah Code Ann. Sections 59-13-305(1) and 59-13-312.

A. The records and documents maintained pursuant to Section 59-13-312 must substantiate the amount of fuel purchased and the amount of fuel used in the state and claimed on the special fuel report required by Section 59-13-305(1).

B. Every user must maintain detailed mileage records and summaries for fleets traveling in Utah, detailed fuel purchase records, and bulk disbursement records. From this information, an accurate average miles per gallon (mpg) figure can be determined for use in computing fuel tax due. No fuel entering the fuel supply tank of a motor vehicle may be excluded from the mpg computation. Refer to Tax Commission rule R865-4D-2.

C. Individual vehicle mileage records (IVMRs) separating Utah miles from non-Utah miles must be maintained. Utah miles must be separated further into taxable Utah miles and nontaxable Utah miles. An adequate IVMR will contain the following information:

1. starting and ending dates of trip;
2. trip origin and destination;
3. route of travel, beginning and ending odometer or hubometer reading, or both;
4. total trip miles;
5. Utah miles;
6. fuel purchased or drawn from bulk storage for the vehicle; and
7. other appropriate information that identifies the record, such as unit number, fleet number, record number, driver's name, and name of the user or operator of the vehicle.

D. If the user fails to maintain or provide adequate records

from which the user's true liability can be determined, the Tax Commission shall, upon giving written notice, estimate the amount of liability due. Such estimate shall take into consideration any or all of the following:

1. any available records maintained and provided by the user;

2. historical filing information;

3. industry data;

4. a flat or standard average mpg figure.

a) The standard average mpg normally applied is four mpg for qualified motor vehicles and six miles per gallon for nonqualified motor vehicles.

E. Section 59-13-312(2) requires that the user be able to support credits claimed for tax-paid fuel with documents showing payment of the Utah special fuel tax. If documents and records showing payment of the Utah special fuel tax are not maintained or are not provided upon request, the credits will be disallowed.

R865-4D-19. Refund of Special Fuel Taxes Paid by Government Entities Pursuant to Utah Code Ann. Section 59-13-301.

A. Governmental entities entitled to a refund for special fuel taxes paid shall submit a completed Application for Government Motor Fuel and Special Fuel Tax Refund, form TC-114, to the commission.

B. A governmental entity shall retain the following records for each purchase of special fuel for which a refund of taxes paid is claimed:

1. name of the government entity making the purchase;

2. license plate number of the government vehicle for which the special fuel is purchased;

3. invoice date;

4. invoice number;

5. vendor;

6. vendor location;

7. product description;

8. number of gallons purchased; and

9. amount of state special fuel tax paid.

C. Original records supporting the refund claim must be maintained by the government entity for three years following the year of refund.

R865-4D-20. Exemption or Refund for Exported Undyed Diesel Fuel Pursuant to Utah Code Ann. Section 59-13-301.

A. If untaxed undyed diesel fuel is sold by a supplier directly out-of-state or is sold by a supplier to a purchaser that will deliver the fuel directly out-of-state, the fuel may be sold by the supplier exempt from the special fuel tax.

B. If untaxed undyed diesel fuel is sold tax exempt under A., the supplier shall report the fuel sold tax exempt on the export schedule of its special fuel supplier return.

C. If special fuel tax has been paid on undyed diesel fuel that is exported, the exporter may apply to the Tax Commission, on a monthly basis and on the export refund request form provided by the Tax Commission, for a refund of special fuel taxes paid.

D. Original records supporting the exemption or refund claim must be maintained by the entity claiming the exemption or refund for three years following the year of exemption or refund.

R865-4D-21. Consistent Basis for Diesel Fuel Reporting Pursuant to Utah Code Ann. Sections 59-13-301 and 59-13-307.

A. Definitions.

1. "Gross gallon" means the United States volumetric gallon with a liquid capacity of 231 cubic inches.

2. "Net gallon" means the gross metered gallon with temperature correction in volume to 60 degrees Fahrenheit.

B. All Utah licensed special fuel suppliers shall elect to calculate the tax liability on the Utah Special Fuel Supplier Tax Return on a consistent and strict gross gallon or net gallon basis. The election must be declared in writing and must be sent to the Tax Commission. The declared basis must be the exclusive basis used for 12 consecutive months. Any supplier failing to make an election will default to the gross gallon basis and must then report and pay the excise tax on that basis. Request for changes in the reporting basis must be submitted in writing and approved by the Tax Commission prior to any change in the reporting basis. Changes in basis may occur only on January 1 and must remain in effect 12 consecutive months.

C. All invoices, bills of lading, and special fuel tax returns must include both the gross and net gallon amounts. Conversion from gross to net must conform to the ASTM-API-IP Petroleum Measurement Tables.

D. All transactions, such as purchases, sales, or deductions, reported on the Special Fuel Supplier Tax Return must be reported on a consistent and exclusive basis. The taxpayer shall not alternate the two methods on any return or during any 12-month period.

E. This rule shall take effect July 1, 1997.

R865-4D-22. Reduction in Special Fuel Tax for Suppliers Subject to Navajo Nation Fuel Tax Pursuant to Utah Code Ann. Section 59-13-301.

A. The purpose of this rule is to provide procedures for administering the reduction of special fuel tax authorized under Section 59-13-301.

B. The reduction shall be in the form of a refund.

C. The refund shall be available only for special fuel:

1. delivered to a retailer or consumer on the Utah portion of the Navajo Nation; and

2. for which Utah special fuel tax has been paid.

D. The refund shall be available to a special fuel supplier that is licensed as a distributor with the Navajo Tax Commission.

E. The refund application may be filed on a monthly basis.

F. A completed copy of the Navajo Tax Commission Monthly Fuel Distributor Tax Return, form 900, along with schedules and manifests, must be included with the Utah State Tax Commission Application for Navajo Nation Fuel Tax Refund, form TC-126.

G. Original records supporting the refund claim must be maintained by the supplier for three years following the year of refund. These records include:

1. proof of payment of Utah special fuel tax;

2. proof of payment of Navajo Nation fuel tax; and

3. documentation that the special fuel was delivered to a retailer or consumer on the Utah portion of the Navajo Nation.

KEY: taxation, fuel, special fuel

October 16, 2001	**59-13-102**
Notice of Continuation March 21, 1997	**59-13-301**
	59-13-302
	59-13-303
	59-13-304
	59-13-305
	59-13-307
	59-13-312

R865. Tax Commission, Auditing.

R865-13G. Motor Fuel Tax.

R865-13G-1. Carrier's Reports of Motor Fuel Deliveries Pursuant to Utah Code Ann. Section 59-13-208.

A. Carrier means every individual, firm, partnership, group, or corporation importing or transporting motor fuels into the state of Utah by means of conveyance, whether gratuitously, for hire, or otherwise. It includes both common and private carriers, as those terms are commonly used.

B. Every carrier delivering motor fuels, as defined in Utah Code Ann. Section 59-13-102, within this state must submit written reports of all deliveries from outside Utah. The Tax Commission will furnish forms and the forms must be submitted on or before the last day of each month to cover fuel imported during the previous month.

R865-13G-3. Export Sales Pursuant to Utah Code Ann. Section 59-13-201.

A. Sales and deliveries of motor fuel, by a Utah licensed distributor are exempt, provided one of the following requirements is met:

1. delivery is made to a point outside this state by a common or contract carrier to a Utah licensed distributor;

2. delivery is made to a point outside this state in a vehicle owned and operated by a Utah licensed distributor;

3. delivery is made at a point in or outside this state to a distributor or importer licensed in another state for use or sale in that state; or

4. delivery is made, in a drum or similar container, at a point in the state of Utah to a person for use in another state.

B. Each export sale must be supported by records that disclose the following information.

1. If sold to a licensed distributor, records shall show the date exported, the consignee or purchaser, and the destination of the motor fuel.

2. If the exporter is not a licensed distributor, credit must be claimed through a licensed distributor and the following requirements must be met:

(a) the exporter must furnish a licensed distributor with a completed Form TC-112 Proof of Exportation -- Motor Fuel, showing the date, the purchaser or consignee, and the destination of the motor fuel;

(b) the licensed distributor shall make note of the date this information is furnished and make claim for credit due on the motor fuel return for the same period in which the Form TC-112 was received;

(c) claims for credit or refund must be made within 180 days from date of export, whether the claim is made through a licensed distributor or directly to the Tax Commission; all persons authorized to do so must file a claim directly with the Tax Commission; and

C. motor fuel delivered into the fuel tank or auxiliary fuel tank of any vehicle owned or operated by a resident or a nonresident of this state is taxable.

R865-13G-5. Sales to Licensed Distributors Pursuant to Utah Code Ann. Sections 59-13-203 and 59-13-204.

A. Motor fuel dealers engaged in the business of selling motor fuel for resale in wholesale quantities may elect to become a licensed distributor under the provisions of Utah Code Ann. Sections 59-13-203 and 59-13-204 of the Motor Fuel Tax Act. License and bond requirements contained in Utah Code Ann. Section 59-13-203 of the Motor Fuel Tax Act must be fulfilled when a dealer makes this election.

B. A licensed distributor wishing to purchase motor fuel without payment of tax at the time of purchase must furnish his supplier or suppliers with a signed letter containing the following information:

1. a statement advising that the purchaser is the holder of a valid motor fuel tax license;

2. the number of the license; and

3. a statement that the purchaser will assume the responsibility and liability for the payment of motor fuel tax on all future purchases of motor fuel.

C. The letter from the purchaser must be retained by the seller as part of his permanent records.

R865-13G-6. Product Considered Exempt Pursuant to Utah Code Ann. Section 59-13-210.

A. Volatile or inflammable liquids which qualify as motor fuels under Utah laws but which in their present state are not usable in internal combustion engines and in fact are not used as motor fuels in internal combustion engines are exempt if sold in bulk quantities of not less than 1,000 gallons at each delivery.

B. The licensed motor fuel importer, refiner, or licensed distributor shall submit specifications and other related data to the Tax Commission. If the Tax Commission agrees that the product is not a taxable motor fuel in its current state, it may be sold exempt provided it is determined that all of the product sold will be used for other than use in an internal combustion engine.

C. The Tax Commission may set reporting and verification requirements for nontaxable products if additional sales are made to the same purchaser for identical use. Failure to submit reports, verification, or specifications upon request by the Tax Commission will result in the product losing its exempt status.

D. Sellers and purchasers of the exempt product must maintain records to show the use of the product together with laboratory specifications to indicate its quality. These records must be available for audit by the Tax Commission.

E. Any exempt products subsequently sold in their original state for use as a motor fuel, or to be blended with other products to be used as a motor fuel, will be subject to the motor fuel tax at the time of sale.

R865-13G-8. Nonhighway Agricultural Use Pursuant to Utah Code Ann. Section 59-13-202.

A. Every person who purchases motor fuel within this state for the operation of farm engines, including self-propelled farm machinery, used solely for nonhighway agricultural purposes, is entitled to a refund of the Utah Motor Fuel Tax paid thereon.

1. Agricultural purposes relate to the cultivation of the soil for the production of crops, including: vegetables, sod crops, grains, feed crops, trees, fruits, nursery floral and ornamental stock, and other such products of the soil. The term also includes raising livestock and animals useful to man.

2. Refunds are limited to the person raising agricultural

products for resale or performing custom agricultural work using nonhighway farm equipment. It is further limited to persons engaged in commercial farming activities rather than those engaged in a hobby or farming for personal use.

3. Fuel used in the spraying of crops by airplanes does not ordinarily qualify for refund since aviation fuel tax rather than motor fuel tax normally applies to the sale of this fuel.

R865-13G-9. Solid Hydrocarbon Motor Fuel Exemptions Pursuant to Utah Code Ann. Section 59-13-201.

A. Motor fuels refined in Utah from solid hydrocarbons located in Utah are exempt from the motor fuel tax. If any exempt product is blended into gasoline refined from oil or into gasohol produced by blending gasoline and alcohol, the resulting product will be exempt only to the extent of the exempt hydrocarbon fuel included in the final blended product.

1. For example, if the motor fuel produced from solid hydrocarbons is blended with product containing 90 percent motor fuel produced from oil, 10 percent of the total product will be exempt from the motor fuel tax. To the extent possible, the solid hydrocarbon exemption should be claimed by the person refining or distilling the exempt product.

B. If the resulting blended motor fuel is exported from Utah or sold to a tax-exempt government agency, the exemption claimed as a result of the export or government sales must be reduced by the amount of exemption claimed for the motor fuel produced from solid hydrocarbons in Utah.

C. In order for this adjustment to be made in cases where the export or exempt sale is made by someone other than the refiner or blender, the invoice covering the sale of the fuel must designate the amount of exempt product included in the motor fuel sold. This must be shown whether sold to a licensed distributor or to an unlicensed distributor.

1. If the exempt, or partially exempt product is sold to a licensed distributor, the distributor must make the adjustment on the form used to claim credit for the government sale or the export.

2. If sold to an unlicensed distributor, the export form or government sale form submitted to a licensed distributor for a claim must contain a statement disclosing the amount of exempt motor fuel included.

3. If the records are insufficient to disclose the identity of the exempt purchaser on a direct basis, an adjustment shall be made multiplying the exempt product by a percentage factor representing the government and export sales portion of total motor fuel sales for the same period.

R865-13G-10. Exemption For Collective Purchase of Motor Fuels by State and Local Government Agencies Pursuant to Utah Code Ann. Section 59-13-201.

A. Definitions:

1. "Sale" means the passing of title from the seller to the buyer for a price (see Utah Code Ann. Section 70A-2-106(1)).

2. "Delivery" means the physical transfer of the goods from seller to buyer, directly or through a carrier. Tender of delivery requires that the seller put and hold conforming goods at the buyer's disposition and give the buyer any notification reasonably necessary to enable him to take delivery (see Utah Code Ann. Section 70A-2-503(1)).

B. In order for collective purchases to qualify for the 750 gallon exemption, transactions must comply with the conditions of at least one of the four cases below.

1. Multiple government agencies exclusively sharing a tank, which is leased or owned by one or more of those agencies, may be classified as exempt if one of the following conditions are met:

a. If title to the fuel passes as it enters the tank, then any deliveries into the tank of 750 gallons or more billed to a single government agency will qualify for exemption.

b. If title to the fuel passes as it leaves the tank, then the provisions of B.2. must be met for the exemption to apply.

2. Purchases by a government agency from an automated metering system activated by a card or key qualify for exemption if the purchases are billed in quantities of 750 gallons or more and the time period over which the purchases were made is stated on the invoice. The government agency must have control of, rights to, and be the only agency billed for all fuel metered on each card or key assigned to it in order for the arrangement to be tax exempt.

3. Deliveries to more than one bulk storage facility owned or leased by a government agency qualify for exemption if the total amount of fuel delivered within 48 hours is 750 gallons or more. The location, amount, and date of each delivery must be shown on the invoice. As an example, 500 gallons may be delivered to a school district's shop, and another 500 gallons to its bulk storage facility out of town. The total 1000 gallons is exempt from taxation if the deliveries are made within 48 hours of each other and are billed as a single sale.

4. Bulk deliveries made from a truck with a delivery capacity of less than 750 gallons can qualify for the exemption if the total fuel delivered by the truck to the governmental agency within 48 hours is 750 or more gallons, regardless of the number of trips taken to deliver the fuel. The invoice must indicate the number and date of deliveries.

C. Sales to an Indian tribe for its exclusive use, acting in its tribal capacity, are exempt from taxation if the requirements of this rule are met. Sales to individual tribal members, to Indian businesses operating on or off tribal territory, or to other nontribal organizations for personal use, retail sales purposes, or distribution to third parties do not qualify for the exemption for sales to Indian tribes.

D. Licensed distributors claim the exemption on qualifying sales to government agencies by taking the deduction on their motor fuel tax return for the month in which the sales occurred. In the case of qualifying collective purchases which span more than one month, the deduction is claimed in the month in which the sale is invoiced. Nonlicensed distributors making qualifying sales to government agencies must obtain credit for the exemption through the return of the licensed distributor supplying them with the fuel for the sales. Each sale claimed as a deduction must be supported with a copy of the sales invoice attached to the return. The sales invoice must be in proper form and must contain sufficient information to substantiate the exemption status of the sale according to this rule.

R865-13G-11. Consistent Basis for Motor Fuel Reporting Pursuant to Utah Code Ann. Section 59-13-204.

A. Definitions:

1. "Gross gallon" means the United States volumetric gallon with a liquid capacity of 231 cubic inches.

2. "Net gallon" means the gross metered gallon with temperature correction in volume to 60 degrees Fahrenheit.

B. All Utah licensed distributors shall elect to calculate the tax liability on the Utah Motor Fuel Tax Returns on a consistent and strict gross gallon or net gallon basis. The election must be declared in writing and must be sent to the Tax Commission. The declared basis must be the exclusive basis used for 12 consecutive months. Any licensed distributor failing to make an election will default to the gross gallon basis and must then report and pay the excise tax on that basis. Requests for changes in the reporting basis must be submitted in writing and approved by the Tax Commission prior to any change in the reporting basis. Changes in basis may occur only on January 1 and must remain in effect 12 consecutive months.

C. If the election is made to purchase under the net gallon basis, all invoices, bills of lading, and motor fuel tax returns must include both the gross and net gallon amounts. Conversion from gross to net must conform to the ASTM-API-IP Petroleum Measurement Tables.

D. All transactions such as purchases, sales, or deductions, reported on the Motor Fuel Tax Return must be reported on a consistent and exclusive basis. The taxpayer shall not alternate the two methods on any return or during any 12-month period.

E. This rule shall take effect January 1, 1992.

R865-13G-13. Refund of Motor Fuel Taxes Paid Pursuant to Utah Code Ann. Section 59-13-201.

A. Governmental entities entitled to a refund for motor fuel taxes paid shall submit a completed Application for Government Motor Fuel and Special Fuel Tax Refund, form TC-114, to the commission.

B. A government entity shall retain the following records for each purchase of motor fuel for which a refund of taxes paid is claimed:

1. name of the government entity making the purchase;

2. license plate number of vehicle for which the motor fuel is purchased;

3. invoice date;

4. invoice number;

5. supplier;

6. Vendor location;

7. fuel type purchased;

8. number of gallons purchased; and

9. amount of state motor fuel tax paid.

C. Original records supporting the refund claim must be maintained by the governmental entity for three years following the year of refund.

R865-13G-15. Reduction in Motor Fuel Tax for Distributors Subject to Navajo Nation Fuel Tax Pursuant to Utah Code Ann. Section 59-13-201.

A. The purpose of this rule is to provide procedures for administering the reduction of motor fuel tax authorized under Section 59-13-201.

B. The reduction shall be in the form of a refund.

C. The refund shall be available only for motor fuel:

1. delivered to a retailer or consumer on the Utah portion of the Navajo Nation; and

2. for which Utah motor fuel tax has been paid.

D. The refund shall be available to a motor fuel distributor that is licensed as a distributor with the Navajo Tax Commission.

E. The refund application may be filed on a monthly basis.

F. A completed copy of the Navajo Tax Commission Monthly Fuel Distributor Tax Return, form 900, along with schedules and manifests, must be included with the Utah State Tax Commission Application for Navajo Nation Fuel Tax Refund, form TC-126.

G. Original records supporting the refund claim must be maintained by the distributor for three years following the year of refund. These records include:

1. proof of payment of Utah motor fuel tax;

2. proof of payment of Navajo Nation fuel tax; and

3. documentation that the motor fuel was delivered to a retailer or consumer on the Utah portion of the Navajo Nation.

KEY: taxation, motor fuel, gasoline, environment

October 16, 2001	**59-13-201**
Notice of Continuation April 21, 1997	**59-13-202**
	59-13-203
	59-13-204
	59-13-208
	59-13-210

R884. Tax Commission, Property Tax.
R884-24P. Property Tax.
R884-24P-5. Abatement or Deferral of Property Taxes of Indigent Persons Pursuant to Utah Code Ann. Sections 59-2-1107 through 59-2-1109 and 59-2-1202(5).

A. "Household income" includes net rents, interest, retirement income, welfare, social security, and all other sources of cash income.

B. Absence from the residence due to vacation, confinement to hospital, or other similar temporary situation shall not be deducted from the ten-month residency requirement of Section 59-2-1109(3)(a)(ii).

C. Written notification shall be given to any applicant whose application for abatement or deferral is denied.

R884-24P-7. Assessment of Mining Properties Pursuant to Utah Code Ann. Section 59-2-201.

A. Definitions.

1. "Allowable costs" means those costs reasonably and necessarily incurred to own and operate a productive mining property and bring the minerals or finished product to the customary or implied point of sale.

a) Allowable costs include: salaries and wages, payroll taxes, employee benefits, workers compensation insurance, parts and supplies, maintenance and repairs, equipment rental, tools, power, fuels, utilities, water, freight, engineering, drilling, sampling and assaying, accounting and legal, management, insurance, taxes (including severance, property, sales/use, and federal and state income taxes), exempt royalties, waste disposal, actual or accrued environmental cleanup, reclamation and remediation, changes in working capital (other than those caused by increases or decreases in product inventory or other nontaxable items), and other miscellaneous costs.

b) For purposes of the discounted cash flow method, allowable costs shall include expected future capital expenditures in addition to those items outlined in A.1.a).

c) For purposes of the capitalized net revenue method, allowable costs shall include straight- line depreciation of capital expenditures in addition to those items outlined in A.1.a).

d) Allowable costs does not include interest, depletion, depreciation other than allowed in A.1.c), amortization, corporate overhead other than allowed in A.1.a), or any expenses not related to the ownership or operation of the mining property being valued.

e) To determine applicable federal and state income taxes, straight line depreciation, cost depletion, and amortization shall be used.

