

CHAPTER 4

CONSTRUCTION/DEMOLITION LANDFILL REGULATIONS

Section 1. In General.

(a) Authority: The authority for the rules and regulations promulgated in this chapter is the Wyoming Environmental Quality Act, W.S. 35-11-101 et seq.

(b) Applicability: This chapter governs construction/ demolition landfills.

(c) Objective: The objective of these rules and regulations is to set forth permit application requirements and to establish minimum standards for the location, design, construction, operation, monitoring, closure and post-closure maintenance of construction/demolition landfills.

(d) Severability: If any section or provision of these regulations, or the application of that section or provision to any person, situation, or circumstance is adjudged invalid for any reason, the adjudication does not affect any other section or provision of these regulations or the application of the adjudicated section or provision to any other person, situation or circumstance. The Environmental Quality Council declares that it would have adopted the valid portions and applications of these regulations without the invalid part, and to this end the provisions of these regulations are declared to be severable.

(e) Reserved.

(f) One-time or emergency disposal authorization: The one-time or emergency disposal authorization procedure described in Chapter 1, Section 5, will be considered for the land disposal of construction/demolition wastes.

Section 2. Construction/Demolition Landfill Application Requirements.

(a) Permit transition: The following rules concerning permit application submittals under Chapter 1, Section 2 will apply.

(i) For existing facilities:

(A) Existing facilities that have received wastes after the effective date of these regulations: The operator of any construction/demolition facility shall submit a renewal application, unless the operator elects to close the facility before January 1, 1992. The renewal application shall be submitted after January 1, 1990 as specified by the department, but no later than January 1, 1992.

(B) Existing facilities that have not received wastes after the effective date of these regulations: The operator may be required to submit a closure permit application upon request by the department. The department may request such an application whenever the department has reason to believe that health and safety hazards are present, there has been evidence of environmental contamination, or the facility does not comply with the location, monitoring, closure or post-closure standards.

(ii) For new facilities: The operator of any new facility shall submit a permit application in accordance with the permit application procedures specified in Chapter 1, Section 2 or Chapter 1, Section 5.

(iii) For closing facilities:

(A) Anticipated closure: The operator of a facility with a valid permit on the effective date of these regulations, or a valid permit or renewal permit issued under Section 2(b) or Section 2(c) of this chapter, shall submit a closure permit application to the department between 270 and 180 days prior to the anticipated facility closure.

(B) Unanticipated closure: In the event any solid waste disposal facility ceases operation, as determined by nonreceipt of solid wastes for any continuous nine month period, the facility operator shall provide written notification to the department no later than thirty (30) days after the end of such nine month period. This notification shall be accompanied by a closure permit application unless the department approves interim measures with delayed final closure for good cause upon application by the operator.

(iv) All construction/demolition landfills shall be subject to the standards contained in the Wyoming Solid Waste Management Rules and Regulations, 1975, until such time as they are permitted under Chapter 1, Section 2.

(b) Permit application requirements:

(i) All permit application forms shall be signed by the operator, the land owner and any real property lien holder of public record. All applications shall be signed by the operator under oath subject to penalty of perjury. All persons signing the application shall be duly authorized agents. The following persons are considered duly authorized agents:

(A) For a municipality, state, federal or other public agency, by the head of the agency or ranking elected official;

(B) For corporations, at least two principal officers;

(C) For a sole proprietorship or partnership, a proprietor or general partner, respectively.

(ii) The permit application shall contain a completed application form and the information required in this subsection.

(A) A written report shall be submitted containing the following information:

(I) The name, address and telephone number of the legal operator of the facility to whom the permit would be issued, and a listing of any administrative order, civil or administrative penalty assessment, bond forfeiture, misdemeanor or felony conviction, or court proceeding, for any violations of any local, state or federal law relating to environmental quality or criminal racketeering, in which the applicant (including any partners in a partnership or executive officers in any corporation, if the applicant is a partnership or corporation) has been or is currently involved;

(II) Name, address and telephone number of the solid waste manager. A description of the training and examination program, to be used by the operator to assure compliance with the requirements of Chapter 4, Section 5(c), shall be included. The description shall include a specific listing of the training courses and the required frequency of attendance of each course by the solid waste manager;

(III) Legal description of the property to be used as a disposal site. The complete legal description shall consist of a plat and legal description, monumented and signed in accordance with Wyoming statutes by a Wyoming licensed land surveyor;

(IV) A brief narrative describing the disposal facility. The narrative should include the size of the facility, the type of waste disposal activities that are planned (area fill, trench fill, special waste areas) and the type, amount and source of incoming waste. The narrative should also describe the service area of the disposal facility, facility access controls and restrictions, and waste screening procedures;

(V) A brief narrative confirming the proposed facility complies with applicable local land use or zoning requirements, including a brief description of any such requirements;

(VI) Information describing mineral ownership of the site, surface ownership of the site and all lands within one mile of the facility boundary;

(VII) Demonstration that the facility meets the minimum location standards specified in Section 3 of this chapter, where applicable.

(VIII) A summary description of available local geologic or hydrologic information, including copies of all available well logs for wells located within one mile of the proposed site. This description should include information on the depth to the uppermost groundwater, groundwater aquifer thickness and hydrologic properties, and the potentiometric surface. Supporting documentation such as well completion logs, geologic cross sections, soil boring lithologic logs, potentiometric surface maps and soil or groundwater testing data should be supplied as an appendix.

(IX) Any information known to the applicant that would limit the site's suitability as a construction/demolition landfill.

(X) A detailed description of the facility operating procedures, site design and construction methods. The description shall include the following information:

(1.) The source of wastes and the type and

quantity of waste (on a daily, weekly or monthly basis) that will be disposed at the facility;

(2.) Estimated site capacity and site life, including the calculations on which these estimates are based;

(3.) An evaluation of the facility's potential to impact surface and groundwater quality, based on the facility design and the hydrogeologic information required in subsection (b)(ii)(A)(VIII) of this section;

(4.) An evaluation of the availability of cover material sufficient to properly operate the facility through the closure period;

(5.) A description of fire and other emergency protection measures;

(6.) A description of the topsoil handling procedures to be used, including measures to be used to protect the piles from erosion;

(7.) A description of the signs that will be posted to identify the landfill and listing the information required in Section 4(c) of this chapter;

(8.) A description of the litter control program, if applicable, including; the frequency for litter collection for internal fences, perimeter roads and off-site areas, special operating procedures to be used during periods of high wind and a summary of any wind speed and direction data available for the local area;

(9.) Type and amount of equipment to be provided at the site for excavating, earth moving, spreading, compaction and other needs; the specific purpose for each piece of equipment and the source and procedure used to obtain backup equipment;

(10.) Any other information necessary to demonstrate compliance with the design, construction and operating standards specified in Section 4 and Section 5 of this chapter.

(XI) Any other information necessary to demon-

strate compliance with the monitoring standards specified in Section 6 of this chapter, when required.

(XII) A detailed descriptive statement of the closure/post-closure stage of landfill development, including the following information:

(1.) A description of the land use anticipated after closure;

(2.) The wording of the deed notice;

(3.) If the facility is open to the public, a copy of the notice of closure;

(4.) A description of the final soil cover, as well as methods used to revegetate the site;

(5.) The method used to divert surface water from the site during the post-closure period;

(6.) The methods by which surface erosion or water ponding problems will be corrected, including the frequency of planned inspections to discover such problems during the post-closure period;

(7.) The method by which the operator will maintain access restrictions to any closed facility;

(8.) Any other information necessary to demonstrate compliance with the closure/post-closure standards specified in Section 7 of this chapter.

(B) An original topographic map with a scale of 1:24,000 with the proposed facility location shown; an original USGS topographic map with a scale of 1:62,500 or other suitable topographic map may be submitted if a 1:24,000 map is unavailable;

(C) A map or aerial photograph of the area shall be submitted showing land ownership, land use and zoning within one mile of the disposal site. The map or photograph shall be of sufficient scale to show all city boundaries, each occupied dwelling house, schools, hospitals, industrial buildings, water wells, water courses, roads and other applicable details and shall indicate the general topography.