2. "Asset value" means the value arrived at using generally accepted cost approaches to value.

3. "Capital expenditure" means the cost of acquiring property, plant, and equipment used in the productive mining property operation and includes:

a) purchase price of an asset and its components;

b) transportation costs;

c) installation charges and construction costs; and

d) sales tax.

4. "Constant or real dollar basis" means cash flows or net revenues used in the discounted cash flow or capitalized net revenue methods, respectively, prepared on a basis where inflation or deflation are adjusted back to the lien date. For this purpose, inflation or deflation shall be determined using the gross domestic product deflator produced by the Congressional Budget Office, or long-term inflation forecasts produced by reputable analysts, other similar sources, or any combination thereof.

5. "Discount rate" means the rate that reflects the current yield requirements of investors purchasing comparable properties in the mining industry, taking into account the industry's current and projected market, financial, and economic conditions.

6. "Economic production" means the ability of the mining property to profitably produce and sell product, even if that ability is not being utilized.

7. "Exempt royalties" means royalties paid to this state or its political subdivisions, an agency of the federal government, or an Indian tribe.

8. "Expected annual production" means the economic production from a mine for each future year as estimated by an analysis of the life-of-mine mining plan for the property.

9. "Fair market value" is as defined in Section 59-2-102.

10. "Federal and state income taxes" mean regular taxes based on income computed using the marginal federal and state income tax rates for each applicable year.

11. "Implied point of sale" means the point where the minerals or finished product change hands in the normal course of business.

12. "Net cash flow" for the discounted cash flow method means, for each future year, the expected product price multiplied by the expected annual production that is anticipated to be sold or self-consumed, plus related revenue cash flows, minus allowable costs.

13. "Net revenue" for the capitalized net revenue method means, for any of the immediately preceding five years, the actual receipts from the sale of minerals (or if self - consumed, the value of the self-consumed minerals), plus actual related revenue cash flows, minus allowable costs.

14. "Non-operating mining property" means a mine that has not produced in the previous calendar year and is not currently capable of economic production, or land held under a mineral lease not reasonably necessary in the actual mining and extraction process in the current mine plan.

15. "Productive mining property" means the property of a mine that is either actively producing or currently capable of having economic production. Productive mining property includes all taxable interests in real property, improvements and tangible personal property upon or appurtenant to a mine that are used for that mine in exploration, development, engineering, mining, crushing or concentrating, processing, smelting, refining, reducing, leaching, roasting, other processes used in the separation or extraction of the product from the ore or minerals and the processing thereof, loading for shipment, marketing and sales, environmental clean-up, reclamation and remediation, general and administrative operations, or transporting the finished product or minerals to the customary point of sale or to the implied point of sale in the case of self-consumed minerals.

16. "Product price" for each mineral means the price that

is most representative of the price expected to be received for the mineral in future periods.

a) Product price is determined using one or more of the following approaches:

(1) an analysis of average actual sales prices per unit of production for the minerals sold by the taxpayer for up to five years preceding the lien date; or,

(2) an analysis of the average posted prices for the minerals, if valid posted prices exist, for up to five calendar years preceding the lien date; or,

(3) the average annual forecast prices for each of up to five years succeeding the lien date for the minerals sold by the taxpayer and one average forecast price for all years thereafter for those same minerals, obtained from reputable forecasters, mutually agreed upon between the Property Tax Division and the taxpayer.

b) If self-consumed, the product price will be determined by one of the following two methods:

(1) Representative unit sales price of like minerals. The representative unit sales price is determined from:

(a) actual sales of like mineral by the taxpayer;

(b) actual sales of like mineral by other taxpayers; or

(c) posted prices of like mineral; or

(2) If a representative unit sales price of like minerals is unavailable, an imputed product price for the self-consumed minerals may be developed by dividing the total allowable costs by one minus the taxpayer's discount rate to adjust to a cost that includes profit, and dividing the resulting figure by the number of units mined.

17. "Related revenue cash flows" mean non-product related cash flows related to the ownership or operation of the mining property being valued. Examples of related revenue cash flows include royalties and proceeds from the sale of mining equipment.

18. "Self consumed minerals" means the minerals produced from the mining property that the mining entity consumes or utilizes for the manufacture or construction of other goods and services.

19. "Straight line depreciation" means depreciation computed using the straight line method applicable in calculating the regular federal tax. For this purpose, the applicable recovery period shall be seven years for depreciable tangible personal mining property and depreciable tangible personal property appurtenant to a mine, and 39 years for depreciable real mining property and depreciable real property appurtenant to a mine.

B. Valuation.

1. The discounted cash flow method is the preferred method of valuing productive mining properties. Under this method the taxable value of the mine shall be determined by:

a) discounting the future net cash flows for the remaining life of the mine to their present value as of the lien date; and

b) subtracting from that present value the fair market value, as of the lien date, of licensed vehicles and nontaxable items.

2. The mining company shall provide to the Property Tax Division an estimate of future cash flows for the remaining life of the mine. These future cash flows shall be prepared on a constant or real dollar basis and shall be based on factors including the life-of-mine mining plan for proven and probable reserves, existing plant in place, capital projects underway, capital projects approved by the mining company board of directors, and capital necessary for sustaining operations. All factors included in the future cash flows, or which should be included in the future cash flows, shall be subject to verification and review for reasonableness by the Property Tax Division.

3. If the taxpayer does not furnish the information necessary to determine a value using the discounted cash flow method, the Property Tax Division may use the capitalized net revenue method. This method is outlined as follows:

a) Determine annual net revenue, both net losses and net gains, from the productive mining property for each of the immediate past five years, or years in operation, if less than five years. Each year's net revenue shall be adjusted to a constant or real dollar basis.

b) Determine the average annual net revenue by summing the values obtained in B.3.a) and dividing by the number of operative years, five or less.

c) Divide the average annual net revenue by the discount rate to determine the fair market value of the entire productive mining property.

d) Subtract from the fair market value of the entire productive mining property the fair market value, as of the lien date, of licensed vehicles and nontaxable items, to determine the taxable value of the productive mining property.

4. The discount rate shall be determined by the Property Tax Division.

a) The discount rate shall be determined using the weighted average cost of capital method, a survey of reputable mining industry analysts, any other accepted methodology, or any combination thereof.

b) If using the weighted average cost of capital method, the Property Tax Division shall include an after-tax cost of debt and of equity. The cost of debt will consider market yields. The cost of equity shall be determined by the capital asset pricing model, arbitrage pricing model, risk premium model, discounted cash flow model, a survey of reputable mining industry analysts, any other accepted methodology, or a combination thereof.

5. Where the discount rate is derived through the use of publicly available information of other companies, the Property Tax Division shall select companies that are comparable to the productive mining property. In making this selection and in determining the discount rate, the Property Tax Division shall consider criteria that includes size, profitability, risk, diversification, or growth opportunities.

6. A non-operating mine will be valued at fair market value consistent with other taxable property.

7. If, in the opinion of the Property Tax Division, these methods are not reasonable to determine the fair market value, the Property Tax Division may use other valuation methods to estimate the fair market value of a mining property.

8. The fair market value of a productive mining property may not be less than the fair market value of the land, improvements, and tangible personal property upon or appurtenant to the mining property. The mine value shall include all equipment, improvements and real estate upon or appurtenant to the mine. All other tangible property not appurtenant to the mining property will be separately valued at fair market value.

9. Where the fair market value of assets upon or appurtenant to the mining property is determined under the cost method, the Property Tax Division shall use the replacement cost new less depreciation approach. This approach shall consider the cost to acquire or build an asset with like utility at current prices using modern design and materials, adjusted for loss in value due to physical deterioration or obsolescence for technical, functional and economic factors.

C. When the fair market value of a productive mining property in more than one tax area exceeds the asset value, the fair market value will be divided into two components and apportioned as follows:

1. Asset value that includes machinery and equipment, improvements, and land surface values will be apportioned to the tax areas where the assets are located.

2. The fair market value less the asset value will give an income increment of value. The income increment will be apportioned as follows:

a) Divide the asset value by the fair market value to determine a quotient. Multiply the quotient by the income increment of value. This value will be apportioned to each tax area based on the percentage of the total asset value in that tax area.

b) The remainder of the income increment will be apportioned to the tax areas based on the percentage of the known mineral reserves according to the mine plan.

D. The provisions of this rule shall be implemented and become binding on taxpayers beginning January 1, 1998.

R884-24P-8. Security for Property Tax on Uranium and Vanadium Mines Pursuant to Utah Code Ann. Section 59-2-211.

A. The security deposit allowed by Section 59-2-211 shall be requested from the mine owners or operators by giving notice in the manner required by Section 59-2-211. A list of mine owners and operators who have made lump sum security deposits with the Tax Commission will be furnished annually by the Tax Commission to any person, mill, buying station, or other legal entity receiving uranium or vanadium ore mined, produced, or received from within Utah.

B. At the option of the mine owner or operator, within 30 days after receiving proper notice from the Tax Commission, or if the mine owner or operator has not complied with the request within the 30 day period, the Tax Commission may implement the following procedure:

1. Any person, mill, buying station, or other legal entity receiving uranium or vanadium ore mined, produced, or received from within Utah shall withhold 4 percent, or any higher amount set by the Tax Commission, of the gross proceeds due to the mine operator or owner.

2. All amounts withheld shall be remitted to the Tax Commission by the last day of April, July, October, and January for the immediately preceding calendar quarter, in the manner set forth by the Tax Commission.

3. Not later than the last day of February, owners or operators of uranium and vanadium mines who have not made lump sum security deposits with the Tax Commission shall be provided with a statement from the Tax Commission showing all security deposit amounts withheld from their gross proceeds during the previous calendar year.

4. The Tax Commission shall provide the county treasurers with a list of all uranium and vanadium mine owners and operators who have had security deposit amounts withheld. The county treasurers shall then advise the Tax Commission in writing of the amount of taxes due from each mine owner or operator on the Tax Commission's list.

5. Once all county treasurers have responded, the Tax Commission shall forward to each county treasurer the taxes due, or the pro rata portion thereof, to the extent taxes have been withheld and remitted to the Tax Commission.

a. Any amount withheld in excess of the total taxes due to all counties shall be refunded to the appropriate mine owner or operator by the Tax Commission.

b. If the amount withheld is not sufficient to pay the full amount of taxes due, the county treasurers shall collect the balance of taxes directly from the mine owner or operator.

R884-24P-10. Taxation of Underground Rights in Land That Contains Deposits of Oil or Gas Pursuant to Utah Code Ann. Sections 59-2-201 and 59-2-210.

A. Definitions.

1. "Person" is as defined in Section 68-3-12.

2. "Working interest owner" means the owner of an interest in oil, gas, or other hydrocarbon substances burdened with a share of the expenses of developing and operating the property.

3. "Unit operator" means a person who operates all producing wells in a unit.

4. "Independent operator" means a person operating an oil or gas producing property not in a unit.

5. One person can, at the same time, be a unit operator, a working interest owner, and an independent operator and must comply with all requirements of this rule based upon the person's status in the respective situations.

6. "Expected annual production" means the future economic production of an oil and gas property as estimated by the Property Tax Division using decline curve analysis. Expected annual production does not include production used on the same well, lease, or unit for the purpose of repressuring or pressure maintenance.

7. "Product price" means:

a) Oil: The weighted average posted price for the calendar year preceding January 1, specific for the field in which the well is operating as designated by the Division of Oil, Gas, and Mining. The weighted average posted price is determined by weighing each individual posted price based on the number of days it was posted during the year, adjusting for gravity, transportation, escalation, or deescalation.

b) Gas:

(1) If sold under contract, the price shall be the stated price as of January 1, adjusted for escalation and deescalation.

(2) If sold on the spot market or to a direct end-user, the price shall be the average price received for the 12-month period immediately preceding January 1, adjusted for escalation and deescalation.

8. "Future net revenue" means annual revenues less costs of the working interests and royalty interest.

9. "Revenue" means expected annual gross revenue,

calculated by multiplying the product price by expected annual production for the remaining economic life of the property.

10. "Costs" means expected annual allowable costs applied against revenue of cost-bearing interests:

a) Examples of allowable costs include management salaries; labor; payroll taxes and benefits; workers' compensation insurance; general insurance; taxes (excluding income and property taxes); supplies and tools; power; maintenance and repairs; office; accounting; engineering; treatment; legal fees; transportation; miscellaneous; capital expenditures; and the imputed cost of self consumed product.

b) Interest, depreciation, or any expense not directly related to the unit will shall not be included as allowable costs.

11. "Production asset" means any asset located at the well site that is used to bring oil or gas products to a point of sale or transfer of ownership.

B. The discount rate shall be determined by the Property Tax Division using methods such as the weighted cost of capital method.

1. The cost of debt shall consider market yields. The cost of equity shall be determined by the capital asset pricing model, risk premium model, discounted cash flow model, a combination thereof, or any other accepted methodology.

2. The discount rate shall reflect the current yield requirements of investors purchasing similar properties, taking into consideration income, income taxes, risk, expenses, inflation, and physical and locational characteristics.

3. The discount rate shall contain the same elements as the expected income stream.

C. Assessment Procedures.

1. Underground rights in lands containing deposits of oil or gas and the related tangible property shall be assessed by the Property Tax Division in the name of the unit operator, the independent operator, or other person as the facts may warrant.

2. The taxable value of underground oil and gas rights shall be determined by discounting future net revenues to their present value as of the lien date of the assessment year and then subtracting the value of applicable exempt federal, state, and Indian royalty interests.

3. The reasonable taxable value of productive underground oil and gas rights shall be determined by the methods described in C.2. of this rule or such other valuation method that the Tax Commission believes to be reasonably determinative of the property's fair market value.

4. The value of the production assets shall be considered in the value of the oil and gas reserves as determined in C.2. above. Any other tangible property shall be separately valued at fair market value by the Property Tax Division.

5. The minimum value of the property shall be the value of the production assets.

D. Collection by Operator.

1. The unit operator may request the Property Tax Division to separately list the value of the working interest, and the value of the royalty interest on the Assessment Record. When such a request is made, the unit operator is responsible to provide the Property Tax Division with the necessary information needed to compile this list. The unit operator may make a reasonable estimate of the ad valorem tax liability for a given period and may withhold funds from amounts due to royalty. Withheld funds shall be sufficient to ensure payment of the ad valorem tax on each fractional interest according to the estimate made.

a) If a unit operating agreement exists between the unit operator and the fractional working interest owners, the unit operator may withhold or collect the tax according to the terms of that agreement.

b) In any case, the unit operator and the fractional interest owner may make agreements or arrangements for withholding or otherwise collecting this tax. This may be done whether or not that practice is consistent with the preceding paragraphs so long as all requirements of the law are met. When a fractional interest owner has had funds withheld to cover the estimated ad valorem tax liability and the operator fails to remit such taxes to the county when due, the fractional interest owner shall be indemnified from any further ad valorem tax liability to the extent of the withholding.

c) The unit operator shall compare the amount withheld to the taxes actually due, and return any excess amount to the fractional interest owner within 60 days after the delinquent date of the tax. At the request of the fractional interest owner the excess may be retained by the unit operator and applied toward the fractional interest owner's tax liability for the subsequent year.

2. The penalty provided for in Section 59-2-210 is intended to ensure collection by the county of the entire tax due. Any unit operator who has paid this county imposed penalty, and thereafter collects from the fractional interest holders any part of their tax due, may retain those funds as reimbursement against the penalty paid.

3. Interest on delinquent taxes shall be assessed as set forth in Section 59-2-1331.

4. Each unit operator may be required to submit to the Property Tax Division a listing of all fractional interest owners and their interests upon specific request of the Property Tax Division. Working interest owners, upon request, shall be required to submit similar information to unit operators.

R884-24P-14. Valuation of Real Property Encumbered by Preservation Easements Pursuant to Utah Code Ann. Section 59-2-303.

A. The assessor shall take into consideration any preservation easements attached to historically significant real property and structures when determining the property's value.

B. After the preservation easement has been recorded with the county recorder, the property owner of record shall submit to the county assessor and the Tax Commission a notice of the preservation easement containing the following information:

1. the property owner's name;

2. the address of the property; and

3. the serial number of the property.

C. The county assessor shall review the property and incorporate any value change due to the preservation easement in the following year's assessment roll.

R884-24P-16. Assessment of Interlocal Cooperation Act Project Entity Properties Pursuant to Utah Code Ann. Section 11-13-25.

A. Definitions:

1. "Utah fair market value" means the fair market value of

that portion of the property of a project entity located within Utah upon which the fee in lieu of ad valorem property tax may be calculated.

2. "Fee" means the annual fee in lieu of ad valorem property tax payable by a project entity pursuant to Section 11-13-25.

3. "Energy supplier" means an entity that purchases any capacity, service or other benefit of a project to provide electrical service.

4. "Exempt energy supplier" means an energy supplier whose tangible property is exempted by Article XIII, Sec. 2. of the Constitution of Utah from the payment of ad valorem property tax.

5. "Optimum operating capacity" means the capacity at which a project is capable of operating on a sustained basis taking into account its design, actual operating history, maintenance requirements, and similar information from comparable projects, if any. The determination of the projected and actual optimum operating capacities of a project shall recognize that projects are not normally operated on a sustained basis at 100 percent of their designed or actual capacities and that the optimum level for operating a project on a sustained basis may vary from project to project.

6. "Property" means any electric generating facilities, transmission facilities, distribution facilities, fuel facilities, fuel transportation facilities, water facilities, land, water or other existing facilities or tangible property owned by a project entity and required for the project which, if owned by an entity required to pay ad valorem property taxes, would be subject to assessment for ad valorem tax purposes.

7. "Sold," for the purpose of interpreting D, means the first sale of the capacity, service, or other benefit produced by the project without regard to any subsequent sale, resale, or lay-off of that capacity, service, or other benefit.

8. "Taxing jurisdiction" means a political subdivision of this state in which any portion of the project is located.

9. All definitions contained in the Interlocal Cooperation Act, Section 11-13-3, as in effect on December 31, 1989, apply to this rule.

B. The Tax Commission shall determine the fair market value of the property of each project entity. Fair market value shall be based upon standard appraisal theory and shall be determined by correlating estimates derived from the income and cost approaches to value described below.

1. The income approach to value requires the imputation of an income stream and a capitalization rate. The income stream may be based on recognized indicators such as average income, weighted income, trended income, present value of future income streams, performance ratios, and discounted cash flows. The imputation of income stream and capitalization rate shall be derived from the data of other similarly situated companies. Similarity shall be based on factors such as location, fuel mix, customer mix, size and bond ratings. Estimates may also be imputed from industry data generally. Income data from similarly situated companies will be adjusted to reflect differences in governmental regulatory and tax policies.

2. The cost approach to value shall consist of the total of the property's net book value of the project's property. This total shall then be adjusted for obsolescence if any.

3. In addition to, and not in lieu of, any adjustments for obsolescence made pursuant to B.2., a phase-in adjustment shall be made to the assessed valuation of any new project or expansion of an existing project on which construction commenced by a project entity after January 1, 1989 as follows:

a) During the period the new project or expansion is valued as construction work in process, its assessed valuation shall be multiplied by the percentage calculated by dividing its projected production as of the projected date of completion of construction by its projected optimum operating capacity as of that date.

b) Once the new project or expansion ceases to be valued as construction work in progress, its assessed valuation shall be multiplied by the percentage calculated by dividing its actual production by its actual optimum operating capacity. After the new project or expansion has sustained actual production at its optimum operating capacity during any tax year, this percentage shall be deemed to be 100 percent for the remainder of its useful life.

C. If portions of the property of the project entity are located in states in addition to Utah and those states do not apply a unit valuation approach to that property, the fair market value of the property allocable to Utah shall be determined by computing the cost approach to value on the basis of the net book value of the property located in Utah and imputing an estimated income stream based solely on the value of the Utah property as computed under the cost approach. The correlated value so determined shall be the Utah fair market value of the property.

D. Before fixing and apportioning the Utah fair market value of the property to the respective taxing jurisdictions in which the property, or a portion thereof is located, the Utah fair market value of the property shall be reduced by the percentage of the capacity, service, or other benefit sold by the project entity to exempt energy suppliers.

E. For purposes of calculating the amount of the fee payable under Section 11-13-25(3), the percentage of the project that is used to produce the capacity, service or other benefit sold shall be deemed to be 100 percent, subject to adjustments provided by this rule, from the date the project is determined to be commercially operational.

F. In computing its tax rate pursuant to the formula specified in Section 59-2-913(2), each taxing jurisdiction in which the project property is located shall add to the amount of its budgeted property tax revenues the amount of any credit due to the project entity that year under Section 11-13-25(3), and shall divide the result by the sum of the taxable value of all property taxed, including the value of the project property apportioned to the jurisdiction, and further adjusted pursuant to the requirements of Section 59-2-913.

G. B.1. and B.2. are retroactive to the lien date of January 1, 1984. B.3. is effective as of the lien date of January 1, 1989. The remainder of this rule is retroactive to the lien date of January 1, 1988.

R884-24P-17. Reappraisal of Real Property by County Assessors Pursuant to Utah Constitution, Article XIII, Subsection 11, and Utah Code Ann. Sections 59-2-303, 59-2-

302, and 59-2-704.

A. The following standards shall be followed in sequence when performing a reappraisal of all classes of locally-assessed real property within a county.