(D) A general facility plot plan at a scale not greater than 200 feet to the inch with maximum twenty foot contour intervals shall be submitted. The general facility plot plan shall at a minimum illustrate the following features:

(I) Facility boundaries including any buffer zones proposed between the solid waste boundary and the property boundary;

(II) Points of access;

(III) Locations of soil borings and groundwater monitoring wells, if applicable;

(IV) Locations of proposed trenches or area fill locations;

(V) Working area/perimeter fire lane;

(VI) Working area/perimeter fence location;

(E) Additional facility plot plans at the same scale as the general facility plot plan, shall be submitted as necessary to show orderly development and use of the facility through the life of the site. These plot plans shall at a minimum contain the following information:

(I) Excavation plans for development of trenches or preparation of area fill locations;

(II) Development of temporary surface water diversion structures which may be necessary to adequately control surface water run-on and run-off;

(III) Access to active waste disposal areas, including development of internal roads;

(IV) Cover stockpile locations;

(V) Topsoil storage locations;

(VI) Litter screen placement information, if applicable;

(VII) Other details pertinent to the development and use of the facility.

(F) As an alternative to subsection (b)(ii)(E) of this section, which requires site development plans to be supplied for the life of the site, the applicant may submit detailed site development plans containing information specified in subsection (b)(ii)(E) but covering only the first permit term.

(G) A map showing proposed final contours prepared at a scale no greater than 200 feet to the inch, with five foot contour intervals, shall be submitted.

(H) Cross sections and/or drawing details shall be submitted with sufficient specifications to describe:

(I) Internal litter catch screens or fences, if applicable;

(II) Working area/perimeter fencing;

(III) Access roads;

(IV) Trench or area fill method;

(V) Systems used for monitoring, collection, treatment and disposal of leachate, if required;

(VI) Groundwater monitoring well design;

(VII) Surface and subsurface drain systems to control run-on and run-off and/or inflow;

(VIII) Any other design details requested by the department.

(I) A record keeping log shall be maintained during the operating life and closure/post-closure maintenance period.

(c) Renewal application requirements:

(i) Renewal applications shall be submitted as required in Chapter 1, Section 2(e).

(A) Each renewal application submitted in accordance

with the requirements of subsection (a) of this section, shall include a compilation of previous permit application materials and supplemental information updated and revised as necessary to fulfill the information requirements specified in subsection (b) of this section, except for (b)(ii)(A)(VI), (b)(ii)(A)(VII) and (b)(ii)(A)(IX).

(B) Each renewal application submitted in accordance with the requirements of Chapter 1, Section 2(e)(ii) shall include a copy of the approved permit application or the previous approved renewal permit application, with drawings and narrative updated and revised as necessary to document the facility operation activities carried out during the previous permit periods. If such activities differ from those in the approved permit or previous approved renewal permit, the narrative should describe the minor changes and approved major amendments. The applicant has the option to submit copies of only the updated and revised portion of the previous application, if the revised and updated pages and drawings are appropriately numbered and dated to facilitate incorporation into the previous permit document.

(ii) All renewal applications shall contain the following information:

(A) Any necessary plan revisions for the upcoming permit renewal period. Any requests for approval of amendments which describe major changes in facility operation shall also be included;

(B) Detailed construction and operation specifications for the upcoming permit period, if such specifications were not included in an approved facility permit application submitted in accord with subsection (b)(ii)(D) of this section;

(C) Description of intermediate reclamation efforts, with evaluation of revegetation results;

(D) A description of steps taken to mitigate or correct practices that have resulted in past operational deficiencies.

(d) Closure permit application requirements:

(i) Closure permit applications shall be submitted as required in Section 2(a)(iii) of this chapter. A copy of the per-

tainent materials from the approved permit application or approved renewal permit application, revised and updated as necessary, may be used to fulfill requirements (F) through (J). Each closure permit application shall contain the following information:

(A) A narrative describing the site operating history including the dates of operation, the disposal methods used and the types and amounts of waste accepted;

(B) A general facility plot plan at a scale not greater than 200 feet to the inch illustrating past areas of waste deposition, estimated dates of fill and any other pertinent features;

(C) Data on site geology and hydrology as specified in subsection (b)(ii)(A)(VIII);

(D) A map of the site area as specified in subsection (b)(ii)(C) of this section;

(E) An evaluation of the facility's potential to impact surface water and groundwater quality, based on hydrogeologic information and the facility's design and operating history.

(F) General site information specified in subsections (b)(ii)(A)(I) through (b)(ii)(A)(III) of this section;

(G) Environmental monitoring system information specified in Section 6(b) of this chapter, if applicable;

(H) Closure/post-closure information specified in subsection (b)(ii)(A)(XIII) of this section;

(I) A final contour map specified in subsection (b)(ii)(G) of this section;

(J) Any supporting documentation listed in subsection (b)(ii)(H) of this section pertinent to the closure/post-closure phase.