1. Conduct a preliminary survey and plan.

a) Compile a list of properties to be appraised by property class.

b) Assemble a complete current set of ownership plats.

c) Estimate personnel and resource requirements.

d) Construct a control chart to outline the process.

2. Select a computer-assisted appraisal system and have the system approved by the Property Tax Division.

3. Obtain a copy of all probable transactions from the recorder's office for the three-year period ending on the effective date of reappraisal.

4. Perform a use valuation on agricultural parcels using the most recent set of aerial photographs covering the jurisdiction.

a) Perform a field review of all agricultural land, dividing up the land by agricultural land class.

b) Transfer data from the aerial photographs to the current ownership plats, and compute acreage by class on a per parcel basis.

c) Enter land class information and the calculated agricultural land use value on the appraisal form.

5. Develop a land valuation guideline.

6. Perform an appraisal on improved sold properties considering the three approaches to value.

7. Develop depreciation schedules and time-location modifiers by comparing the appraised value with the sale price of sold properties.

8. Organize appraisal forms by proximity to each other and by geographical area. Insert sold property information into the appropriate batches.

9. Collect data on all nonsold properties.

10. Develop capitalization rates and gross rent multipliers.

11. Estimate the value of income-producing properties using the appropriate capitalization method.

12. Input the data into the automated system and generate preliminary values.

13. Review the preliminary figures and refine the estimate based on the applicable approaches to value.

14. Develop an outlier analysis program to identify and correct clerical or judgment errors.

15. Perform an assessment/sales ratio study. Include any new sale information.

16. Make a final review based on the ratio study including an analysis of variations in ratios. Make appropriate adjustments.

17. Calculate the final values and place them on the assessment role.

18. Develop and publish a sold properties catalog.

19. Establish the local Board of Equalization procedure.

20. Prepare and file documentation of the reappraisal program with the local Board of Equalization and Property Tax Division.

B. The Tax Commission shall provide procedural guidelines for implementing the above requirements.

R884-24P-19. Appraiser Designation Program Pursuant to Utah Code Ann. Sections 59-2-701 and 59-2-702.

A. "State Licensed Appraiser", "State Certified General Appraiser," and "State Certified Residential Appraiser" are as defined in Section 61-2b-2.

B. The ad valorem training and designation program consists of several courses and practica.

1. Certain courses must be sanctioned by either the International Association of Assessing Officers (IAAO) or the Western States Association of Tax Administrators (WSATA).

2. Most courses are one week in duration, with an examination held on the final day. The courses comprising the basic designation program are:

a) Course A - Assessment Practice in Utah;

b) Course B - Fundamentals of Real Property Appraisal (IAAO 101);

c) Course C - Mass Appraisal of Land;

d) Course D - Building Analysis and Valuation;

e) Course E - Income Approach to Valuation (IAAO 102);

f) Course G - Development and Use of Personal Property Schedules;

g) Course H - Appraisal of Public Utilities and Railroads (WSATA); and

h) Course J - Uniform Standards of Professional Appraisal Practice (USPAP).

3. The Tax Commission may allow equivalent appraisal education to be submitted in lieu of Course B, Course E, and Course J.

C. Candidates must attend 90 percent of the classes in each course and pass the final examination for each course with a grade of 70 percent or more to be successful.

D. There are four recognized ad valorem designations: Ad Valorem Residential Appraiser, Ad Valorem General Real Property Appraiser, Ad Valorem Personal Property Auditor/Appraiser, and Ad Valorem Centrally Assessed Valuation Analyst.

1. These designations are granted only to individuals working as appraisers, review appraisers, valuation auditors, or analysts/administrators providing oversight and direction to appraisers and auditors.

2. An assessor, county employee, or state employee must hold the appropriate designation to value property for ad valorem taxation purposes.

E. Ad Valorem Residential Appraiser.

1. To qualify for this designation, an individual must:

a) successfully complete Courses A, B, C, D, and J;

b) successfully complete a comprehensive residential field practicum; and

c) attain and maintain state licensed or state certified appraiser status.

2. Upon designation, the appraiser may value residential, vacant, and agricultural property for ad valorem taxation purposes.

F. Ad Valorem General Real Property Appraiser.

1. In order to qualify for this designation, an individual must:

a) successfully complete Courses A, B, C, D, E, and J;

b) successfully complete a comprehensive field practicum including residential and commercial properties; and

c) attain and maintain state licensed or state certified

appraiser status.

2. Upon designation, the appraiser may value all types of locally assessed real property for ad valorem taxation purposes.

G. Ad Valorem Personal Property Auditor/Appraiser.

1. To qualify for this designation, an individual must successfully complete:

a) Courses A, B, G, and J; and

b) a comprehensive auditing practicum.

2. Upon designation, the auditor/appraiser may value locally assessed personal property for ad valorem taxation purposes.

H. Ad Valorem Centrally Assessed Valuation Analyst.

1. In order to qualify for this designation, an individual must:

a) successfully complete Courses A, B, E, H, and J;

b) successfully complete a comprehensive valuation practicum; and

c) attain and maintain state licensed or state certified appraiser status.

2. Upon designation, the analyst may value centrally assessed property for ad valorem taxation purposes.

I. If a candidate fails to receive a passing grade on a final examination, one re-examination is allowed. If the re-examination is not successful, the individual must retake the failed course. The cost to retake the failed course will not be borne by the Tax Commission.

J. A practicum involves the appraisal or audit of selected properties. The candidate's supervisor must formally request that the Property Tax Division administer a practicum.

1. Emphasis is placed on those types of properties the candidate will most likely encounter on the job.

2. The practicum will be administered by a designated appraiser assigned from the Property Tax Division.

K. An appraiser trainee referred to in Section 59-2-701 shall be designated an ad valorem associate if the appraiser trainee:

1. has completed all Tax Commission appraiser education and practicum requirements for designation under E., F., and H.; and

2. has not completed the requirements for licensure or certification under Title 71, Chapter 2b, Real Estate Appraiser Licensing and Certification.

L. An individual holding a specified designation can qualify for other designations by meeting the additional requirements outlined above.

M. Maintaining designated status requires completion of 28 hours of Tax Commission approved classroom work every two years.

N. Upon termination of employment from any Utah assessment jurisdiction, or if the individual no longer works primarily as an appraiser, review appraiser, valuation auditor, or analyst/administrator in appraisal matters, designation is automatically revoked.

1. Ad valorem designation status may be reinstated if the individual secures employment in any Utah assessment jurisdiction within four years from the prior termination.

2. If more than four years elapse between termination and rehire, and

a) the individual has been employed in a closely allied field, then the individual may challenge the course examinations. Upon successfully challenging all required course examinations, the prior designation status will be reinstated; or

b) if the individual has not been employed in real estate valuation or a closely allied field, the individual must retake all required courses and pass the final examinations with a score of 70 percent or more.

O. All appraisal work performed by Tax Commission designated appraisers shall meet the standards set forth in section 61-2b-27.

P. If appropriate Tax Commission designations are not held by assessor's office personnel, the appraisal work must be contracted out to qualified private appraisers. An assessor's office may elect to contract out appraisal work to qualified private appraisers even if personnel with the appropriate designation are available in the office. If appraisal work is contracted out, the following requirements must be met.

1. The private sector appraisers contracting the work must hold the State Certified Residential Appraiser or State Certified General Appraiser license issued by the Division of Real Estate of the Utah Department of Commerce. Only State Certified General Appraisers may appraise nonresidential properties.

2. All appraisal work shall meet the standards set forth in Section 61-2b-27.

Q. The completion and delivery of the assessment roll required under Section 59-2-311 is an administrative function of the elected assessor.

1. There are no specific licensure, certification, or educational requirements related to this function.

2. An elected assessor may complete and deliver the assessment roll as long as the valuations and appraisals included in the assessment roll were completed by persons having the required designations.

R884-24P-20. Construction Work in Progress Pursuant to Utah Constitution Art. XIII, Section 2 and Utah Code Ann. Sections 59-2-201 and 59-2-301.

A. For purposes of this rule:

1. Construction work in progress means improvements as defined in Section 59-2-102, and personal property as defined in Section 59-2-102, not functionally complete as defined in A.6.

2. Project means any undertaking involving construction, expansion or modernization.

3. "Construction" means:

a) creation of a new facility;

b) acquisition of personal property; or

c) any alteration to the real property of an existing facility other than normal repairs or maintenance.

4. Expansion means an increase in production or capacity as a result of the project.

5. Modernization means a change or contrast in character or quality resulting from the introduction of improved techniques, methods or products.

6. Functionally complete means capable of providing economic benefit to the owner through fulfillment of the purpose for which it was constructed. In the case of a cost-regulated utility, a project shall be deemed to be functionally

complete when the operating property associated with the project has been capitalized on the books and is part of the rate base of that utility.

7. Allocable preconstruction costs means expenditures associated with the planning and preparation for the construction of a project. To be classified as an allocable preconstruction cost, an expenditure must be capitalized.

8. Cost regulated utility means a power company, oil and gas pipeline company, gas distribution company or telecommunication company whose earnings are determined by a rate of return applied to rate base. Rate of return and rate base are set and approved by a state or federal regulatory commission.

9. Residential means single-family residences and duplex apartments.

10. Unit method of appraisal means valuation of the various physical components of an integrated enterprise as a single going concern. The unit method may employ one or more of the following approaches to value: the income approach, the cost approach, and the stock and debt approach.

B. All construction work in progress shall be valued at "full cash value" as described in this rule.

C. Discount Rates

For purposes of this rule, discount rates used in valuing all projects shall be determined by the Tax Commission, and shall be consistent with market, financial and economic conditions.

D. Appraisal of Allocable Preconstruction Costs.

1. If requested by the taxpayer, preconstruction costs associated with properties, other than residential properties, may be allocated to the value of the project in relation to the relative amount of total expenditures made on the project by the lien date. Allocation will be allowed only if the following conditions are satisfied by January 30 of the tax year for which the request is sought:

a) a detailed list of preconstruction cost data is supplied to the responsible agency;

b) the percent of completion of the project and the preconstruction cost data are certified by the taxpayer as to their accuracy.

2. The preconstruction costs allocated pursuant to D.1. of this rule shall be discounted using the appropriate rate determined in C. The discounted allocated value shall either be added to the values of properties other than residential properties determined under E.1. or shall be added to the values determined under the various approaches used in the unit method of valuation determined under F.

3. The preconstruction costs allocated under D. are subject to audit for four years. If adjustments are necessary after examination of the records, those adjustments will be classified as property escaping assessment.

E. Appraisal of Properties not Valued under the Unit Method.

1. The full cash value, projected upon completion, of all properties valued under this section, with the exception of residential properties, shall be reduced by the value of the allocable preconstruction costs determined D. This reduced full cash value shall be referred to as the "adjusted full cash value."

2. On or before January 1 of each tax year, each county assessor and the Tax Commission shall determine, for projects not valued by the unit method and which fall under their respective areas of appraisal responsibility, the following:

a) The full cash value of the project expected upon completion.

b) The expected date of functional completion of the project currently under construction.

(1) The expected date of functional completion shall be determined by the county assessor for locally assessed properties and by the Tax Commission for centrally-assessed properties.

c) The percent of the project completed as of the lien date.

(1) Determination of percent of completion for residential properties shall be based on the following percentage of completion:

(a) 10 - Excavation-foundation

(b) 30 - Rough lumber, rough labor

(c) 50 - Roofing, rough plumbing, rough electrical, heating

(d) 65 - Insulation, drywall, exterior finish

(e) 75 - Finish lumber, finish labor, painting

(f) 90 - Cabinets, cabinet tops, tile, finish plumbing, finish electrical

(g) 100 - Floor covering, appliances, exterior concrete, misc.

(2) In the case of all other projects under construction and valued under this section the percent of completion shall be determined by the county assessor for locally assessed properties and by the Tax Commission for centrally-assessed properties.

3. Upon determination of the adjusted full cash value for nonresidential projects under construction or the full cash value expected upon completion of residential projects under construction, the expected date of completion, and the percent of the project completed, the assessor shall do the following:

a) multiply the percent of the residential project completed by the total full cash value of the residential project expected upon completion; or in the case of nonresidential projects,

b) multiply the percent of the nonresidential project completed by the adjusted full cash value of the nonresidential project;

c) adjust the resulting product of D.3.a) or D.3.b) for the expected time of completion using the discount rate determined under C.

F. Appraisal of Properties Valued Under the Unit Method of Appraisal.

1. No adjustments under this rule shall be made to the income indicator of value for a project under construction that is owned by a cost-regulated utility when the project is allowed in rate base.

2. The full cash value of a project under construction as of January 1 of the tax year, shall be determined by adjusting the cost and income approaches as follows:

a) Adjustments to reflect the time value of money in appraising construction work in progress valued under the cost and income approaches shall be made for each approach as follows:

(1) Each company shall report the expected completion dates and costs of the projects. A project expected to be completed during the tax year for which the valuation is being determined shall be considered completed on January 1 or July

1, whichever is closest to the expected completion date. The Tax Commission shall determine the expected completion date for any project whose completion is scheduled during a tax year subsequent to the tax year for which the valuation is being made.

(2) If requested by the company, the value of allocable preconstruction costs determined in D. shall then be subtracted from the total cost of each project. The resulting sum shall be referred to as the adjusted cost value of the project.

(3) The adjusted cost value for each of the future years prior to functional completion shall be discounted to reflect the present value of the project under construction. The discount rate shall be determined under C.

(4) The discounted adjusted cost value shall then be added to the values determined under the income approach and cost approach.

b) No adjustment will be made to reflect the time value of money for a project valued under the stock and debt approach to value.

G. This rule shall take effect for the tax year 1985.

R884-24P-24. Form for Notice of Property Valuation and Tax Changes Pursuant to Utah Code Ann. Sections 59-2-918 through 59-2-924.

A. The county auditor must notify all real property owners of property valuation and tax changes on the Notice of Property Valuation and Tax Changes form.

1. If a county desires to use a modified version of the Notice of Property Valuation and Tax Changes, a copy of the proposed modification must be submitted for approval to the Property Tax Division of the Tax Commission no later than March 1.

a) Within 15 days of receipt, the Property Tax Division will issue a written decision, including justifications, on the use of the modified Notice of Property Valuation and Tax changes.

b) If a county is not satisfied with the decision, it may petition for a hearing before the Tax Commission as provided in R861-1A-22.

2. The Notice of Property Valuation and Tax Changes, however modified, must contain the same information as the unmodified version. A property description may be included at the option of the county.

B. The Notice of Property Valuation and Tax Changes must be completed by the county auditor in its entirety, except in the following circumstances:

1. New property is created by a new legal description; or

2. The status of the improvements on the property has changed.

3. In instances where partial completion is allowed, the term nonapplicable will be entered in the appropriate sections of the Notice of Property Valuation and Tax Changes.

4. If the county auditor determines that conditions other than those outlined in this section merit deletion, the auditor may enter the term "nonapplicable" in appropriate sections of the Notice of Property Valuation and Tax Changes only after receiving approval from the Property Tax Division in the manner described in A.

C. Real estate assessed under the Farmland Assessment Act of 1969 must be reported at full market value, with the value based upon Farmland Assessment Act rates shown parenthetically.

D. All completion dates specified for the disclosure of property tax information must be strictly observed.

1. Requests for deviation from the statutory completion dates must be submitted in writing on or before June 1, and receive the approval of the Property Tax Division in the manner described in A.

E. If the proposed rate exceeds the certified rate, jurisdictions in which the fiscal year is the calendar year are required to hold public hearings even if budget hearings have already been held for that fiscal year.

F. If the cost of public notice required under Sections 59-2-918 and 59-2-919 is greater than one percent of the property tax revenues to be received, an entity may combine its advertisement with other entities, or use direct mail notification.

G. Calculation of the amount and percentage increase in property tax revenues required by Sections 59-2-918 and 59-2-919, shall be computed by comparing property taxes levied for the current year with property taxes collected the prior year, without adjusting for revenues attributable to new growth.

H. If a taxing district has not completed the tax rate setting process as prescribed in Sections 59-2-919 and 59-2-920 by August 17, the county auditor must seek approval from the Tax Commission to use the certified rate in calculating taxes levied.

I. The value of property subject to the uniform fee under Section 59-2-405 is excluded from taxable value for purposes of calculating new growth, the certified tax rate, and the proposed tax rate.

J. The value and taxes of property subject to the uniform fee under Section 59-2-405, as well as tax increment distributions and related taxable values of redevelopment agencies, are excluded when calculating the percentage of property taxes collected as provided in Section 59-2-913.

K. The following formulas and definitions shall be used in determining new growth:

1. Actual new growth shall be computed as follows:

a) the taxable value for the current year adjusted for redevelopment minus year-end taxable value for the previous year adjusted for redevelopment; then

b) plus or minus changes in value as a result of factoring; then

c) plus or minus changes in value as a result of reappraisal; then

d) plus or minus any change in value resulting from a legislative mandate or court order.

2. Net annexation value is the taxable value for the current year adjusted for redevelopment of all properties annexed into an entity during the previous calendar year minus the taxable value for the previous year adjusted for redevelopment for all properties annexed out of the entity during the previous calendar year.

3. New growth is equal to zero for an entity with:

a) an actual new growth value less than zero; and

b) a net annexation value greater than or equal to zero.

4. New growth is equal to actual new growth for:

a) an entity with an actual new growth value greater than or equal to zero; or

b) an entity with:

i) an actual new growth value less than zero; and

ii) the actual new growth value is greater than or equal to the net annexation value.

5. New growth is equal to the net annexation value for an entity with:

a) a net annexation value less than zero; and

b) the actual new growth value is less than the net annexation value.

6. Adjusted new growth equals new growth multiplied by the mean collection rate for the previous five years.

L. The following definitions and formulas shall be used in determining the certified tax rate:

1. Current year adjusted taxable value equals the taxable value for the current year adjusted for redevelopment; then

a) adjusted for estimated value losses due to appeals, using an average percentage loss for the past three years; then

b) adjusted for estimated collection losses.

2. The certified tax rate shall be computed as follows:

a) Last year's taxes collected, excluding redemptions, penalties, interest, roll-back taxes, and other miscellaneous collections.

b) Divided by the sum of the current year adjusted taxable value less adjusted new growth.

3. Entities required to set levies for more than one fund must compute an aggregate certified rate. The aggregate certified rate is the sum of the certified rates for individual funds for which separate levies are required by law. The aggregate certified rate computation applies where:

a) the valuation bases for the funds are contained within identical geographic boundaries; and

b) the funds are under the levy and budget setting authority of the same governmental entity.

4. Exceptions to L.3. are the county assessing and collecting levy, as described in Section 59-2-906.1(3), and the additional levies for property valuation and reappraisal, as described in Section 59-2-906.3.

a) These levies may not be included as part of a county's aggregate certified rate. Instead, they must be segregated into a separate aggregate certified rate.

b) The separate aggregate certified rate representing these levies is subject to the proposed tax increase requirements of Sections 59-2-918 and 59-2-919.

M. For purposes of determining the certified tax rate of a municipality incorporated on or after July 1, 1996, the levy imposed for municipal-type services or general county purposes shall be the certified tax rate for municipal-type services or general county purposes, as applicable.

N. No new entity, including a new city, may have a certified tax rate or levy a tax for any particular year unless that entity existed on the first day of that calendar year.

R884-24P-26. Requirements of the Farmland Assessment Act of 1969 Pursuant to Utah Code Ann. Sections 59-2-501 through 59-2-515.

A. A parcel of land less than five acres in size may qualify for assessment under the provisions of the Farmland Assessment Act (FAA) if it:

1. has ownership identical to and is used in conjunction with a qualifying parcel of five or more acres;

2. is in close proximity to the primary farm;

3. has a direct relationship to the total agricultural enterprise;

4. makes a significant contribution to the enterprise's total production; and

5. meets all other requirements set forth in Section 59-2-503.

B. FAA application forms shall provide for reporting of the current serial number, legal description, ownership, and all other pertinent information of the subject properties.

1. The assessor shall maintain all FAA records in the assessor's office. These records shall include the original year of application and clearly indicate the number of years these properties have been assessed and taxed under the FAA.

2. All parcels assessed and taxed under the provisions of the FAA shall be so designated on the assessment roll.

3. All FAA applications, including those resulting from changes in ownership, legal description, additions, or deletions, must be recorded.

C. For FAA purposes, a property may be considered contiguous even though it is severed by a public highway, unimproved road, fence, canal, or waterway.

D. Upon withdrawal or change in use of a parcel assessed under the provisions of the FAA, the assessor shall immediately calculate the amount of the roll-back tax due and the county shall bill the roll-back tax due.

1. The amount of the lien shall be shown on the recorded roll-back statement.

2. If the roll-back tax is not paid to the county treasurer within 30 days after billing, the county treasurer shall proceed to collect the amount due.

3. If, after a period of being exempt, the property is used for a purpose that does not qualify for assessment under the FAA, the roll-back provisions of FAA shall apply to the time the property was under the provisions of the FAA, up to a maximum of five years, less the number of years that the property was exempt.

E. Land that becomes ineligible for farmland assessment solely as a result of amendments to Sections 59-2-501 through 59-2-515 is not subject to the roll-back tax if the owner of that land notifies the county assessor of the land's ineligibility for farmland assessment on or before January 1, 1994.

F. Applications for assessment and taxation under the FAA may be made only by the owner of farm property. A lessee or purchaser of any parcel may arrange with the owner to farm such land, but the lessee or purchaser may not make application for farmland assessment in the lessee's or purchaser's name.

G. A leased parcel may be assessed under the FAA if it meets all of the eligibility requirements set forth in Section 59-2-503.

H. All applications for assessment under the provisions of the FAA shall be accompanied by documentation verifying the agricultural production of the property for the two years immediately preceding the year of application. The county assessor or the commission may request any additional information needed to determine eligibility under Section 59-2-503.

R884-24P-27. Standards for Assessment Level and

Uniformity of Performance Pursuant to Utah Code Ann. Sections 59-2-704 and 59-2-704.5.

A. Definitions.

1. "Coefficient of dispersion (COD)" means the average deviation of a group of assessment ratios taken around the median and expressed as a percent of that measure.

2. "Coefficient of variation (COV)" means the standard deviation expressed as a percentage of the mean.

3. "Division" means the Property Tax Division of the State Tax Commission.

4. "Nonparametric" means data samples that are not normally distributed.

5. "Parametric" means data samples that are normally distributed.

6. "Urban counties" means counties classified as first or second class counties pursuant to Section 17-50-501.

B. The Tax Commission adopts the following standards of assessment performance.

1. For assessment level in each property class, subclass, and geographical area in each county, the measure of central tendency shall meet one of the following measures.

a) The measure of central tendency shall be within 10 percent of the legal level of assessment.

b) The 95 percent confidence interval of the measure of central tendency shall contain the legal level of assessment.

2. For uniformity of the property being appraised under the cyclical appraisal plan for the current year, the measure of dispersion shall be within the following limits.

a) In urban counties:

(1) a COD of 15 percent or less for primary residential and commercial property, and 20 percent or less for vacant land and secondary residential property; and

(2) a COV of 19 percent or less for primary residential and commercial property, and 25 percent or less for vacant land and secondary residential property.

b) In rural counties:

(1) a COD of 20 percent or less for primary residential and commercial property, and 25 percent or less for vacant land and secondary residential property; and

(2) a COV of 25 percent or less for primary residential and commercial property, and 31 percent or less for vacant land and secondary residential property.

3. Statistical measures.

a) The measure of central tendency shall be the mean for parametric samples and the median for nonparametric samples.

b) The measure of dispersion shall be the COV for parametric samples and the COD for nonparametric samples.

c) To achieve statistical accuracy in determining assessment level under B.1. and uniformity under B.2. for any property class, subclass, or geographical area, the minimum sample size shall consist of 10 or more ratios.

C. Each year the Division shall conduct and publish an assessment-to-sale ratio study to determine if each county complies with the standards in B.

1. To meet the minimum sample size, the study period may be extended.

2. A smaller sample size may be used if:

a) that sample size is at least 10 percent of the class or subclass population; or

b) both the Division and the county agree that the sample may produce statistics that imply corrective action appropriate to the class or subclass of property.

3. If the Division, after consultation with the counties, determines that the sample size does not produce reliable statistical data, an alternate performance evaluation may be conducted, which may result in corrective action. The alternate performance evaluation shall include review and analysis of the following:

a) the county's procedures for collection and use of market data, including sales, income, rental, expense, vacancy rates, and capitalization rates;

b) the county-wide land, residential, and commercial valuation guidelines and their associated procedures for maintaining current market values;

c) the accuracy and uniformity of the county's individual property data through a field audit of randomly selected properties; and

d) the county's level of personnel training, ratio of appraisers to parcels, level of funding, and other workload and resource considerations.

4. All input to the sample used to measure performance shall be completed by March 31 of each study year.

5. The Division shall conduct a preliminary annual assessment-to-sale ratio study by April 30 of the study year, allowing counties to apply adjustments to their tax roll prior to the May 22 deadline.

6. The Division shall complete the final study immediately following the closing of the tax roll on May 22.

D. The Division shall order corrective action if the results of the final study do not meet the standards set forth in B.

1. Assessment level adjustments, or factor orders, shall be calculated by dividing the legal level of assessment by one of the following:

a) the measure of central tendency, if the uniformity of the ratios meets the standards outlined in B.2.; or

b) the 95 percent confidence interval limit nearest the legal level of assessment, if the uniformity of the ratios does not meet the standards outlined in B.2.

2. Uniformity adjustments, or reappraisal orders, shall only apply to the property being appraised under the cyclical appraisal plan for the current year. A reappraisal order shall be issued if the property fails to meet the standards outlined in B.2. Prior to implementation of reappraisal orders, counties shall submit a preliminary report to the Division that includes the following:

a) an evaluation of why the standards of uniformity outlined in B.2. were not met; and

b) a plan for completion of the reappraisal that is approved by the Division.

3. A corrective action order may contain language requiring a county to create, modify, or follow its cyclical appraisal plan.

4. All corrective action orders shall be issued by June 10 of the study year.

E. The Tax Commission adopts the following procedures to insure compliance and facilitate implementation of ordered corrective action.

1. Prior to the filing of an appeal, the Division shall retain

authority to correct errors and, with agreement of the affected county, issue amended orders or stipulate with the affected county to any appropriate alternative action without Tax Commission approval. Any stipulation by the Division subsequent to an appeal is subject to Tax Commission approval.

2. A county receiving a corrective action order resulting from this rule may file and appeal with the Tax Commission pursuant to Tax Commission rule R861-1A-11.

3. A corrective action order will become the final Tax Commission order if the county does not appeal in a timely manner, or does not prevail in the appeals process.

4. The Division may assist local jurisdictions to ensure implementation of any corrective action orders by the following deadlines.

a) Factor orders shall be implemented in the current study year prior to the mailing of valuation notices.

b) Other corrective action, including reappraisal orders, shall be implemented prior to May 22 of the year following the study year. The preliminary report referred to in D.2. shall be completed by November 30 of the current study year.

5. The Division shall complete audits to determine compliance with corrective action orders as soon after the deadlines set forth in E.4. as practical. The Division shall review the results of the compliance audit with the county and make any necessary adjustments to the compliance audit within 15 days of initiating the audit. These adjustments shall be limited to the analysis performed during the compliance audit and may not include review of the data used to arrive at the underlying factor order. After any adjustments, the compliance audit will then be given to the Tax Commission for any necessary action.

6. The county shall be informed of any adjustment required as a result of the compliance audit.

R884-24P-28. Reporting Requirements For Leased or Rented Personal Property, Pursuant to Utah Code Ann. Section 59-2-306.

A. The procedure set forth herein is required in reporting heavy equipment leased or rented during the tax year.

1. On forms or diskette provided by the Tax Commission, the owner of leased or rented heavy equipment shall file semi-annual reports with the Tax Commission for the periods January 1 through June 30, and July 1 through December 31 of each year. The reports shall contain the following information:

a) a description of the leased or rented equipment;

b) the year of manufacture and acquistion cost;

c) a listing, by month, of the counties where the equipment has situs; and

d) any other information required.

2. For purposes of this rule, situs is established when leased or rented equipment is kept in an area for thirty days. Once situs is established, any portion of thirty days during which that equipment stays in that area shall be counted as a full month of situs. In no case may situs exceed twelve months for any year.

3. The completed report shall be submitted to the Property Tax Division of the Tax Commission within thirty days after each reporting period.

a) Noncompliance will require accelerated reporting.

R884-24P-29. Taxable Household Furnishings Pursuant to Utah Code Ann. Section 59-2-1113.

A. Household furnishings, furniture, and equipment are subject to property taxation if:

1. the owner of the abode commonly receives legal consideration for its use, whether in the form of rent, exchange, or lease payments; or

2. the abode is held out as available for the rent, lease, or use by others.

R884-24P-32. Leasehold Improvements Pursuant to Utah Code Ann. Section 59-2-303.

A. The value of leasehold improvements shall be included in the value of the underlying real property and assessed to the owner of the underlying real property.

B. The combined valuation of leasehold improvements and underlying real property required in A. shall satisfy the requirements of Section 59-2-103(1).

C. The provisions of this rule shall not apply if the underlying real property is owned by an entity exempt from tax under Section 59-2-1101.

D. The provisions of this rule shall be implemented and become binding on taxpayers beginning January 1, 2000.

R884-24P-33. 2002 Personal Property Valuation Guides and Schedules Pursuant to Utah Code Ann. Section 59-2-301.

A. Definitions.

1. "Acquisition cost" means all costs required to put an item into service, including purchase price, freight and shipping costs; installation, engineering, erection or assembly costs; and excise and sales taxes.

a) Indirect costs such as debugging, licensing fees and permits, insurance or security are not included in the acquisition cost.

b) Acquisition cost may correspond to the cost new for new property, or cost used for used property.

2. "Actual cost" includes the value of components necessary to complete the vehicle, such as tanks, mixers, special containers, passenger compartments, special axles, installation, engineering, erection, or assembly costs.

a) Actual cost does not include sales or excise taxes, maintenance contracts, registration and license fees, dealer charges, tire tax, freight, or shipping costs.

3. "Cost new" means the actual cost of the property when purchased new. Except as otherwise provided in this rule, the Tax Commission and assessors shall rely on the following sources to determine cost new:

a) documented actual cost of the new or used vehicle; or

b) recognized publications that provide a method for approximating cost new for new or used vehicles.

4. "Percent good" means an estimate of value, expressed as a percentage, based on a property's acquisition cost or cost new, adjusted for depreciation and appreciation of all kinds.

a) The percent good factor is applied against the acquisition cost or the cost new to derive taxable value for the property.

b) Percent good schedules are derived from an analysis of the Internal Revenue Service Class Life, the Marshall and Swift Cost index, other data sources or research, and vehicle valuation

guides such as NADA.

B. Each year the Property Tax Division shall update and publish percent good schedules for use in computing personal property valuation.

1. Proposed schedules shall be transmitted to county assessors and interested parties for comment before adoption.

2. A public comment period will be scheduled each year and a public hearing will be scheduled if requested by ten or more interested parties or at the discretion of the Commission.

3. County assessors may deviate from the schedules when warranted by specific conditions affecting an item of personal property. When a deviation will affect an entire class or type of personal property, a written report, substantiating the changes with verifiable data, must be presented to the Commission. Alternative schedules may not be used without prior written approval of the Commission.

C. Other taxable personal property that is not included in the listed classes includes:

1. Supplies on hand as of January 1 at 12:00 noon, including office supplies, shipping supplies, maintenance supplies, replacement parts, lubricating oils, fuel and consumable items not held for sale in the ordinary course of business. Supplies are assessed at total cost, including freight-in.

2. Equipment leased or rented from inventory is subject to ad valorem tax. Refer to the appropriate property class schedule to determine taxable value.

3. Property held for rent or lease is taxable, and is not exempt as inventory. For entities primarily engaged in rent-to-own, inventory on hand at January 1 is exempt and property out on rent-to-own contracts is taxable.

D. Personal property valuation schedules may not be appealed to, or amended by, county boards of equalization.

E. All taxable personal property is classified by expected economic life as follows:

1. Class 1 - Short Life Property. Property in this class has a typical life of more than one year and less than four years. It is fungible in that it is difficult to determine the age of an item retired from service.

a) Examples of property in the class include:

(1) barricades/warning signs;

(2) library materials;

(3) patterns, jigs and dies;

(4) pots, pans, and utensils;

(5) canned computer software;

(6) hotel linen;

(7) wood and pallets;

(8) video tapes, compact discs, and DVDs; and

(9) uniforms.

b) With the exception of video tapes, compact discs, and DVDs, taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

c) A licensee of canned computer software shall use one of the following substitutes for acquisition cost of canned computer software if no acquisition cost for the canned computer software is stated:

(1) retail price of the canned computer software;

(2) if a retail price is unavailable, and the license is a nonrenewable single year license agreement, the total sum of expected payments during that 12-month period; or

(3) if the licensing agreement is a renewable agreement or is a multiple year agreement, the present value of all expected licensing fees paid pursuant to the agreement.

d) Video tapes, compact discs, and DVDs are valued at $15.00 per tape or disc for the first year and $3.00 per tape or disc thereafter.

TABLE 1

Year of Acquisition	Percent Good of Acquisition Cost
01	70%
00	40%
99 and prior	10%

2. Class 2 - Computer Integrated Machinery.

a) Machinery shall be classified as computer integrated machinery if all of the following conditions are met:

(1) The equipment is sold as a single unit. If the invoice breaks out the computer separately from the machine, the computer must be valued as Class 12 property and the machine as Class 8 property.

(2) The machine cannot operate without the computer and the computer cannot perform functions outside the machine.

(3) The machine can perform multiple functions and is controlled by a programmable central processing unit.

(4) The total cost of the machine and computer combined is depreciated as a unit for income tax purposes.

(5) The capabilities of the machine cannot be expanded by substituting a more complex computer for the original.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 2

Year of Acquisition	Percent Good of Acquisition Cost
01	87%
00	72%
99	60%
98	51%
97	44%
96	35%
95	26%
94 and prior	17%

3. Class 3 - Short Life Trade Fixtures. Property in this class generally consists of electronic types of equipment and includes property subject to rapid functional and economic obsolescence or severe wear and tear.

a) Examples of property in this class include:

(1) office machines;

(2) alarm systems;

(3) shopping carts;

(4) ATM machines;

(5) small equipment rentals;

(6) rent-to-own merchandise;

(7) telephone equipment and systems;

(8) music systems;

(9) vending machines;

(10) video game machines; and

(11) cash registers and point of sale equipment.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 3

Year of Acquisition	Percent Good of Acquisition Cost
01	83%
00	67%
99	51%
98	34%
97 and prior	17%

4. Class 5 - Long Life Trade Fixtures. Class 5 property is subject to functional obsolescence in the form of style changes.

a) Examples of property in this class include:

(1) furniture;

(2) bars and sinks:

(3) booths, tables and chairs;

(4) beauty and barber shop fixtures;

(5) cabinets and shelves;

(6) displays, cases and racks;

(7) office furniture;

(8) theater seats;

(9) water slides; and

(10) signs, mechanical and electrical.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 5

Year of Acquisition	Percent Good of Acquisition Cost
01	90%
00	81%
99	72%
98	62%
97	52%
96	42%
95	33%
94	22%
93 and prior	12%

5. Class 6 - Heavy and Medium Duty Trucks.

a) Examples of property in this class include:

(1) heavy duty trucks; and

(2) medium duty trucks.

b) Taxable value is calculated by applying the percent good factor against the cost new.

c) Cost new of vehicles in this class is defined as follows:

(1) the documented actual cost of the vehicle for new vehicles;

(2) 75 percent of the manufacturer's suggested retail price; or

(3) for vehicles purchased used, the taxing authority may determine cost new by dividing the vehicle's actual cost by the percent good factor.

d) For state assessed vehicles, cost new shall include the value of attached equipment.

e) The 2002 percent good applies to 2002 models purchased in 2001.

f) Trucks weighing two tons or more have a residual taxable value of $1,750.

TABLE 6

Model Year	Percent Good of Cost New
02	90%
01	68%
00	63%
99	58%
98	53%
97	48%
96	44%
95	39%
94	34%
93	29%
92	24%
91	19%
90	14%
89 and prior	10%

6. Class 7 - Medical and Dental Equipment. Class 7 property is subject to a high degree of technological development by the health industry.

a) Examples of property in this class include:

(1) medical and dental equipment and instruments;

(2) exam tables and chairs;

(3) high-tech hospital equipment;

(4) microscopes; and

(5) optical equipment.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 7

Year of Acquisition	Percent Good of Acquisition Cost
01	91%
00	84%
99	77%
98	68%
97	61%
96	53%
95	45%
94	37%
93	29%
92	19%
91 and prior	10%

7. Class 8 - Machinery and Equipment. Property in this class is subject to considerable functional and economic obsolescence created by competition as technologically advanced and more efficient equipment becomes available.

a) Examples of property in this class include:

(1) manufacturing machinery;

(2) amusement rides;

(3) bakery equipment;

(4) distillery equipment;

(5) refrigeration equipment;

(6) laundry and dry cleaning equipment;

(7) machine shop equipment;

(8) processing equipment;

(9) auto service and repair equipment;

(10) mining equipment;

(11) ski lift machinery;

(12) printing equipment;

(13) bottling or cannery equipment; and

(14) packaging equipment.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 8

Year of Acquisition	Percent Good of Acquisition Cost
01	91%
00	84%

99	77%
98	68%
97	61%
96	53%
95	45%
94	37%
93	29%
92	19%
91 and prior	10%

8. Class 9 - Off-Highway Vehicles.

a) Examples of property in this class include:

(1) dirt and trail motorcycles;

(2) all terrain vehicles;

(3) golf carts; and

(4) snowmobiles.

b) Taxable value is calculated by applying the percent good factor against the cost new.

c) The 2002 percent good applies to 2002 models purchased in 2001.

d) Off-Highway Vehicles have a residual taxable value of $500.

TABLE 9

Model Year	Percent Good of Cost New
02	90%
01	59%
00	56%
99	53%
98	49%
97	46%
96	42%
95	39%
94	36%
93	32%
92	29%
91	25%
90	22%
89 and prior	19%

9. Class 10 - Railroad Cars. The Class 10 schedule was developed to value the property of railroad car companies. Functional and economic obsolescence is recognized in the developing technology of the shipping industry. Heavy wear and tear is also a factor in valuing this class of property.

a) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 10

Year of Acquisition	Percent Good of Acquisition Cost
01	93%
00	88%
99	82%
98	75%
97	69%
96	63%
95	58%
94	52%
93	46%
92	39%
91	31%
90	24%
89	16%
88 and prior	9%

10. Class 11 - Street Motorcycles.

a) Examples of property in this class include:

(1) street motorcycles;

(2) scooters; and

(3) mopeds.

b) Taxable value is calculated by applying the percent good factor against the cost new.

c) The 2002 percent good applies to 2002 models purchased in 2001.

d) Street motorcycles have a residual taxable value of $500.

TABLE 11

Model Year	Percent Good of Cost New
02	90%
01	63%
00	61%
99	59%
98	57%
97	54%
96	52%
95	50%
94	48%
93	46%
92	44%
91	42%
90	40%
89	37%
88	35%
87	33%
86	31%
85 and prior	29%

11. Class 12 - Computer Hardware.

a) Examples of property in this class include:

(1) data processing equipment;

(2) personal computers;

(3) main frame computers;

(4) computer equipment peripherals; and

(5) cad/cam systems.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 12

Year of Acquisition	Percent Good of Acquisition Cost
01	85%
00	58%
99	37%
98	24%
97	15%
96 and prior	9%

12. Class 13 - Heavy Equipment.

a) Examples of property in this class include:

(1) construction equipment;

(2) excavation equipment;

(3) loaders;

(4) batch plants;

(5) snow cats; and

(6) pavement sweepers.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

c) 2002 model equipment purchased in 2001 is valued at 100 percent of acquisition cost.

TABLE 13

Year of Acquisition	Percent Good of Acquisition Cost

01	64%
00	61%
99	57%
98	54%
97	50%
96	47%
95	43%
94	40%
93	36%
92	33%
91	30%
90	26%
89	23%
88 and prior	19%

13. Class 14 - Motor Homes.

a) Taxable value is calculated by applying the percent good against the cost new.

b) The 2002 percent good applies to 2002 models purchased in 2001.

TABLE 14

Model Year	Percent Good of Cost New
02	90%
01	67%
00	64%
99	61%
98	58%
97	55%
96	52%
95	49%
94	46%
93	43%
92	40%
91	37%
90	34%
89	31%
88	27%
87	24%
86 and prior	21%

14. Class 15 - Semiconductor Manufacturing Equipment. Class 15 applies only to equipment used in the production of semiconductor products.

a) Examples of property in this class include:

(1) crystal growing equipment;

(2) die assembly equipment;

(3) wire bonding equipment;

(4) encapsulation equipment;

(5) semiconductor test equipment;

(6) clean room equipment;

(7) chemical and gas systems related to semiconductor manufacturing;

(8) deionized water systems;

(9) electrical systems; and

(10) photo mask and wafer manufacturing dedicated to semiconductor production.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 15

Year of Acquisition	Percent Good of Acquisition Cost
01	74%
00	54%
99	38%
98	24%
97 and prior	10%

15. Class 16 - Long-Life Property. Class 16 property has a long physical life with little obsolescence.

a) Examples of property in this class include:

(1) billboards;

(2) sign towers;

(3) radio towers;

(4) ski lift and tram towers;

(5) non-farm grain elevators; and

(6) bulk storage tanks.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 16

Year of Acquisition	Percent Good of Acquisition Cost
01	95%
00	91%
99	87%
98	82%
97	78%
96	74%
95	70%
94	67%
93	63%
92	58%
91	53%
90	48%
89	43%
88	39%
87	34%
86	27%
85	21%
84	14%
83 and prior	7%

16. Class 17 - Boats.

a) Examples of property in this class include:

(1) boats; and

(2) boat motors.

b) Taxable value is calculated by applying the percent good factor against the cost new of the property.

c) The Tax Commission and assessors shall rely on the following sources to determine cost new for property in this class:

(1) the following publications or valuation methods:

(a) the manufacturer's suggested retail price listed in the ABOS Marine Blue Book;

(b) for property not listed in the ABOS Marine Blue Book but listed in the NADA Marine Appraisal Guide, the NADA average value for the property divided by the percent good factor; or

(c) for property not listed in the ABOS Marine Blue Book or the NADA Appraisal Guide:

i) the manufacturer's suggested retail price for comparable property; or

ii) the cost new established for that property by a documented valuation source; or

(2) the documented actual cost of new or used property in this class.

d) The 2002 percent good applies to 2002 models purchased in 2001.

e) Boats have a residual taxable value of $500.