(e) Permit terms:

(i) Construction/demolition landfill permits will be issued for a six year term.

(ii) Renewal permits for construction/demolition landfills will be issued for six year terms.

(iii) Closure permits will be issued for a minimum five year term. The closure permit period will extend until the department finds that the facility has been adequately stabilized and the environmental monitoring or control systems have demonstrated that the facility closure is protective of human health and the environment consistent with the purposes of the act.

(f) Financial assurance requirement: Any operator of a construction/demolition landfill subject to the financial assurance requirements of Chapter 7 shall provide adequate assurance of financial responsibility as specified therein, prior to issuance of a permit by the department.

Section 3. Location Standards.

(a) Applicability: New construction/demolition landfills and lateral expansions of existing construction/demolition landfills shall not be located in violation of the standards described in this section.

(b) Local zoning ordinances: Facility locations shall not conflict with local zoning ordinances or land use plans adopted by a county commission or municipality.

(c) Distance to residences and other buildings: Except upon a variance granted by the Environmental Quality Council in accord with W.S. 35-11-502(c), no facility greater than one (1) acre in size shall be located between 1,000 feet and one (1) mile of a public school except with the written consent of the school district board of trustees, or between 1,000 feet and one (1) mile of an occupied dwelling house except with the written consent of the owner. Additionally, facilities of any size shall not be located within 1,000 feet of any occupied dwelling house, school or hospital, and shall not be located within 300 feet of any building unless provisions have been made for protection from methane gas accumulation.

(d) Distance to roads and parks:

(i) Except upon a variance granted by the Environmental Quality Council in accord with W.S. 35-11-502(c), no facility

greater than one (1) acre in size shall be located between 1,000 feet and one-half (1/2) mile of the center line of the right-of-way of a state or federal highway unless screened from view as approved by the department. Additionally, facilities of any size shall not be located within 1,000 feet of any interstate primary highway right-of-way, unless the facility is screened from view by natural objects, plantings, fences or other appropriate means, and is authorized by the state highway commission in accord with provisions of the Junkyard Control Act, W.S. 33-19-103 et seq.

(ii) Facilities shall not be located within 1,000 feet of any public park or recreation area unless the facility is screened from view by natural objects, plantings, fences or other appropriate means.

(e) Distance to drinking water sources: Except upon a variance granted by the Environmental Quality Council in accord with W.S. 35-11-502(c), no facility greater than one (1) acre in size shall be located between 1,000 feet and one-half (1/2) mile of a water well permitted or certificated for domestic or stock watering purposes except with written consent of the owner of the permit or certificate. Additionally, facilities of any size shall not be located within 1,000 feet of any drinking water source such as a well or surface water intake.

(f) Distance to other surface waters:

(i) Facilities shall not be located within 500 feet of any perennial lake or pond, unless the applicant can adequately demonstrate to the department that the facility will not affect the lake or pond.

(ii) Facilities shall not be located within 300 feet of any perennial river or stream, unless the applicant can adequately demonstrate to the department that the facility will not affect the river or stream.

(g) Floodplains: Facilities shall not be located within the boundaries of a 100-year floodplain.

(h) Wetlands: Facilities shall not be located in wetlands.

(i) Wild and Scenic Rivers Act: Facility locations shall not diminish the scenic, recreational and fish and wildlife values for any section of river designated for protection under the Wild and

Scenic Rivers Act, 16 USC 1271 et seq., and implementing regulations.

(j) National Historic Preservation Act: Facilities shall not be located in areas where they may pose a threat to an irreplaceable historic or archeological site listed pursuant to the National Historic Preservation Act, 16 USC 470 et seq. and implementing regulations, or to a natural landmark designated by the National Park Service.

(k) Endangered Species Act: Facilities shall not be located within a critical habitat of an endangered or threatened species listed pursuant to the Endangered Species Act, 16 USC 1531 et seq., and implementing regulations, where the facility may cause destruction or adverse modification of the critical habitat, may jeopardize the continued existence of endangered or threatened species or contribute to the taking of such species.

(l) Big game winter range/grouse breeding grounds: Facilities shall not be located within critical winter ranges for big game or breeding grounds for grouse, unless after consultation with the Wyoming Game and Fish Department, the director determines that facility development would not conflict with the conservation of Wyoming's wildlife resources.