TABLE 17

Model Year	Percent Good of Cost New

02	90%
01	69%
00	67%
99	65%
98	63%
97	60%
96	58%
95	56%
94	54%
93	51%
92	49%
91	47%
90	45%
89	42%
88	40%
87	38%
86	36%
85	33%
84	31%
83	29%
82 and prior	27%

17. Class 18 - Travel Trailers/Truck Campers.

a) Examples of property in this class include:

(1) travel trailers;

(2) truck campers; and

(3) tent trailers.

b) Taxable value is calculated by applying the percent good factor against the cost new.

c) The 2002 percent good applies to 2002 models purchased in 2001.

d) Trailers and truck campers have a residual taxable value of $500.

TABLE 18

Model Year	Percent Good of Cost New
02	90%
01	66%
00	63%
99	60%
98	57%
97	54%
96	51%
95	48%
94	46%
93	43%
92	40%
91	37%
90	34%
89	31%
88	28%
87	25%
86 and prior	22%

18. Class 20 - Petroleum and Natural Gas Exploration and Production Equipment. Class 20 property is subject to significant functional and economic obsolescence due to the volatile nature of the petroleum industry.

a) Examples of property in this class include:

(1) oil and gas exploration equipment;

(2) distillation equipment;

(3) wellhead assemblies;

(4) holding and storage facilities;

(5) drill rigs;

(6) reinjection equipment;

(7) metering devices;

(8) cracking equipment;

(9) well-site generators, transformers, and power lines;

(10) equipment sheds;

(11) pumps;

(12) radio telemetry units; and

(13) support and control equipment.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 20

Year of Acquisition	Percent Good of Acquisition Cost
01	92%
00	87%
99	80%
98	73%
97	67%
96	61%
95	55%
94	48%
93	41%
92	33%
91	25%
90	17%
89 and prior	9%

19. Class 21 - Commercial and Utility Trailers.

a) Examples of property in this class include:

(1) commercial trailers;

(2) utility trailers;

(3) cargo utility trailers;

(4) boat trailers;

(5) converter gears;

(6) horse and stock trailers; and

(7) all trailers not included in Class 18.

b) Taxable value is calculated by applying the percent good factor against the cost new of the property. For state assessed vehicles, cost new shall include the value of attached equipment.

c) The 2002 percent good applies to 2002 models purchased in 2001.

d) Commercial and utility trailers have a residual taxable value of $500.

TABLE 21

Model Year	Percent Good of Cost New
02	95%
01	53%
00	51%
99	49%
98	46%
97	44%
96	42%
95	39%
94	37%
93	35%
92	33%
91	30%
90	28%
89	26%
88	23%
87	21%
86 and prior	19%

20. Class 22 - Passenger Cars, Light Trucks/Utility Vehicles, and Vans.

a) Class 22 vehicles fall within four subcategories: domestic passenger cars, foreign passenger cars, light trucks, including utility vehicles, and vans.

b) Because Section 59-2-405.1 subjects Class 22 property to an age-based uniform fee, a percent good schedule is not

necessary for this class.

21. Class 23 - Aircraft Subject to the Aircraft Uniform Fee and Not Listed in the Aircraft Bluebook Price Digest.

a) Examples of property in this class include:

(1) kit-built aircraft;

(2) experimental aircraft;

(3) gliders;

(4) hot air balloons; and

(5) any other aircraft requiring FAA registration.

b) Aircraft subject to the aircraft uniform fee, but not listed in the Aircraft Bluebook Price Digest, are valued by applying the percent good factor against the acquisition cost of the aircraft.

c) Aircraft requiring Federal Aviation Agency registration and kept in Utah must be registered with the Motor Vehicle Division of the Tax Commission.

TABLE 23

Year of Acquisition	Percent Good of Acquisition Cost
01	75%
00	71%
99	67%
98	63%
97	59%
96	55%
95	51%
94	47%
93	43%
92	39%
91	35%
90 and prior	31%

22. Class 24 - Leasehold Improvements.

a) This class includes leasehold improvements to real property installed by a tenant. The Class 24 schedule is to be used only with leasehold improvements that are assessed to the lessee of the real property pursuant to Tax Commission rule R884-24P-32. Leasehold improvements include:

(1) walls and partitions;

(2) plumbing and roughed-in fixtures;

(3) floor coverings other than carpet;

(4) store fronts;

(5) decoration;

(6) wiring;

(7) suspended or acoustical ceilings;

(8) heating and cooling systems; and

(9) iron or millwork trim.

b) Taxable value is calculated by applying the percent good factor against the cost of acquisition, including installation.

c) The Class 3 schedule is used to value short life leasehold improvements.

TABLE 24

Year of Installation	Percent of Installation Cost
01	94%
00	88%
99	82%
98	77%
97	71%
96	65%
95	59%
94	54%
93	48%
92	42%
91	36%
90 and prior	30%

23. Class 25 - Aircraft Parts Manufacturing Tools and Dies. Property in this class is generally subject to rapid physical, functional, and economic obsolescence due to rapid technological and economic shifts in the airline parts manufacturing industry. Heavy wear and tear is also a factor in valuing this class of property.

a) Examples of property in this class include:

(1) aircraft parts manufacturing jigs and dies;

(2) aircraft parts manufacturing molds;

(3) aircraft parts manufacturing patterns;

(4) aircraft parts manufacturing taps and gauges;

(5) aircraft parts manufacturing test equipment; and

(6) aircraft parts manufacturing fixtures.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 25

Year of Acquisition	Percent Good of Acquisition Cost
01	83%
00	68%
99	52%
98	35%
97	19%
96 and prior	4%

24. Class 26 - Personal Watercraft.

a) Examples of property in this class include:

(1) motorized personal watercraft; and

(2) jet skis.

b) Taxable value is calculated by applying the percent good factor against the cost new.

c) The 2002 percent good applies to 2002 models purchased in 2001.

d) Personal watercraft have a residual taxable value of $500.

TABLE 26

Model Year	Percent Good of Cost New
02	90%
01	63%
00	59%
99	55%
98	51%
97	48%
96	44%
95	40%
94	36%
93	32%
92	28%
91	24%
90	20%
89 and prior	17%

25. Class 27 - Electrical Power Generating Equipment and Fixtures

a) Examples of property in this class include:

(1) electrical power generators; and

(2) control equipment.

b) Taxable value is calculated by applying the percent good factor against the acquisition cost of the property.

TABLE 27

Year of Acquisition	Percent Good of Acquisition Cost
01	97%
00	95%
99	92%
98	90%
97	87%
96	84%
95	82%
94	79%
93	77%
92	74%
91	71%
90	69%
89	66%
88	64%
87	61%
86	58%
85	56%
84	53%
83	51%
82	48%
81	45%
80	43%
79	40%
78	38%
77	35%
76	32%
75	30%
74	27%
73	25%
72	22%
71	19%
70	17%
69	14%
68	12%
67 and prior	9%

F. The provisions of this rule shall be implemented and become binding on taxpayers beginning January 1, 2002.

R884-24P-34. Use of Sales or Appraisal Information Gathered in Conjunction With Assessment/Sales Ratio Studies Pursuant to Utah Code Ann. Section 59-2-704.

A. Market data gathered for purposes of an assessment/sales ratio study may be used for valuation purposes only as part of a systematic reappraisal program whereby all similar properties are given equitable and uniform treatment.

B. Sales or appraisal data gathered in conjunction with a ratio study shall not be used for an isolated reappraisal of the sold or appraised properties.

C. Information derived from ratio studies regarding the values assigned to real property and personal property shall not be used to establish the apportionment between real and personal property in future assessments.

R884-24P-35. Annual Affidavit of Exempt Use Pursuant to Utah Code Ann. Section 59-2-1101.

A. The owner of property receiving a full or partial exemption from property tax based on exclusive use for religious, charitable or educational purposes, is required to file the annual affidavit prescribed in Utah Code Ann. Section 59-2-1101.

R884-24P-36. Contents of Real Property Tax Notice Pursuant to Utah Code Ann. Section 59-2-1317.

A. In addition to the information required by Section 59-2-1317, the tax notice for real property shall specify the following:

1. the property identification number;

2. the appraised value of the property and, if applicable, any adjustment for residential exemptions expressed in terms of taxable value;

3. if applicable, tax relief for taxpayers eligible for blind, veteran, or poor abatement or the circuit breaker, which shall be shown as credits to total taxes levied; and

4. itemized tax rate information for each taxing entity and total tax rate.

R884-24P-37. Separate Values of Land and Improvements Pursuant to Utah Code Ann. Sections 59-2-301 and 59-2-305.

A. The county assessor shall maintain an appraisal record of all real property subject to assessment by the county. The record shall include the following information:

1. owner of the property;

2. property identification number;

3. description and location of the property; and

4. full market value of the property.

B. Real property appraisal records shall show separately the value of the land and the value of any improvements.

R884-24P-38. Nonoperating Railroad Properties Pursuant to Utah Code Ann. Section 59-2-201(4).

A. Definitions.

1. "Railroad right of way" (RR-ROW) means a strip of land upon which a railroad company constructs the road bed.

a. RR-ROW within incorporated towns and cities shall consist of 50 feet on each side of the main line main track, branch line main track or main spur track. Variations to the 50-foot standard shall be approved on an individual basis.

b. RR-ROW outside incorporated towns and cities shall consist of the actual right-of-way owned if not in excess of 100 feet on each side of the center line of the main line main track, branch line main track, or main spur track. In cases where unusual conditions exist, such as mountain cuts, fills, etc., and more than 100 feet on either side of the main track is required for ROW and where small parcels of land are otherwise required for ROW purposes, the necessary additional area shall be reported as RR-ROW.

B. Assessment of nonoperating railroad properties. Railroad property formerly assessed by the unitary method which has been determined to be nonoperating, and which is not necessary to the conduct of the business, shall be assessed separately by the local county assessor. For purposes of this rule:

C. Assessment procedures.

1. Properties charged to nonoperating accounts are reviewed by the Property Tax Division, and if taxable, are assessed and placed on the local county assessment rolls separately from the operating properties.

2. RR-ROW is considered as operating and as necessary to the conduct and contributing to the income of the business. Any revenue derived from leasing of property within the RR-ROW is considered as railroad operating revenues.

3. Real property outside of the RR-ROW which is necessary to the conduct of the railroad operation is considered as part of the unitary value. Some examples are: company homes occupied by superintendents and other employees on 24-hour call, storage facilities for railroad operations,

communication facilities, and spur tracks outside of RR-ROW.

4. Abandoned RR-ROW is considered as nonoperating and shall be reported as such by the railroad companies.

5. Real property outside of the RR-ROW which is not necessary to the conduct of the railroad operations is classified as nonoperating and therefore assessed by the local county assessor. Some examples are: land leased to service station operations, grocery stores, apartments, residences, and agricultural uses.

6. RR-ROW obtained by government grant or act of Congress is deemed operating property.

D. Notice of Determination. It is the responsibility of the Property Tax Division to provide a notice of determination to the owner of the railroad property and the assessor of the county where the railroad property is located immediately after such determination of operating or nonoperating status has been made. If there is no appeal to the notice of determination, the Property Tax Division shall notify the assessor of the county where the property is located so the property may be placed on the roll for local assessment.

E. Appeals. Any interested party who wishes to contest the determination of operating or nonoperating property may do so by filing a request for agency action within ten days of the notice of determination of operating or nonoperating properties. Request for agency action may be made pursuant to Utah Code Ann. Title 63, Chapter 46b.

R884-24P-40. Exemption of Parsonages, Rectories, Monasteries, Homes and Residences Pursuant to Utah Code Annotated 59-2-1101(d) and Article XIII, Section 2 of the Utah Constitution.

A. Parsonages, rectories, monasteries, homes and residences if used exclusively for religious purposes, are exempt from property taxes if they meet all of the following requirements:

1. The land and building are owned by a religious organization which has qualified with the Internal Revenue Service as a Section 501(c)(3) organization and which organization continues to meet the requirements of that section.

2. The building is occupied only by persons whose full time efforts are devoted to the religious organization and the immediate families of such persons.

3. The religious organization, and not the individuals who occupy the premises, pay all payments, utilities, insurance, repairs, and all other costs and expenses related to the care and maintenance of the premises and facilities.

B. The exemption for one person and the family of such person is limited to the real estate that is reasonable for the residence of the family and which remains actively devoted exclusively to the religious purposes. The exemption for more than one person, such as a monastery, is limited to that amount of real estate actually devoted exclusively to religious purposes.

C. Vacant land which is not actively used by the religious organization, is not deemed to be devoted exclusively to religious purposes, and is therefore not exempt from property taxes.

1. Vacant land which is held for future development or utilization by the religious organization is not deemed to be devoted exclusively to religious purposes and therefore not tax exempt.

2. Vacant land is tax exempt after construction commences or a building permit is issued for construction of a structure or other improvements used exclusively for religious purposes.

R884-24P-41. Adjustment or Deferral of Property Taxes Pursuant to Utah Code Ann. Section 59-2-1347.

A. Requested adjustments to taxes for past years may not be made under Utah Code Ann. Section 59-2-1347 if the requested adjustment is based only on property valuation.

B. Utah Code Ann. Section 59-2-1347 applies only to taxes levied but unpaid and may not serve as the basis for refunding taxes already paid.

C. Utah Code Ann. Section 59-2-1347 may only be applied to taxes levied for the five most recent tax years except where taxes levied remain unpaid as a result of administrative action or litigation.

R884-24P-42. Farmland Assessment Audits and Personal Property Audits Pursuant to Utah Code Ann. Subsection 59-2-508(2), and Section 59-2-705.

A. The Tax Commission is responsible for auditing the administration of the Farmland Assessment Act to verify proper listing and classification of all properties assessed under the act. The Tax Commission also conducts routine audits of personal property accounts.

1. If an audit reveals an incorrect assignment of property, or an increase or decrease in value, the county assessor shall correct the assessment on the assessment roll and the tax roll.

2. A revised assessment notice or tax notice or both shall be mailed to the taxpayer for the current year and any previous years affected.

3. The appropriate tax rate for each year shall be applied when computing taxes due for previous years.

B. Assessors shall not alter results of an audit without first submitting the changes to the Tax commission for review and approval.

C. The Tax Commission shall review assessor compliance with this rule. Noncompliance may result in an order for corrective action.

R884-24P-44. Farm Machinery and Equipment Exemption Pursuant to Utah Code Ann. Sections 59-2-102 and 59-2-1101.

A. The use of the machinery and equipment, whether by the claimant or a lessee, shall determine the exemption.

1. For purposes of this rule, the term owner includes a purchaser under an installment purchase contract or capitalized lease where ownership passes to the purchaser at the end of the contract without the exercise of an option on behalf of the purchaser or seller.

B. Farm machinery and equipment is used primarily for agricultural purposes if it is used primarily for the production or harvesting of agricultural products.

C. The following machinery and equipment is used primarily for the production or harvesting of agricultural products:

1. Machinery and equipment used on the farm for storage, cooling, or freezing of fruits or vegetables;

2. Except as provided in C.3., machinery and equipment used in fruit or vegetable growing operations if the machinery and equipment does not physically alter the fruit or vegetables; and

3. Machinery and equipment that physically alters the form of fruits or vegetables if the operations performed by the machinery or equipment are reasonable and necessary in the preparation of the fruit or vegetables for wholesale marketing.

D. Machinery and equipment used for processing of agricultural products are not exempt.

R884-24P-47. Uniform Tax on Aircraft Pursuant to Utah Code Ann. Sections 59-2-404, 59-2-1005, 59-2-1302, and 59-2-1303.

A. Registration of aircraft requires payment of a uniform tax in lieu of ad valorem personal property tax. This tax shall be collected by the county assessor at the time of registration at the rate prescribed in Section 59-2-404.

B. The average wholesale market value of the aircraft is the arithmetic mean of the average low wholesale book value and the average high wholesale book value. This average price will be used as the basis for the initial assessment. These amounts are obtained from the fall edition of the Aircraft Bluebook Price Digest in the year preceding the year of registration for all aircraft listed in that publication.

1. The average wholesale market value of aircraft subject to registration but not shown in the Aircraft Bluebook Price Digest will be assessed according to the annual depreciation schedule for aircraft valuation set forth in Tax Commission rule R884-24P-33, "Personal Property Valuation Guides and Schedules."

2. Instructions for interpretation of codes are found inside the Aircraft Bluebook Price Digest.

a) Average low wholesale values are found under the heading "Average equipped per base avg change/invtry."

b) Average high wholesale values are found under the heading "change mktbl."

c) Aircraft values not in accordance with "average" may be adjusted by the assessor following the instructions in the Bluebook. Factors that have the greatest impact on value include: high engine time, air worthiness directives not complied with, status of annual inspection, crash damage, paint condition, and interior condition.

C. The uniform tax is due each year the aircraft is registered in Utah. If the aircraft is sold within the same registration period, no additional uniform tax shall be due. However, the purchaser shall pay any delinquent tax as a condition precedent to registration.

D. If an aircraft is purchased or moved to Utah during the year and newly registered in Utah, the uniform tax shall be prorated based on the number of months remaining in the registration period.

1. Any portion of a month shall be counted as a full month. For example, if registration is required during July, 50 percent of the uniform tax shall be paid as a condition of registration.

2. If the aircraft is moved to Utah during the year, and property tax was paid to another state prior to moving the aircraft into Utah, any property tax paid shall be allowed as a credit against the prorated uniform tax due in Utah.

a) This credit may not be refunded if the other state property tax exceeds the uniform tax due in Utah for the comparable year.

b) Proof of payment shall be submitted before credit is allowed.

E. The uniform tax collected by county assessors shall be distributed to the taxing districts of the county in which the aircraft is located as shown on the registration application. If the aircraft is registered in a county other than the county of the aircraft location, the tax collected shall be forwarded to the appropriate county within five working days.

F. The Tax Commission shall supply registration forms and numbered decals to the county assessors. Forms to assess the uniform tax shall be prepared by the counties each year. The Tax Commission shall maintain an owners' data base and supply the counties with a list of registrations by county after the first year and shall also supply registration renewal forms preprinted with the prior year's registration information.

G. The aircraft owner or person or entity in possession thereof shall immediately provide access to any aircraft hangar or other storage area or facility upon request by the assessor or the assessor's designee in order to permit the determination of the status of registration of the aircraft, and the performance of any other act in furtherance of the assessor's duties.

H. The provisions applicable to securing or collecting personal property taxes set forth in Sections 59-2-1302 and 59-2-1303 shall apply to the collection of delinquent uniform taxes.

I. If the aircraft owner and the county assessor cannot reach agreement concerning the aircraft valuation, the valuation may be appealed to the county board of equalization under Section 59-2-1005.

R884-24P-49. Calculating the Utah Apportioned Value of a Rail Car Fleet Pursuant to Utah Code Ann. Section 59-2-201.

A. Definitions.

1. "Average market value per rail car" means the fleet rail car market value divided by the number of rail cars in the fleet.

2. "Fleet rail car market value" means the sum of:

a)(1) the yearly acquisition costs of the fleet's rail cars;

(2) multiplied by the appropriate percent good factors contained in Class 10 of R884-24P- 33, Personal Property Valuation Guides and Schedules; and

b) the sum of betterments by year.

(1) Except as provided in A.2.b)(2), the sum of betterments by year shall be depreciated on a 14-year straight line method.

(2) Notwithstanding the provisions of A.2.b)(1), betterments shall have a residual value of two percent.

3. "In-service rail cars" means the number of rail cars in the fleet, adjusted for out-of- service rail cars.

4. a) "Out-of-service rail cars" means rail cars:

(1) out-of-service for a period of more than ten consecutive hours; or

(2) in storage.

b) Rail cars cease to be out-of-service once repaired or removed from storage.

c) Out-of-service rail cars do not include rail cars idled for less than ten consecutive hours due to light repairs or routine

maintenance.

5. "System car miles" means both loaded and empty miles accumulated in the U.S., Canada, and Mexico during the prior calendar year by all rail cars in the fleet.

6. "Utah car miles" mean both loaded and empty miles accumulated within Utah during the prior calendar year by all rail cars in the fleet.

7. "Utah percent of system factor" means the Utah car miles divided by the system car miles.

B. The provisions of this rule apply only to private rail car companies.

C. To receive an adjustment for out-of-service rail cars, the rail car company must report the number of out-of-service days to the commission for each of the company's rail car fleets.

D. The out-of-service adjustment is calculated as follows.

1. Divide the out-of-service days by 365 to obtain the out-of-service rail car equivalent.

2. Subtract the out-of-service rail car equivalent calculated in D.1. from the number of rail cars in the fleet.

E. The taxable value for each rail car fleet apportioned to Utah, for which the Utah percent of system factor is more than 50 percent, shall be determined by multiplying the Utah percent of system factor by the fleet rail car market value.

F. The taxable value for each rail car company apportioned to Utah, for which the Utah percent of system factor is less than or equal to 50 percent, shall be determined in the following manner.

1. Calculate the number of fleet rail cars allocated to Utah under the Utah percent of system factor. The steps for this calculation are as follows.

a) Multiply the Utah percent of system factor by the in-service rail cars in the fleet.

b) Multiply the product obtained in F.1.a) by 50 percent.

2. Calculate the number of fleet rail cars allocated to Utah under the time speed factor. The steps for this calculation are as follows.

a) Divide the fleet's Utah car miles by the average rail car miles traveled in Utah per year. The Commission has determined that the average rail car miles traveled in Utah per year shall equal 200,000 miles.

b) Multiply the quotient obtained in F.2.a) by the percent of in-service rail cars in the fleet.

c) Multiply the product obtained in F.2.b) by 50 percent.

3. Add the number of fleet rail cars allocated to Utah under the Utah percent of system factor, calculated in F.1.b), and the number of fleet rail cars allocated to Utah under the time speed factor, calculated in F.2.c), and multiply that sum by the average market value per rail car.

R884-24P-50. Apportioning the Utah Proportion of Commercial Aircraft Valuations Pursuant to Utah Code Ann. Section 59-2-201.

A. Definitions.

1. "Commercial air carrier" means any air charter service, air contract service or airline as defined by Section 59-2-102.

2. "Ground time" means the time period beginning at the time an aircraft lands and ending at the time an aircraft takes off.

B. The commission shall apportion to a tax area the assessment of the mobile flight equipment owned by a commercial air carrier in the proportion that the ground time in the tax area bears to the total ground time in the state.

C. The provisions of this rule shall be implemented and become binding on taxpayers beginning with the 1999 calendar year.

R884-24P-52. Criteria for Determining Primary Residence Pursuant to Utah Code Ann. Sections 59-2-102 and 59-2-103.

A. "Household" is as defined in Section 59-2-1202.

B. "Primary residence" means the location where domicile has been established.

C. Except as provided in D. and F.3., the residential exemption provided under Section 59-2- 103 is limited to one primary residence per household.

D. An owner of multiple properties may receive the residential exemption on all properties for which the property is the primary residence of the tenant.

E. Factors or objective evidence determinative of domicile include:

1. whether or not the individual voted in the place he claims to be domiciled;

2. the length of any continuous residency in the location claimed as domicile;

3. the nature and quality of the living accommodations that an individual has in the location claimed as domicile as opposed to any other location;

4. the presence of family members in a given location;

5. the place of residency of the individual's spouse or the state of any divorce of the individual and his spouse;

6. the physical location of the individual's place of business or sources of income;

7. the use of local bank facilities or foreign bank institutions;

8. the location of registration of vehicles, boats, and RVs;

9. membership in clubs, churches, and other social organizations;

10. the addresses used by the individual on such things as:

a) telephone listings;

b) mail;

c) state and federal tax returns;

d) listings in official government publications or other correspondence;

e) driver's license;

f) voter registration; and

g) tax rolls;

11. location of public schools attended by the individual or the individual's dependents;

12. the nature and payment of taxes in other states;

13. declarations of the individual:

a) communicated to third parties;

b) contained in deeds;

c) contained in insurance policies;

d) contained in wills;

e) contained in letters;

f) contained in registers;

g) contained in mortgages; and

h) contained in leases.

14. the exercise of civil or political rights in a given location;

15. any failure to obtain permits and licenses normally required of a resident;

16. the purchase of a burial plot in a particular location;

17. the acquisition of a new residence in a different location.

F. Administration of the Residential Exemption.

1. Except as provided in F.2. and F.4., the first one acre of land per residential unit shall receive the residential exemption.

2. If a parcel has high density multiple residential units, such as an apartment complex or a mobile home park, the amount of land, up to the first one acre per residential unit, eligible to receive the residential exemption shall be determined by the use of the land. Land actively used for residential purposes qualifies for the exemption.

3. If the county assessor determines that a property under construction will qualify as a primary residence upon completion, the property shall qualify for the residential exemption while under construction.

4. A property assessed under the Farmland Assessment Act shall receive the residential exemption only for the homesite.

5. A property with multiple uses, such as residential and commercial, shall receive the residential exemption only for the percentage of the property that is used as a primary residence.

6. If the county assessor determines that an unoccupied property will qualify as a primary residence when it is occupied, the property shall qualify for the residential exemption while unoccupied.

R884-24P-53. 2001 Valuation Guides for Valuation of Land Subject to the Farmland Assessment Act Pursuant to Utah Code Ann. Section 59-2-515.

A. Each year the Property Tax Division shall update and publish schedules to determine the taxable value for land subject to the Farmland Assessment Act on a per acre basis.

1. The schedules shall be based on the productivity of the various types of agricultural land as determined through crop budgets and net rents.

2. Proposed schedules shall be transmitted by the Property Tax Division to county assessors for comment before adoption.

3. County assessors may not deviate from the schedules.

4. Not all types of agricultural land exist in every county. If no taxable value is shown for a particular county in one of the tables, that classification of agricultural land does not exist in that county.

B. All property defined as farmland pursuant to Section 59-2- 501 shall be assessed on a per acre basis as follows:

1. Irrigated farmland shall be assessed under the following classifications.

a) Irrigated I. The following counties shall assess Irrigated I property based upon the per acre values listed below:

TABLE 1
Irrigated I

1)	Box Elder	725
2)	Cache	600
3)	Carbon	550
4)	Davis	725
5)	Emery	475
6)	Iron	725
7)	Kane	450
8)	Millard	700
9)	Salt Lake	590
10)	Utah	650
11)	Washington	625
12)	Weber	725

b) Irrigated II. The following counties shall assess Irrigated II property based upon the per acre values listed below:

TABLE 2
Irrigated II

1)	Box Elder	625
2)	Cache	500
3)	Carbon	450
4)	Davis	625
5)	Duchesne	475
6)	Emery	375
7)	Grand	350
8)	Iron	625
9)	Juab	425
10)	Kane	350
11)	Millard	600
12)	Salt Lake	490
13)	Sanpete	475
14)	Sevier	550
15)	Summit	500
16)	Tooele	475
17)	Utah	550
18)	Wasatch	475
19)	Washington	525
20)	Weber	625

c) Irrigated III. The following counties shall assess Irrigated III property based upon the per acre values listed below:

TABLE 3
Irrigated III

1)	Beaver	475
2)	Box Elder	475
3)	Cache	350
4)	Carbon	300
5)	Davis	475
6)	Duchesne	325
7)	Emery	225
8)	Garfield	190
9)	Grand	200
10)	Iron	475
11)	Juab	275
12)	Kane	200
13)	Millard	450
14)	Morgan	360
15)	Piute	325
16)	Rich	275
17)	Salt Lake	340
18)	San Juan	190
19)	Sanpete	325
20)	Sevier	400
21)	Summit	350
22)	Tooele	325
23)	Uintah	350
24)	Utah	400
25)	Wasatch	325
26)	Washington	375
27)	Wayne	300
28)	Weber	475

d) Irrigated IV. The following counties shall assess Irrigated IV property based upon the per acre values listed below:

TABLE 4
Irrigated IV

1)	Beaver	375
2)	Box Elder	375
3)	Cache	250
4)	Carbon	200
5)	Daggett	235
6)	Davis	375
7)	Duchesne	225
8)	Emery	125

9)	Garfield	90
10)	Grand	100
11)	Iron	375
12)	Juab	175
13)	Kane	100
14)	Millard	350
15)	Morgan	260
16)	Piute	225
17)	Rich	175
18)	Salt Lake	240
19)	San Juan	90
20)	Sanpete	225
21)	Sevier	300
22)	Summit	250
23)	Tooele	225
24)	Uintah	250
25)	Utah	300
26)	Wasatch	225
27)	Washington	275
28)	Wayne	200
29)	Weber	375

2. Fruit orchards shall be assessed per acre based upon the following schedule:

TABLE 5
Fruit Orchards

a)	Box Elder	600
b)	Davis	600
c)	Utah	560
d)	Washington	750
e)	Weber	600
f)	All other counties	575

3. Meadow IV property shall be assessed per acre based upon the following schedule:

TABLE 6
Meadow IV

1)	Beaver	180
2)	Box Elder	180
3)	Cache	210
4)	Carbon	120
5)	Daggett	160
6)	Davis	230
7)	Duchesne	140
8)	Emery	100
9)	Garfield	100
10)	Grand	100
11)	Iron	185
12)	Juab	125
13)	Kane	90
14)	Millard	160
15)	Morgan	155
16)	Piute	150
17)	Rich	120
18)	Salt Lake	175
19)	Sanpete	175
20)	Sevier	190
21)	Summit	180
22)	Tooele	175
23)	Uintah	165
24)	Utah	195
25)	Wasatch	180
26)	Washington	195
27)	Wayne	130
28)	Weber	235

4. Dry land shall be classified as one of the following two categories and shall be assessed on a per acre basis as follows:

a) Dry III. The following counties shall assess Dry III property based upon the per acre values listed below:

TABLE 7
Dry III

1)	Beaver	50
2)	Box Elder	70
3)	Cache	75
4)	Carbon	50
5)	Davis	70
6)	Duchesne	50
7)	Garfield	50
8)	Grand	50
9)	Iron	50
10)	Juab	60
11)	Kane	50
12)	Millard	75
13)	Morgan	80
14)	Rich	60
15)	Salt Lake	50
16)	San Juan	45
17)	Sanpete	50
18)	Summit	50
19)	Tooele	50
20)	Uintah	45
21)	Utah	45
22)	Wasatch	50
23)	Washington	50
24)	Weber	65

b) Dry IV. The following counties shall assess Dry IV property based upon the per acre values listed below:

TABLE 8
Dry IV

1)	Beaver	15
2)	Box Elder	35
3)	Cache	40
4)	Carbon	15
5)	Davis	35
6)	Duchesne	15
7)	Garfield	15
8)	Grand	15
9)	Iron	15
10)	Juab	25
11)	Kane	15
12)	Millard	40
13)	Morgan	45
14)	Rich	25
15)	Salt Lake	15
16)	San Juan	10
17)	Sanpete	15
18)	Summit	15
19)	Tooele	15
20)	Uintah	10
21)	Utah	10
22)	Wasatch	15
23)	Washington	15
24)	Weber	30

5. Grazing land shall be classified as one of the following four categories and shall be assessed on a per acre basis as follows:

TABLE 9
Grazing Land

a)	Graze I	
	1) All Counties	50
b)	Graze II	
	2) All Counties	15
c)	Graze III	
	3) All Counties	10
d)	Graze IV	
	4) All Counties	5

6. Land classified as nonproductive shall be assessed as follows on a per acre basis:

TABLE 10
Nonproductive Land

a)	Nonproductive Land	
	1) All Counties	5

R884-24P-55. Counties to Establish Ordinance for Tax Sale Procedures Pursuant to Utah Code Ann. Section 59-2-1351.1.

A. "Collusive bidding" means any agreement or

understanding reached by two or more parties that in any way alters the bids the parties would otherwise offer absent the agreement or understanding.

B. Each county shall establish a written ordinance for real property tax sale procedures.

C. The written ordinance required under B. shall be displayed in a public place and shall be available to all interested parties.

D. The tax sale ordinance shall address, as a minimum, the following issues:

1. bidder registration procedures;

2. redemption rights and procedures;

3. prohibition of collusive bidding;

4. conflict of interest prohibitions and disclosure requirements;

5. criteria for accepting or rejecting bids;

6. sale ratification procedures;

7. criteria for granting bidder preference;

8. procedures for recording tax deeds;

9. payments methods and procedures;

10. procedures for contesting bids and sales;

11. criteria for striking properties to the county;

12. procedures for disclosing properties withdrawn from the sale for reasons other than redemption; and

13. disclaimers by the county with respect to sale procedures and actions.

R884-24P-56. Assessment, Collection, and Apportionment of Property Tax on Commercial Transportation Property Pursuant to Utah Code Ann. Sections 41-1a-301, and 59-2-801.

A. For purposes of Section 59-2-801, the previous year's statewide rate shall be calculated as follows:

1. Each county's overall tax rate is multiplied by the county's percent of total lane miles of principal routes.

2. The values obtained in A.1. for each county are summed to arrive at the statewide rate.

B. The assessment of vehicles apportioned under Section 41-1a-301 shall be apportioned at the same percentage ratio that has been filed with the Customer Service Division of the State Tax Commission for determining the proration of registration fees.

C. For purposes of Section 59-2-801(3)

"Principal route:" means lane miles of interstate highways and clover leafs, U.S. highways, and state highways extending through each county as determined by the Commission from current state Geographic Information System databases.

R884-24P-57. Judgment Levies Pursuant to Utah Code Ann. Sections 59-2-918.5, 59-2-924, 59-2-1328, and 59-2-1330.

A. Definitions.

1. "Issued" means the date on which the judgment is signed.

2. "One percent of the total ad valorem property taxes collected by the taxing entity in the previous fiscal year" includes any revenues collected by a judgment levy imposed in the prior year.

B. A taxing entity's share of a judgment or order shall include the taxing entity's share of any interest that must be paid with the judgment or order.

C. The judgment levy public hearing required by Section 59- 2-918.5 shall be held as follows:

1. For taxing entities operating under a July 1 through June 30 fiscal year, the public hearing shall be held at least 10 days after the Notice of Property Valuation and Tax Changes is mailed.

2. For taxing entities operating under a January 1 through December 31 fiscal year:

a) for judgments issued from the prior June 1 through December 15, the public hearing shall be held at the same time as the hearing at which the annual budget is adopted;

b) for judgments issued from the prior December 16 through May 31, the public hearing shall be held at least 10 days after the Notice of Property Valuation and Tax Changes is mailed.

3. If the taxing entity is required to hold a hearing under Section 59-2-919, the judgment levy hearing required by C.1. and C.2.b) shall be held at the same time as the hearing required under Section 59-2-919.

D. If the Section 59-2-918.5 advertisement is combined with the Section 59-2-918 or 59-2-919 advertisement, the combined advertisement shall aggregate the general tax increase and judgment levy information.

E. In the case of taxing entities operating under a January 1 through December 31 fiscal year, the advertisement for judgments issued from the previous December 16 through May 31 shall include any judgments issued from the previous June 1 through December 15 that the taxing entity advertised and budgeted for at its December budget hearing.

F. All taxing entities imposing a judgment levy shall file with the Tax Commission a signed statement certifying that all judgments for which the judgment levy is imposed have met the statutory requirements for imposition of a judgment levy.

1. The signed statement shall contain the following information for each judgment included in the judgment levy:

a) the name of the taxpayer awarded the judgment;

b) the appeal number of the judgment; and

c) the taxing entity's pro rata share of the judgment.

2. Along with the signed statement, the taxing entity must provide the Tax Commission the following:

a) a copy of all judgment levy newspaper advertisements required;

b) the dates all required judgment levy advertisements were published in the newspaper;

c) a copy of the final resolution imposing the judgment levy;

d) a copy of the Notice of Property Valuation and Tax Changes, if required; and

e) any other information required by the Tax Commission.

G. The provisions of House Bill 268, Truth in Taxation - Judgment Levy (1999 General Session), do not apply to judgments issued prior to January 1, 1999.

R884-24P-58. One-Time Decrease in Certified Rate Based on Estimated County Option Sales Tax Pursuant to Utah Code Ann. Section 59-2-924.

A. The estimated sales tax revenue to be distributed to a county under Section 59-12-1102 shall be determined based on

the following formula:

1. sharedown of the commission's sales tax econometric model based on historic patterns, weighted 40 percent;

2. time series models, weighted 40 percent; and

3. growth rate of actual taxable sales occurring from January 1 through March 31 of the year a tax is initially imposed under Title 59, Chapter 12, Part 11, County Option Sales and Use Tax, weighted 20 percent.

R884-24P-59. One-Time Decrease in Certified Rate Based on Estimated Additional Resort Communities Sales Tax Pursuant to Utah Code Ann. Section 59-2-924.

A. The estimated additional resort communities sales tax revenue to be distributed to a municipality under Section 59-12-402 shall be determined based on the following formula:

1. time series model, econometric model, or simple average, based upon the availability of and variation in the data, weighted 75 percent; and

2. growth rate of actual taxable sales occurring from January 1 through March 31 of the year a tax is initially imposed under Section 59-12-402, weighted 25 percent.

R884-24P-60. Age-Based Uniform Fee on Tangible Personal Property Required to be Registered with the State Pursuant to Utah Code Ann. Section 59-2-405.1.

A. For purposes of Section 59-2-405.1, "motor vehicle" is as defined in Section 41-1a-102, except that motor vehicle does not include motorcycles as defined in Section 41-1a-102.

B. The uniform fee established in Section 59-2-405.1 is levied against motor vehicles and state-assessed commercial vehicles classified under Class 22 - Passenger Cars, Light Trucks/Utility Vehicles, and Vans, in Tax Commission rule R884-24P- 33.

C. Personal property subject to the uniform fee imposed in Section 59-2-405 is not subject to the Section 59-2-405.1 uniform fee.

D. The following classes of personal property are not subject to the Section 59-2-405.1 uniform fee, but remain subject to the ad valorem property tax:

1. vintage vehicles;

2. state-assessed commercial vehicles not classified under Class 22 - Passenger Cars, Light Trucks/Utility Vehicles, and Vans;

3. any personal property that is neither required to be registered nor exempt from the ad valorem property tax;

4. mobile and manufactured homes;

5. machinery or equipment that can function only when attached to or used in conjunction with motor vehicles or state-assessed commercial vehicles.

E. The age of a motor vehicle or state-assessed commercial vehicle, for purposes of Section 59-2-405.1, shall be determined by subtracting the vehicle model year from the current calendar year.

F. The only Section 59-2-405.1 uniform fee due upon registration or renewal of registration is the uniform fee calculated based on the current calendar year.

G. Centrally assessed taxpayers shall use the following formula to determine the value of locally assessed motor vehicles that may be deducted from the allocated unit valuation:

1. Divide the system value by the book value to determine the market to book ratio.

2. Multiply the market to book ratio by the book value of motor vehicles registered in Utah and subject to Section 59-2-405.1 to determine the value of motor vehicles that may be subtracted from the allocated unit value.

H. The motor vehicle of a nonresident member of the armed forces stationed in Utah may be registered in Utah without payment of the Section 59-2-405.1 uniform fee.

I. A motor vehicle belonging to a Utah resident member of the armed forces stationed in another state is not subject to the Section 59-2-405.1 uniform fee at the time of registration or renewal of registration as long as the motor vehicle is kept in the other state.

J. The situs of a motor vehicle or state-assessed commercial vehicle subject to the Section 59-2-405.1 uniform fee is determined in accordance with Section 59-2-104. Situs of purchased motor vehicles or state-assessed commercial vehicles shall be the tax area of the purchaser's domicile, unless the motor vehicle or state-assessed commercial vehicle will be kept in a tax area other than the tax area of the purchaser's domicile for more than six months of the year.

1. If an assessor discovers a motor vehicle or state-assessed commercial vehicle that is kept in the assessor's county but registered in another, the assessor may submit an affidavit along with evidence that the vehicle is kept in that county to the assessor of the county in which the vehicle is registered. Upon agreement, the assessor of the county of registration shall forward the fee collected to the county of situs within 30 working days.

2. If the owner of a motor vehicle or state-assessed commercial vehicle registered in Utah is domiciled outside of Utah, the taxable situs of the vehicle is presumed to be the county in which the uniform fee was paid, unless an assessor's affidavit establishes otherwise.

3. The Tax Commission shall, on an annual basis, provide each county assessor information indicating all motor vehicles and state-assessed commercial vehicles subject to state registration and their corresponding taxable situs.

4. Section 59-2-405.1 uniform fees received by a county that require distribution to a purchaser's domicile outside of that county shall be deposited into an account established by the Commission, pursuant to procedures prescribed by the Commission.

5. Section 59-2-405.1 uniform fees received by the Commission pursuant to J.4. shall be distributed to the appropriate county at least monthly.

K. The blind exemption provided in Section 59-2-1106 is applicable to the Section 59-2-405.1 uniform fee.

L. The veteran's exemption provided in Section 59-2-1104 is applicable to the Section 59-2-405.1 uniform fee.

M. The value of motor vehicles and state-assessed commercial vehicles to be considered part of the tax base for purposes of determining debt limitations pursuant to Article XIII, Section 14 of the Utah Constitution, shall be determined by dividing the Section 59-2-405.1 uniform fee collected by .015.

N. The provisions of this rule shall be implemented and become binding on taxpayers beginning January 1, 1999.

R884-24P-61. 1.5 Percent Uniform Fee on Tangible Personal Property Required to be Registered with the State Pursuant to Utah Code Ann. Section 59-2-405.

A. Definitions.

1. For purposes of Section 59-2-405, "motor vehicle" is as defined in Section 41-1a-102, except that motor vehicle does not include motorcycles as defined in Section 41-1a-102.

2. "Recreational vehicle" means a vehicular unit other than a mobile home, primarily designed as a temporary dwelling for travel, recreational, or vacation use, which is either self-propelled or pulled by another vehicle.

a) Recreational vehicle includes a travel trailer, a camping trailer, a motor home, and a fifth wheel trailer.

b) Recreational vehicle does not include a van unless specifically designed or modified for use as a temporary dwelling.

B. The uniform fee established in Section 59-2-405 is levied against the following types of personal property, unless specifically excluded by Section 59-2-405:

1. motor vehicles that are not classified under Class 22 - Passenger Cars, Light Trucks/Utility Vehicles, and Vans, in Tax Commission rule R884-24P-33;

2. watercraft required to be registered with the state;

3. recreational vehicles required to be registered with the state; and

4. all other tangible personal property required to be registered with the state before it is used on a public highway, on a public waterway, on public land, or in the air.

C. The following classes of personal property are not subject to the Section 59-2-405 uniform fee, but remain subject to the ad valorem property tax:

1. vintage vehicles;

2. state-assessed commercial vehicles not classified under Class 22 - Passenger Cars, Light Trucks/Utility Vehicles, and Vans;

3. any personal property that is neither required to be registered nor exempt from the ad valorem property tax;

4. machinery or equipment that can function only when attached to or used in conjunction with motor vehicles.