(m) Hydrogeologic conditions: Facilities shall not be located in an area where the department, after investigation by the applicant, finds that there is reasonable probability that solid waste disposal will have a detrimental affect on surface water or groundwater quality.

(n) Dust, odor and nuisance potential: Facilities shall not be located in an area determined by the department to present a dust, odor or public nuisance potential, unless the facility operating plans required by Section 5 of this chapter specifically address appropriate control of the potential problems.

(o) Distance from incorporated cities or towns: Except upon a variance granted by the Environmental Quality Council in accord with W.S. 35-11-502(c), no facility greater than one (1) acre in size shall be located within one (1) mile of the boundaries of an incorporated city or town.

(p) Compliance with other standards: Facilities which are also subject to regulation under Chapter 6 of these rules and regu-

lations shall not be located in violation of the standards in that chapter.

Section 4. Design and Construction Standards: Each facility shall be designed and constructed in compliance with the standards listed in this section.

(a) Surveyed corners: All site boundary corners shall be surveyed and marked with permanent survey caps.

(b) Access restrictions:

(i) The working area of all facilities shall be fenced in such a manner as to discourage people and livestock from entering the facility and to contain a majority of litter within the facility:

(A) Additional fencing may be required to restrict access to reclaimed areas or other areas that may present public health and safety hazards;

(B) If the facility is located on property which already has a restrictive perimeter fence, the requirement for a perimeter fence around the landfill may be waived. Additional fencing (i.e. litter collection fences) may still be required.

(ii) If the public has access to the facility, any access roads shall be equipped with a gate which can be locked when the facility is unattended.

(c) Posting standards: If the facility is open to the public, each point of access shall be identified by a sign, which shall be easily readable, maintained in good condition and which contains at a minimum the following information:

(i) For facilities not open to the public:

(A) Identification of the facility as a solid waste landfill.

(B) Wastes accepted for disposal at the facility.

(ii) For public facilities:

(A) The facility name;

(B) The name and phone number of the responsible person to contact in the event of emergencies;

(C) The hours of operation;

(D) Wastes accepted for disposal at the facility;

(E) Identification of the facility as a public facility;

(F) A Requirement to notify the landfill operator of any asbestos wastes.

(d) Access road standards: Facility access roads shall be constructed to enable use under inclement weather conditions.

(e) Firelanes: All facilities shall have a fire lane which is a minimum of 10 feet wide around the active disposal area and within the working area/perimeter fence.

(f) Topsoil standards: Topsoil from all disturbed areas shall be stripped and stockpiled in an area which will not be disturbed during facility operation. Topsoil stockpiles shall be located such that they will not be disturbed by future operation of the landfill, until needed for reclamation purposes. These stockpiles shall be identified by signs, and vegetated as required for stabilization. This topsoil will be used for site reclamation. Topsoil shall not be removed from the facility without written authorization from the department.

(g) Structural stability: Engineering measures shall be incorporated into the landfill design to insure stability of structural components in unstable areas and seismic impact zones.

(h) Surface water run-off designs: Surface water diversion structures such as berms and ditches shall be properly sized to accommodate:

(i) A 25-year, 24-hour event for temporary structures anticipated to be used for periods less than 5 years;

(ii) A 100-year, 24-hour event for structures anticipated to be used for five years or longer.

(i) Slope stability for excavations: Trench wall slopes shall not exceed a ratio of 1:1 (horizontal:vertical) unless a slope stability analysis demonstrates steeper slopes can be safely constructed and maintained. This analysis may be based on site specific soil stability calculations, or Wyoming Occupational Safety and Health Administration regulations for excavations, or on the operator's previous excavation experience in this locality.

(j) Litter control: Litter control measures will include provisions for litter catch screens and any other additional controls necessary to prevent the facility from becoming unsightly.

(k) Buffer zones: A buffer zone of at least 20 feet shall be maintained within the perimeter of each facility to allow proper reclamation.

(l) Control of active area: The facility shall be designed to limit dumping to the smallest practical area. Signs or other physical dumping barriers shall be available to direct dumping to the proper area, or the facility attendant shall assure that dumping is adequately defined.

(m) Storage and treatment standards: All facilities shall comply with minimum standards in Chapter 6 if applicable.

Section 5. Operating Standards. All facilities shall be operated in accordance with the standards described in this section.