D. The fair market value of tangible personal property subject to the Section 59-2-405 uniform fee is based on depreciated cost new as established in Tax Commission rule R884-24P-33, "Personal Property Valuation Guides and Schedules," published annually by the Tax Commission.

E. Centrally assessed taxpayers shall use the following formula to determine the value of locally assessed personal property that may be deducted from the allocated unit valuation:

1. Divide the system value by the book value to determine the market to book ratio.

2. Multiply the market to book ratio by the book value of personal property registered in Utah and subject to Section 59-2- 405 to determine the value of personal property that may be subtracted from the allocated unit value.

F. If a property's valuation is appealed to the county board of equalization under Section 59-2-1005, the property shall become subject to a total revaluation. All adjustments are made on the basis of their effect on the property's average retail value as of the January 1 lien date and according to Tax Commission rule R884-24P-33.

G. The county assessor may change the fair market value of any individual item of personal property in his jurisdiction for any of the following reasons:

1. The manufacturer's suggested retail price ("MSRP") or the cost new was not included on the state printout, computer tape, or registration card;

2. The MSRP or cost new listed on the state records was inaccurate; or

3. In the assessor's judgment, an MSRP or cost new adjustment made as a result of a property owner's informal request will continue year to year on a percentage basis.

H. If the personal property is of a type subject to annual registration, the Section 59-2-405 uniform fee is due at the time the registration is due. If the personal property is not registered during the year, the owner remains liable for payment of the Section 59-2-405 uniform fee to the county assessor.

1. No additional uniform fee may be levied upon personal property transferred during a calendar year if the Section 59-2-405 uniform fee has been paid for that calendar year.

2. If the personal property is of a type registered for periods in excess of one year, the Section 59-2-405 uniform fee shall be due annually.

3. The personal property of a nonresident member of the armed forces stationed in Utah may be registered in Utah without payment of the Section 59-2-405 uniform fee.

4. Personal property belonging to a Utah resident member of the armed forces stationed in another state is not subject to the Section 59-2-405 uniform fee as long as the personal property is kept in another state.

5. Noncommercial trailers weighing 750 pounds or less are not subject to the Section 59-2-405 uniform fee or ad valorem property tax but may be registered at the request of the owner.

I. If the personal property is of a type subject to annual registration, registration of that personal property may not be completed unless the Section 59-2-405 uniform fee has been paid, even if the taxpayer is appealing the uniform fee valuation. Delinquent fees may be assessed in accordance with Sections 59-2- 217 and 59-2-309 as a condition precedent to registration.

J. The situs of personal property subject to the Section 59-2-405 uniform fee is determined in accordance with Section 59-2- 104. Situs of purchased personal property shall be the tax area of the purchaser's domicile, unless the personal property will be kept in a tax area other than the tax area of the purchaser's domicile for more than six months of the year.

1. If an assessor discovers personal property that is kept in the assessor's county but registered in another, the assessor may submit an affidavit along with evidence that the property is kept in that county to the assessor of the county in which the personal property is registered. Upon agreement, the assessor of the county of registration shall forward the fee collected to the county of situs within 30 working days.

2. If the owner of personal property registered in Utah is domiciled outside of Utah, the taxable situs of the property is presumed to be the county in which the uniform fee was paid, unless an assessor's affidavit establishes otherwise.

3. The Tax Commission shall, on an annual basis, provide each county assessor information indicating all personal property subject to state registration and its corresponding taxable situs.

4. Section 59-2-405 uniform fees received by a county that require distribution to a purchaser's domicile outside of that county shall be deposited into an account established by the Commission, pursuant to procedures prescribed by the Commission.

5. Section 59-2-405 uniform fees received by the Commission pursuant to J.4. shall be distributed to the appropriate county at least monthly.

K. The blind exemption provided in Section 59-2-1106 is applicable to the Section 59-2-405 uniform fee.

L. The veteran's exemption provided in Section 59-2-1104 is applicable to the Section 59-2-405 uniform fee.

M. The provisions of this rule shall be implemented and become binding on taxpayers beginning January 1, 1999.

R884-24P-62. Valuation of State Assessed Utility and Transportation Properties Pursuant to Utah Code Ann. Section 59-2-201.

A. Definitions:

1. "Attributes" of property include all defining characteristics inseparable from real property and tangible personal property, such as size, location and other attributes inherent in the property itself.

2. "Cost regulated utility" means any public utility assessable by the Commission pursuant to Section 59-2-201, whose allowed rates are determined by a state or federal regulatory commission by reference to a rate of return applied to rate base where the rate of return and rate base are set by the regulatory body.

3. "Depreciation" is the loss in value from any cause. There are two distinct types of depreciation encountered in the appraisal of properties subject to this rule: accounting depreciation and appraisal depreciation. Accounting depreciation is often called "book depreciation" and is generally calculated in accordance with generally accepted accounting principles or regulatory guidelines. Appraisal depreciation is the total loss in property value from any cause. There are three recognized types of appraisal depreciation: physical deterioration, functional obsolescence and external obsolescence. Physical deterioration is the physical wearing out of the property evidenced by wear and tear, decay and structural defects. Physical deterioration includes the loss in value due to normal aging. Functional obsolescence includes the loss in value due to functional deficiencies or inadequacies within the property depicted as the inability of the property to perform adequately the functions for which it was originally designed. External (economic) obsolescence is the loss in value from causes outside the boundaries of the property and is generally incurable. Appraisal depreciation is often called "accrued depreciation."

4. "Fair market value" means the amount at which property would change hands between a willing buyer and a willing seller, neither being under any compulsion to buy or sell and both having reasonable knowledge of the relevant facts. Fair market value reflects the value of property at its highest and best use, subject to regulatory constraints.

5. "Property which operates as a unit" or "unitary property" means property that is functionally or physically integrated in operation or construction and functions as an economic unit or "one thing."

6. "Rate Base" means the aggregate account balances reported as such by the cost regulated utility to the applicable state or federal regulatory commission.

7. "State Assessed Utility and Transportation Properties" include all property which operates as a unit across county lines, if the values must be apportioned among more than one county or state; all operating property of an airline, air charter service, and air contract service; and all property of public utilities as defined in Utah Code Ann. Section 59-2-102(21). For property tax valuation purposes, these properties may generally be classified as telecommunication properties, energy properties, and transportation properties, some of which may be cost regulated utilities.

a. "Telecommunication properties" means all telephone properties, including local exchange carriers, local access providers, long distance carriers, cellular telephone or personal communication service (PCS) providers and pagers, and other similar type properties that operate as a unit across county lines and are assessable by the Commission pursuant to Section 59-2-201.

b. "Energy properties" include the operating property of natural gas pipelines, natural gas distribution companies, liquid petroleum products pipelines, and electric corporations, including electric generation, transmission, and distribution companies, and other similar type entities and are assessable by the Commission pursuant to Section 59-2-201.

c. "Transportation properties" means all airlines, air charter services, air contract services, including major and small passenger carriers and major and small air freighters, long haul and short line railroads, and other similar type properties that operate as a unit across county lines and are assessable by the Commission pursuant to Section 59-2-201.

8. "Taxable Property" means property that is subject to assessment and taxation according to its value but does not include intangible property. Intangible property is property that is capable of private ownership separate from tangible property and includes moneys, credits, bonds, stocks, representative property, franchises, licenses, trade names, copyrights, and patents.

B. General Valuation Principles. State assessed utility and transportation properties shall be assessed at fair market value for property tax purposes based on generally accepted appraisal theory and the provisions of this rule.

1. Taxable Property and Unit Methodologies. All taxable property, as defined in this rule, is subject to assessment, and if the property operates together as a unit, the assemblage or enhanced value attributable to the taxable property operating together should be included in the assessed value. The value attributable to intangible property must, when possible, be identified and removed from value when using any valuation method and before that value is used in the correlation process.

a. The preferred methods to determine the fair market value for all state assessed utility and transportation property are a cost indicator and a yield capitalization income indicator.

b. Other generally accepted appraisal methods may also be used when it can be demonstrated that such methods are necessary in order to more accurately estimate the fair market value, which includes assemblage or enhanced value, of

properties that operate together as a unit.

c. The direct capitalization income method and the stock and debt market method may tend to capture the value of intangible property, as defined in this rule, at higher levels than other methods. To the extent such intangible property cannot be identified and removed, relatively less weight shall be given to such methods in the correlation process, as set forth in Section B.5.

d. No final estimate of value will be imposed or considered unless the weighting percentages of the various value indicators used to correlate the final estimate of value are disclosed in writing. Disclosure of the weighting percentages also includes a written explanation describing why a party weighted the particular indicators of value by the percentages so indicated.

e. A party may challenge a final estimate of value by proposing changes to the application of a methodology, by proposing a different valuation methodology or weighting formula, or by presenting any other evidence or argument that establishes a more accurate final estimate of value. A challenge to a final estimate of value will be considered effective only if the proposed valuation methodology or weighting formula demonstrates, by a preponderance of the evidence, that it establishes a more accurate estimate of fair market value.

2. Cost Indicator. Cost is relevant to value under the principle of substitution, which states that no prudent investor would pay more for a property than the cost to construct a substitute property of equal desirability and utility without undue delay. Generally a cost indicator may be developed under one or more of the following approaches; replacement cost new less depreciation ("RCNLD"), reproduction cost less depreciation ("Reproduction Cost"), and historic cost less depreciation ("HCLD").

a. RCNLD. Replacement cost is the estimated cost to construct, at current prices, a property with utility equivalent to that being appraised, using modern materials, current technology and current standards, design, and layout.

b. Reproduction Cost. Reproduction cost is the estimated cost to construct, at current prices, an exact duplicate or replica of the property being assessed, using the same materials, construction standards, design, layout and quality of workmanship, and embodying all the deficiencies, superadequacies, and obsolescence of the subject property. Reproduction cost shall be adjusted for appropriate depreciation.

c. HCLD. The HCLD approach is the historic cost less depreciation. Depending upon the industry, it may be appropriate to trend HCLD to current costs. Only trending indexes commonly recognized by the industry may be used as a trending adjustment to HCLD.

d. In the mass appraisal environment for state assessed utility and transportation property, RCNLD is impractical to implement. The preferred cost indicator of value is HCLD. A party may challenge the use of HCLD by proposing a different cost indicator that establishes a more accurate cost estimate of value. A challenge to the use of HCLD as the cost indicator of value will be considered effective only if the proposed cost indicator of value demonstrates, by a preponderance of the evidence, that it establishes a more accurate cost estimate of value.

3. Income Indicator. An income indicator recognizes that value is created by the expectation of future benefits to be derived from the property.

a. Yield Capitalization Approach. This income indicator shall be determined by converting future cash flows to present value as of the lien date by capitalizing future estimated cash flows at an appropriate discount rate. The yield capitalization formula is CF/(k-g), where "CF" is cash flow, "k" is the nominal, risk adjusted discount rate, and "g" is the expected future growth of the cash flow in the numerator. Each of these terms is defined below. A discounted cash flow method in which (i) individual years' cash flow are projected, (ii) the formula CF/(k-g) is used to compute terminal value, and (iii) the projected cash flows and terminal value are discounted back to present value; may be used as a substitute income valuation approach for the above yield capitalization approach when the use of a single representative annual cash flow is clearly inappropriate.

(1) Cash Flow ("CF"). Cash flow is restricted to cash flows provided by the operating property in existence on the lien date, together with any replacements intended to maintain, and not expand or modify, the existing capacity or function thereof. Cash flow is calculated as net operating income (NOI) plus noncash charges (e.g., depreciation and deferred income taxes), less capital expenditures and additions to net working capital necessary to achieve the expected growth "g". The cash flows should reflect the cash flows available to pay sources of financing for the assets in existence on the lien date or an equivalent pool of assets. The capital expenditures should include only those expenditures necessary to replace or maintain existing plant and should not include any expenditures intended for expansion or productivity and capacity enhancements. If a taxpayer is unable to separate replacement capital expenditures with reasonable accuracy from expansion capital expenditures, the taxpayer must provide the Property Tax Division sufficient data to adjust the "g" in the yield capitalization formula appropriately. If the taxpayer is unable to provide data to adjust the "g", the Property Tax Division will estimate an adjustment to cash flows or "g" based on the best information available, including industry specific cost indicies. Information necessary for the Property Tax Division to calculate the appropriate cash flow shall be summarized and submitted to the Property Tax Division by March 1 on a form provided by the Property Tax Division. The calculation of Cash Flow may be illustrated by the following formula: CF = NOI + Noncash Charges - Replacement Capital Expenditures - Additions to Net Working Capital

(a) Cash flow is the projected cash flow for the next year and may be estimated by reviewing the last five years' cash flows, forecasting future cash flows, or a combination of both.

(b) If cash flows for a subsidiary company are not available or are not allocated between subsidiary companies on the parent company's cash flow statements, then a method of allocating total cash flows must be developed based on sales, fixed assets, or other reasonable criteria. Whichever criterion is chosen, the subsidiary's total is divided by the parent's total to produce a percentage that is applied to the parent's total cash flow to estimate the subsidiary's cash flow.

(c) If the subject company does not provide the Commission with its most recent cash flow statements by March

1 of the assessment year, Property Tax Division may estimate cash flow using the best information available.

(2) Discount Rate ("k"). The discount rate shall be based upon a weighted average cost of capital considering current market debt rates and equity yields determined by recognized market measurements such as capital asset pricing model ("CAPM"), Risk Premium, Dividend Growth models, or other recognized models. The weighting of debt and equity should reflect the market value weightings of comparable companies in the industry.

(a) Cost of Debt. The cost of debt should reflect the current market rate (yield to maturity) of debt with the same credit rating as the subject company.

(b) Cost of Equity. In the discount rate, the CAPM is the preferred method to estimate the cost of equity. More than one method may be used to correlate a cost of equity, but only if the CAPM method is weighted at least 50% in the correlation.

(c) CAPM. The CAPM formula is k(e) = R(f) + (Beta x Risk Premium), where k(e) is the cost of equity and R(f) is the risk free rate.

(i) Risk Free Rate ("R(f)"). The risk free rate shall be the current market rate on 20 year Treasury bonds.

(ii) Beta. The beta should reflect an average or value-weighted average of comparable companies. The beta of the comparable companies should be drawn from Value Line or a comparable source. Once a source is chosen, beta should be drawn consistently from this source. However, the beta of the specific assessed property should also be considered.

(iii) Risk Premium. The risk premium shall be the arithmetic average of the spread between the return on stocks and the income return on long term bonds for the entire historical period contained in the Ibbotson study that summarizes information for the calendar year immediately preceding the lien date.

(3) Growth Rate ("g"). The growth rate "g" is the expected future growth of the cash flow in the numerator of the formula given in CF/(k-g). If insufficient information is available to the Property Tax Division, either from public sources or from the taxpayer, to determine an appropriate "g", then "g" will be the expected inflationary rate as given by the Gross Domestic Product Price Deflator obtained in Value Line. The inflationary rate and the methodology used to produce it shall be disclosed in a capitalization rate study published by the Commission by February 15 of the assessment year.

b. Direct Capitalization Approach. This is an income approach that converts an estimate of a single year's income expectancy into an indication of value in one direct step, either by dividing the normalized income estimate by an appropriate income capitalization rate or by multiplying the normalized income estimate by an appropriate factor.

4. Market Indicator. The market value of property is directly related to the prices of comparable, competitive properties; or the sale of the specific assessed property when such information is available. The market or sales comparison approach is estimated by comparing the subject property to similar properties that have recently sold. Because sales of state assessed utility and transportation properties are infrequent, the stock and debt approach may be used as a surrogate to the market approach. The stock and debt method is based on the accounting principle which holds that the market value of assets equal the market value of liabilities plus shareholder's equity.

5. Correlation. When reconciling value indicators into a final estimate of value, the appraiser shall take into consideration the availability, and quality or reliability of data and the strength and weaknesses of each value indicator. The percentage weight assigned to each indicator in the correlation process shall be established, disclosed and explained as set forth in Section B.1.

6. Non-operating property. Property that is not necessary to the operation of the state assessed utility or transportation properties and is assessed by the local county assessor, and property separately assessed by the Property Tax Division, such as registered motor vehicles, shall be removed from the correlated unit value or from the state allocated value.

7. Leased property. All tangible operating property owned, leased, or used by state assessed utilities and transportation companies is subject to assessment.

8. Property Specific Considerations. The Commission recognizes that because of unique differences between certain types of properties and industries, modifications or alternatives to these general cost and yield income indicators, as set forth in Sections C., D., and E., may be required for the following industries: (a) cost regulated utilities, (b) telecommunications properties, and (c) transportation properties.

C. Cost regulated utilities:

1. Cost Indicator. The HCLD approach is the preferred cost indicator of value for cost regulated utilities because it represents an approximation of the basis upon which the investor can earn a return. The HCLD approach is calculated by taking the historic cost less deprecation as reflected in the state assessed utility's net plant accounts, and by then (1) subtracting intangible property, (2) subtracting any items not included in the state assessed utility's rate base (e.g., deferred federal income taxes ("DFIT") and, if appropriate, acquisition adjustments), and (3) adding any taxable items not included in the state assessed utility's net plant account or in rate base.

a. Deferred Federal Income Taxes. DFIT is an accounting entry that reflects a timing difference for reporting income and expenses. Accumulated DFIT reflects the difference between the use of accelerated depreciation for income tax purposes and the use of straight-line depreciation for financial statements. For traditional rate base regulated companies, regulators generally exclude DFIT from rate base, recognizing it as ratepayer contributed capital. Where rate base is reduced by DFIT for rate base regulated companies, DFIT may be removed from HCLD as one type of economic obsolescence.

b. DFIT can be one type of economic obsolescence. If a study is prepared that authenticates actual economic obsolescence and is approved by the Commission, the amount of the actual economic obsolescence will be subtracted from HCLD to develop the cost indicator of value.

2. Income indicator. The yield capitalization approach set forth in Section B.3. is the preferred method to derive the income indicator of value.

D. Telecommunications Properties:

1. Cost Indicator. The HCLD approach, which may, if appropriate, be trended as set forth in Section B.2., is the preferred method to derive the cost indicator of value.

2. Income Indicator. The yield capitalization approach set forth in Section B.3. is the preferred method to derive the income indicator of value.

E. Transportation Properties.

1. Railroads.

a. Cost Indicator. The Railroad industry is not rate base regulated and does not typically have a majority of its investment in property of recent vintage. Accordingly, for Railroads, the cost indicator should generally be given little or no weight because there is no observable relationship between cost and fair market value. Cost valuation should be based on trended historical costs less depreciation. Additions should be made for material and supplies and operating leased equipment. Deductions should be made for all capitalized intangible property such as customized computer software. All forms of depreciation should be measured and appropriately deducted.

b. Income Indicator. The yield capitalization approach set forth in Section B.3. is the preferred method to derive the income indicator of value.

2. Commercial airlines.

a. Cost Indicator. The HCLD approach, appropriately trended as set forth in Section B.2., is the preferred method to derive the cost indicator of value.

b. Income Indicator. The yield capitalization approach set forth in Section B.3. is the preferred method to derive the income indicator of value.

F. The provisions of this rule are retrospective to January 1, 2001.

R884-24P-63. Performance Standards and Training Requirements Pursuant to Utah Code Ann. Section 59-2-406.

A. The party contracting to perform services shall develop a written customer service performance plan within 60 days after the contract for performance of services is signed.

1. The customer service performance plan shall address:

a) procedures the contracting party will follow to minimize the time a customer waits in line; and

b) the manner in which the contracting party will promote alternative methods of registration.

2. The party contracting to perform services shall provide a copy of its customer service performance plan to the party for whom it provides services.

3. The party for whom the services are provided may, no more often than semiannually, audit the contracting party's performance based on its customer service performance plan, and may report the results of the audit to the county commission or the state tax commissioners, as applicable.

B. Each county office contracting to perform services shall conduct initial training of its new employees.

C. The Tax Commission shall provide regularly scheduled training for all county offices contracting to perform motor vehicle functions.

R884-24P-64. Determination and Application of Taxable Value for Purposes of the Property Tax Exemptions for Disabled Veterans and the Blind Pursuant to Utah Code Ann. Sections 59-2-1104 and 59-2-1106.

A. For purposes of Sections 59-2-1104 and 59-2-1106, taxable value of vehicles subject to the Section 59-2-405.1 uniform fee shall be calculated by dividing the Section 59-2-405.1 uniform fee the vehicle is subject to by .015.

R884-24P-65. Assessment of Transitory Personal Property Pursuant to Utah Code Ann. Section 59-2-402.

A. "Transitory personal property"means tangible personal property that is used or operated primarily at a location other than a fixed place of business of the property owner or lessee.

B. Transitory personal property in the state on January 1 shall be assessed at 100 percent of fair market value.

C. Transitory personal property that is not in the state on January 1 is subject to a proportional assessment when it has been in the state for 90 consecutive days in a calendar year.

1. The determination of whether transitory personal property has been in the state for 90 consecutive days shall include the days the property is outside the state if, within 10 days of its removal from the state, the property is:

a) brought back into the state; or

b) substituted with transitory personal property that performs the same function.

D. Once transitory personal property satisfies the conditions under C., tax shall be proportionally assessed for the period:

1. beginning on the first day of the month in which the property was brought into Utah; and

2. for the number of months remaining in the calendar year.

E. An owner of taxable transitory personal property who removes the property from the state prior to December and who qualifies for a refund of taxes assessed and paid, shall receive a refund based on the number of months remaining in the calendar year at the time the property is removed from the state and for which the tax has been paid.

1. The refund provisions of this subsection apply to transitory personal property taxes assessed under B. and C.

2. For purposes of determining the refund under this subsection, any portion of a month remaining shall be counted as a full month.

F. If tax has been paid for transitory personal property and that property is subsequently moved to another county in Utah:

1. No additional assessment may be imposed by any county to which the property is subsequently moved; and

2. No portion of the assessed tax may be transferred to the subsequent county.

R884-24P-66. Appeal to County Board of Equalization Pursuant to Utah Code Ann. Section 59-2-1004.

A.1. "Factual error" means an error that is:

a) objectively verifiable without the exercise of discretion, opinion, or judgment, and

b) demonstrated by clear and convincing evidence.

2. Factual error includes:

a) a mistake in the description of the size, use, or ownership of a property;

b) a clerical or typographical error in reporting or entering the data used to establish valuation or equalization;

c) an error in the classification of a property that is eligible for a property tax exemption under:

(1) Section 59-2-103; or

(2) Title 59, Chapter 2, Part 11;

d) valuation of a property that is not in existence on the lien date; and

e) a valuation of a property assessed more than once, or by the wrong assessing authority.

B. Except as provided in D., a county board of equalization shall accept an application to appeal the valuation or equalization of a property owner's real property that is filed after the time period prescribed by Section 59-2-1004(2)(a) if any of the following conditions apply:

1. During the period prescribed by Section 59-2-1004(2)(a), the property owner was incapable of filing an appeal as a result of a medical emergency to the property owner or an immediate family member of the property owner, and no co-owner of the property was capable of filing an appeal.

2. During the period prescribed by Section 59-2-1004(2)(a), the property owner or an immediate family member of the property owner died, and no co-owner of the property was capable of filing an appeal.

3. The county did not comply with the notification requirements of Section 59-2-919(4).

4. A factual error is discovered in the county records pertaining to the subject property.

5. The property owner was unable to file an appeal within the time period prescribed by Section 59-2-1004(2)(a) because of extraordinary and unanticipated circumstances that occurred during the period prescribed by Section 59-2-1004(2)(a), and no co-owner of the property was capable of filing an appeal.

C. Appeals accepted under B.4. shall be limited to correction of the factual error and any resulting changes to the property's valuation.

D. The provisions of B. apply only to appeals filed for a tax year for which the treasurer has not made a final annual settlement under Section 59-2-1365.

E. The provisions of this rule apply only to appeals to the county board of equalization. For information regarding appeals of county board of equalization decisions to the Commission, please see Section 59-2-1006 and R861-1A-9.

KEY: taxation, personal property, property tax, appraisal

October 16, 2001	**Art. XIII, Sec 2**
Notice of Continuation May 8, 1997	**9-2-201**
	11-13-25
	41-1a-202
	41-1a-301
	59-1-210
	59-2-102
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	59-2-303
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	59-2-405
	59-2-405.1
	59-2-406
	59-2-501 through 59-2-515
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R909. Transportation, Motor Carrier.

R909-19. Safety Regulations for Tow Truck Operations - Tow Truck Requirements for Equipment, Operation and Certification.

R909-19-1. Authority.

This rule is enacted under the authority of Sections 72-9-601, 72-9-601, 72-9-602, 72-9-603, 72-9-604, 53-1-106, 41-6-102, Utah Code.

R909-19-2. Applicability.

(1) All tow trucks motor carriers and employees must comply and observe all rules, regulations, traffic laws and guidelines as prescribed by State Law and 49 CFR Part 350 - 399, hereby incorporated by reference in accordance with Sections 41-6-101, 41-6-102, 41-6-104, 72-9-301, 72-9-303, 72-601, 72-9-602, 72-9-603, 72-9-604, 72-9-701, 72-9-702, 72-9-703, and 72-9-703, Utah Code.

(2) Until the certification program is established all Tow Truck Motor Carriers, equipment and driver's will be deemed certified until November 15, 2001. After November 15, 2001, all Tow Truck Motor Carriers, equipment and drivers will need to receive training and certification as outlined in the Utah Regulations for Towing Operation and Certification Manual.

R909-19-3. Definitions.

(1) "Abandoned Vehicle" means a vehicle that is left unattended on a highway for a period in excess of 48 hours; or on any public or private property for a period in excess of seven days without express or implied consent or the owner or person in lawful possession or control of the property.

(2) "Consent Tow" means tow truck service that was ordered by a peace officer, or a person acting on behalf of a law enforcement agency, or a highway authority, as defined in Section 72-1-102, after performing any tow truck service that is done at the vehicle, vessel, or outboard motor owner's knowledge.

(3) "Division" means the Motor Carrier Division

(4) "Department" means the Utah Department of Transportation.

(5) "Driveaway-Towaway Operation" means any operation in which a motor vehicle constitutes the commodity being transported.

(6) "Gross combination weight rating (GCWR)" means the value specified by the manufacturer as the loaded weight of a combination (articulated) motor vehicle. In the absence of a value specified by the manufacturer, GVCR will be determined by adding the GVWR of the power unit and the total weight of the towed unit and any load thereon.

(7) "Gross vehicle weight rating (GVWR)" means the value specified by the manufacturer as the loaded weight of a single motor vehicle.

(8) "Non Consent Tow " means:

(a) tow truck service as ordered by a peace officer, or a person acting on behalf of a law enforcement agency, or a highway authority as defined in Section 72-1-102, or

(b) any tow truck service performed without the vehicle, vessel, or outboard motor owner's knowledge or permission, and may include tow truck services that are performed on private property.

(9) "Non-Consent Police Generated Tow" means tow truck service that was ordered by a peace officer, or a person acting on behalf of a law enforcement agency, or a highway authority, as defined in Section 72-1-102, after performing a tow truck service that is performed without the vehicle, vessel, or outboard motor owner's knowledge or permission.

(10) "Personal Property" means articles associated with a person, as property having more or less intimate relation to person, Including clothing, tools, home/family/vocation items, etc. Items that are considered to be the original manufactured equipment, and/or attached property to the vehicle, including tires, rims, vehicle-stereos, speakers, or CD changers are not considered personal property and will remain in the vehicle.

(11) "Rollback/Auto Carrier " means a vehicle constructed, designed, altered, or equipped primarily for the purpose of removing damaged, disabled, abandoned, seized, or impounded vehicles from the highway or other place by means of a tilt bed or roll-back deck.

(12) "Tow Truck" means a motor vehicle constructed, designed, altered, or equipped primarily for the purpose of towing or removing damages, disabled, abandoned, seized, or impounded vehicles from highway or other place my means of a crane, hoist, tow bar, tow line, dolly tilt bed, or other similar means of vehicle transfer without its own power or control.

(13) "Tow Truck Certification" means a program to authorize and approve tow truck motor carrier owners and operators, and is the process by which the Department, acting under Section 72-9-602, Utah Code, shall verify compliance with the State and Federal Motor Carriers Safety Regulations, including terms and conditions as outlined in the Utah Regulations for Towing Operation and Certification Manual. This process includes certification for tow truck motor carriers, tow truck owners, drivers, and related equipment. Certificates will be issued for the following categories:

(a) "Basic Certification" means training applicable to standard tow truck motor carrier operations where the towed vehicle weighs 10,000 lbs or less as outlined in the Utah Regulations for Towing Operation and Certification Manual.

(b) "Commercial Certification" means training applicable to tow truck motor carrier operations where the towed vehicle weighs 10,001 lbs or more as outlined in the Utah Regulations for Towing Operation and Certification Manual.

(c) "Hazardous Material Certification" means training applicable to tow truck motor carrier operations where the towed vehicle is of any size and is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F.

(d) "Hazardous Material Certification - Cargo Tank Special Endorsement" means special endorsement training applicable to towing operations limited to the recovery of cargo tanks. Cargo Tank Special Endorsements training and certification requirements are outlined specifically in the Utah Regulations for Towing Operation and Certification Manual.

(14) "Tow Truck Motor Carrier" means a for-hire tow truck motor carrier or a private tow truck motor carrier, and includes a tow truck motor carrier's agents, officers and representatives as well as employees responsible for hiring,

supervising, training, assigning, or dispatching of drivers and employees concerned with the installation, inspection, and maintenance of equipment and/or accessories.

(15) "Tow Truck Service" means the transportation upon the public streets and highways of the State of damaged, disabled, or abandoned vehicles together with personal effects and/or cargo. The terms wrecker service, tow car service, and garage tow truck service are synonymous and shall be considered as "tow truck service."

(a) "Class A Tow Truck" means a tow truck, rollback/auto carrier with a minimum manufacturer's GVWR of 10,000 lbs.

(b) "Class B - Light Duty Tow Truck" means a tow truck with a minimum manufacturer's GVWR equal to 10,001 lbs or less than 18,000 lbs.

(c) "Class C - Medium Duty Tow Truck" means a tow truck with a minimum manufacturer's GVWR equal to 18,001 lbs or less than 26,001 lbs.

(d) "Class D - Heavy Duty Tow Truck" means a tow truck with a minimum manufacturer's GVWR of 26,001 lbs or greater.

(16) "Tow Truck Motor-Carrier Steering Committee" means a committee established by the Administrator of the Motor Carrier Division and will include enforcement personnel, industry representatives and, Transportation Commissioner(s) or other persons as deemed necessary.

R909-19-4. Duties - Enforcement - Compliance Audits, Inspections and Right of Entry.

The Department shall administer and in cooperation with the Department of Public Safety, Utah Highway Patrol Division as specified under Section 53-8-105, Utah Code, shall administer and enforce state and federal laws related to the operation of tow truck motor carriers within the state. In addition, a tow truck motor carrier shall submit its lands, property, buildings, equipment for inspection and examination and shall submit its accounts, books, records, or other documents for inspection and copying to verify compliance as authorized by Section 72-9-301.

R909-19-5. Insurance.

All tow trucks will be required to carry at least $750,000 of insurance minimum liability plus the MCS-90 endorsement for environmental restoration as required in 49 CFR Part 387 - Minimum Levels of Financial Responsibility for Motor Carriers. Evidence of required insurance will be maintained at the principal place of business and made available to the Department and/or investigator upon request and prior to tow truck carrier certification as outlined in the Utah Regulations for Towing Operation and Certification Manual.

R909-19-6. Penalties and Fines.

Any tow truck motor carrier that fails or neglects to comply with State or Federal Motor Carrier Safety Regulations or any part of this rule or conditions set forth in the Utah Regulations for Towing Operation and Certification Manual or order by the Department is subject to a civil penalty as authorized by Section 72-9-701, and 72-9-703 and may be acceptable as sufficient cause for the Department to revoke tow truck motor carrier, driver, and/or vehicle certification.

R909-19-7. Cease and Desist Orders - Registration Sanctions.

(1) The Department may issue a cease and desist order to any tow truck motor carrier that fails or neglects to comply with State and Federal Motor Carrier Safety Regulations or any part of this rule or conditions set forth in the Utah Regulations for Towing Operation and Certification Manual or order by the Department as authorized by Section 72-9-303.

(2) The Department shall notify the Motor Vehicle Division of the State Tax Commission upon having reasonable grounds to believe that a tow truck motor carrier is in violation of this rule as authorized by Section 72-9-303(2).

R909-19-8. Towing Notice Requirements.

(1) A tow truck motor carrier after performing a tow truck service, that was not ordered by a peace officer, or a person acting on behalf of a law enforcement agency or a highway authority, as defined in R909-19-3, without the vehicle, vessel, or outboard motor owner's knowledge shall immediately upon arriving at the place of storage or impound of the vehicle contact by radio or phone, the law enforcement agency having jurisdiction over the area where the vehicle, vessel, or outboard motor was picked up and notify the agency as per requirements set forth in 72-9-603(1).

Pursuant to the requirement to "immediately" ... "contact the law enforcement agency having jurisdiction" as required by Section 72-9-603, Utah Code, a tow-truck motor-carrier operator shall:

(a) Report the removal immediately upon arriving at the place of storage or impound of the vehicle, if removal was completed during posted office hours.

(b) Report the removal within 2 hours of the next business day if the removal occurred after normal posted office hours.

(c) For purposes of Section 72-9-603, the "contact" to the law enforcement agency shall be considered accomplished if made as per Section R909-19-9.

(d) If this reporting is not completed within the time frame, the Tow Truck Motor Carrier or Operator will not be allowed to collect any fees or begin charging storage fees as authorized under Section 72-9-603. Notification and reporting requirements will be completed in electronic form (website) as identified in the Utah Regulations for Towing Operation and Certification Manual.

(2) Any Tow Truck Motor Carrier or its agents who violates notification requirements as outlined or uses a restriction devise or means of disabling the vehicle may be assessed civil penalties determined by the Department as authorized under Section 72-9-603.

R909-19-9. Requirement for Tow Truck Motor Carriers to input required information for Government and Public Notification.

All Tow Truck Motor Carriers must follow notification procedures as required by 72-9-603 and input required information in electronic form (website) as identified in the Utah Regulations for Towing Operation and Certification Manual.

R909-19-10. Certification.

(1) The Department shall inspect, investigate/audit, and certify tow truck motor carriers, tow trucks, and tow truck drivers at least every two years to ensure compliance as required by Sections 41-6-102.5, 41-6-102.7, Utah Code, and 49 CFR Parts 350 - 399, 170-180 where applicable.

(2) The Department will charge a biennial fee as authorized by Section 72-9-602(1) to cover costs associated with the inspection, investigation/compliance review, and certification.

R909-19-11. Certification Fees.

Each separate Tow Truck Motor Carrier is responsible for the cost of vehicle inspections, compliance audits and certification as authorized by this rule. Cost-estimates associated with vehicle inspections, investigation/compliance review and certification are outlined in the Utah Regulations for Towing Operation and Certification Manual.

R909-19-12. Certification from a Qualified Training Facility.

(1) The Department will accept training or equivalent certification from a qualified professional training facility that meets minimum requirements as outlined in the Utah Regulations for Towing Operation and Certification Manual. Training segments that meet minimum requirements can be applied toward a tow truck motor carrier certification, vehicle certification, or driver certification as outlined in the Utah Regulations for Towing Operation and Certification Manual.

(2) The Department will only accept training or equivalent certification from a qualified professional training facility as identified in the Utah Regulations for Towing Operation and Certification Manual within the first year of the implementation of the program. After such time, all Tow Truck Motor Carriers operating within the state must be certified as outlined by the Utah Regulations for Towing Operation and Certification Manual.

R909-19-13. Maximum Towing Rates. Public Non-Consent Tows.

(1) $110 per hour for the use of Class A and B Tow Truck Service;

(a) An additional 15% per hour may be charged if the towed vehicle is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F and the tow truck operator is hazardous material certified as outlined in the Utah Regulations for Towing Operations and Certification Manual.

(2) $200 per hour for the use of a Class C Tow Truck Service;

(a) An additional 15% per hour may be charged if the towed vehicle is used in the transport transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F and the tow truck operator is hazardous material certified as outlined in the Utah Regulations for Towing Operations and Certification Manual.

(3) $250 per hour for the use of a Class D Tow Truck Service

(a) An additional 15% per hour may be charged if the towed vehicle is used in the transport transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F and the tow truck operator is hazardous material certified as outlined in the Utah Regulations for Towing Operations and Certification Manual.

(4) $400 per hour for the use of any tow truck service in the recovery of a hazardous material cargo tank vehicles of any size and is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F and the tow truck operator is hazardous material certified as outlined in the Utah Regulations for Towing Operations and Certification Manual.

(5) $45 Maximum rate for non-consent impoundment of vehicles towed from private property/parking lots.

R909-19-14. Maximum Storage Rates. Public Non-Consent Tows.

(1) $15 Maximum per day, per unit, for outside storage of cars, pickups, and smaller vehicles;

(2) $20 Maximum per day, per unit may be charged for inside storage of cars; pickups and smaller vehicles only at the owner's request.

(3) $35 Maximum per day, per unit for outside storage of semi tractors or trailers;

(4) $70 Maximum per day, per unit may be charged for inside storage of semi tractors or trailers only at the owner's request.

(5) $100 Maximum per day, per unit for outside storage of vehicles used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F.

(6) $150 Maximum per day, per unit may be charged for inside storage of vehicles used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations, 49 CFR Part 172, subpart F, only at the owner's request.

R909-19-15. Towing and Storage Rates. Public Consent Tows.

Towing rates for public consent tows are the responsibility of the consumer and the tow truck motor carrier as contracted for services rendered and are not regulated by the Department.

R909-19-16. Rates and Storage Posting Requirements.

Pursuant to Section 72-9-603(6), a tow truck motor carrier or impound yard shall clearly and conspicuously post and disclose all its current non-consent fees and rates for towing and storage of a vehicle.

R909-19-17. Federal Motor Carrier Safety Requirements.

All tow truck motor carriers that meet the definition of a commercial motor carrier shall comply with all State and Federal Motor Carrier Safety Regulations as outlined in the Utah Regulations for Towing Operations and Certification Manual.

R909-19-18. Consumer Protection Information.

Pursuant to Section 72-9-602, the Department shall make consumer protection information available to the public that may use a tow truck motor carrier. To obtain such information, the public can call the Motor Carrier Division at (801) 965-4261.

R909-19-19. Establishment of Tow Truck Steering Committee and Work Group.

(1) The Administrator for the Motor Carrier Division will establish a Tow Truck Steering Committee and Work Group to provide advisory information and input.

(2) The Work Group will meet on a quarterly basis or as needed to review policies and procedures.

R909-19-20. Annual Review of Rates, Fees and Certification Process.

(1) The Tow Truck Steering Committee will meet on the 1st Tuesday in August on an annual basis to review rates, fees, tow truck motor carrier procedures and the certification process as outline in the Utah Regulations for Towing Operations and Certification Manual.

(2) An annual report will be issued by the committee and will be made available at the department's main office, and on the internet.

KEY: safety regulation, truck, towing, certification

October 2, 2001

41-6-101
41-6-102
41-6-104
53-1-106
53-8-105
63-38-3.2
72-9-601
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72-9-604
72-9-301
72-9-303
72-9-701
72-9-702
72-9-703

R994. Workforce Services, Workforce Information and Payment Services.

R994-404. Wage Freeze Following Workers' Compensation.

R994-404-101. General Definition.

The purpose of this provision is to extend the protection of the unemployment insurance program to individuals who, because of the period of illness or injury that was the result of a work related incident insured by a Workers' Compensation and Occupational Disease Program, may not have qualifying wages in the calendar quarters designated by the statute as the base period. The term "freezing of base period wages" comes from the ability to use employment and earnings from an earlier base period.

R994-404-102. Qualifying Elements to Use Wages Outside Normal Base Period.

(1) To be eligible to use wages from calendar quarters that began prior to the normal base period, all of the following elements must exist:

(a) the claimant must have been off work due to a job related illness or injury,

(b) the claimant must have filed for and been determined eligible to receive compensation for the illness or injury under a qualifying Workers' Compensation or Occupational Disease Program of the State of Utah or a Federal Program.

(c) the initial claim for unemployment insurance benefits must have been filed within 90 days after he was released:

(i) by his medical consultant to return to full time work (this does not include release to limited or light duty work), and

(ii) following a continuous period of sickness or injury; and

(d) the unemployment insurance claim must have been filed within 36 months of the week the covered injury or illness occurred.

(2) At the time the claimant is released from the doctor and reports to the Department to file an unemployment insurance claim, the claimant may elect to continue an existing claim or cancel the existing claim. If he cancels the existing claim, he may file a new claim using wages paid during the first four of the last five completed calendar quarters prior to the date of his illness or injury that caused the claimant to leave work and file for worker's compensation. If the claimant elects to continue the existing claim, it cannot later be canceled in favor of the wage freezing provisions even within the 90 days, nor will the wage freeze provisions apply to any subsequent claim. If a prior claim is canceled, no overpayment will be established even if payments have been made.

R994-404-103. 90-Day Filing Limitation.

(1) The 90 day time limitation for filing an unemployment insurance claim following an insured illness or injury means 90 calendar days after the claimant was released for full-time work by his doctor, not the end of the period of coverage under workers' compensation. Regardless of the day the claimant contacts the Department to file a claim, the effective date of the eligible claim must be within the 90 days. For example, if the 90th day falls on Wednesday and the claimant files a claim on Thursday, the effective date of the claim would be Sunday of that calendar week and would fall within the 90 day time limitation.

(2) Good Cause for Filing Beyond 90 Days.

Good cause may be established for filing beyond the 90 day period if there is substantial confusion as to the date the individual was released to return to work or the claimant was prevented from filing due to circumstances beyond his control. Returning to work immediately subsequent to receiving a medical release may establish good cause for filing beyond the 90 day period if there is no substantial delay between the time the employment ended and the filing of the claim. A lack of knowledge about the wage freeze provisions due to the claimant's failure to inquire or the employer's failure to provide information does not establish good cause for failure to file within the 90 day period.

R994-404-104. The Effective Date of the Claim.

The effective date of the claim for benefits shall be the Sunday of the week in which the claimant makes application for benefits. Although the Act provides for the protection of the benefit year, it does not extend coverage to the weeks that were not filed timely, in accordance with provisions of Subsection 35A-4-403(1)(a).

R994-404-105. Base Period Wages.

The claimant has only two options. He can file a claim using wages paid during the first four of the last five completed calendar quarters prior to the week he files a valid claim, or he can use those wages paid during the first four of the last five completed calendar quarters prior to the date of his illness or injury that caused the claimant to leave his work and file for workers' compensation.

KEY: unemployment compensation, workers' compensation
October 29, 2001 35A-4-404
Notice of Continuation May 29, 1997