(a) Litter control: If the department deems necessary, each facility shall maintain routine litter collection programs to eliminate unsightly conditions. These routine programs shall take place both within the landfill perimeter, as well as off-site, where necessary. Special operating practices may be required for use during high wind periods.

(b) Equipment/standby equipment: All facilities shall have access to equipment that is adequate to deposit, compact and cover refuse. The operator shall demonstrate that adequate standby equipment is available to insure compliance with the compaction and covering requirements of these rules and regulations.

(c) Management and technical capabilities of the solid waste manager; qualified manager required:

(i) Each operator shall assure that the facility is operated by personnel who meet the requirements of paragraph (c)(ii) of this section. The operator shall maintain records which document the training and examination of facility personnel. These records shall be available for inspection by the department.

(ii) Each solid waste manager shall:

(A) Possess a complete working knowledge of the solid waste management facility operational plan. For any facility which is operated in compliance, the solid waste manager's working knowledge shall be presumed to be adequate. For any facility which is being constructed or operated out of compliance, the solid waste manager may be required to demonstrate working knowledge of the plan to the department by written or oral examination. This demonstration shall be conducted:

(I) For any new solid waste manager, no later than six months following assumption of responsibility for operating a facility, or

(II) For any existing solid waste manager, no later than six months following the date the facility is permitted under this chapter.

(B) Attend the classroom or field training program described in the approved plan. For any facility operated in compliance, the personnel training program shall be presumed to be adequate. For any facility which is being constructed or operated out of compliance, the department may disapprove the training program described in the plan and require the operator to submit a revised training program within thirty (30) days for approval by the department.

(C) Attend any training course sponsored by the department, which the department requires to provide training on changes to state or federal solid waste rules or guidelines. For any such mandatory training course, the department shall provide each operator with a minimum of ninety (90) days notice prior to the scheduled training course.

(iii) Each facility subject to the permitting requirements of this chapter shall employ a solid waste manager meeting the requirements of the approved plan, who may be the operator. In

the event that a qualified solid waste manager terminates employment for any reason, the operator shall designate a new solid waste manager who meets the requirements of the approved plan, within six months of such termination.

(d) Cover frequency: All facilities, with the exception of those described in (d)(i) and (d)(ii) of this section, shall be required to cover refuse with at least six inches (6") of uniformly compacted soil cover material at least monthly, or more frequently if required by the department.

(i) Construction/demolition landfills which receive less than twenty (20) cubic yards of refuse in any calendar month may instead be covered with at least six inches (6") of uniformly compacted soil material whenever the waste on the working face reaches a depth of three (3) feet.

(ii) Alternate types of cover material and associated cover depths may be approved by the department. Alternative covering schemes should be appropriate to control infiltration, fires, litter, odor and disease vectors such as insects and rodents.

(e) Confine working face: Facilities open to the public may be accessed only during the facility's posted operating hours. Facilities that are not open to the public shall either have an on-site attendant during operation of the facility or submit a plan to the department describing a waste screening procedure which would assure disposal of authorized wastes only.

(f) Control access to facility: If the facility is open to the public, access shall be prohibited at any time other than the facility's posted operating hours.

(g) Surface water restrictions: Facilities shall not be operated so that standing or running water comes into contact with refuse. All facilities shall take adequate measures to prevent and/or alleviate ponding of water over filled areas. Surfaces shall be graded to promote lateral surface water runoff.

(h) No burning: No open burning of solid waste is allowed, with the exception of clean wood, tree trimmings and/or brush; this exception is valid only when the operator has obtained a permit from the Air Quality Division.

(i) Fire protection and other emergency protection measures: Facilities shall maintain, at a minimum, an unobstructed 10 foot

firelane within the working area fence or perimeter fence. The landfill personnel shall have access to portable fire extinguishers when on-site. Depending on the facility location, personnel may be required to have a communication system (radio, telephone, etc.) with which to alert the local fire department.

(j) Liquid wastes: No construction/demolition landfill is permitted to accept liquid wastes.

(k) Hazardous wastes: No construction/demolition landfill is permitted to accept hazardous wastes.

(l) Salvaging: Salvaging, if permitted, shall be conducted in such a manner as not to interfere with normal operations.

(m) Solid waste compaction: All solid waste shall be effectively compacted in order to reduce long term settling and conserve landfill space.

(n) Operator shall have copy of plan: The operator shall have a copy of the operating plan available at the facility when landfill personnel are on-site. In addition, the operator shall have available a contact list of names and telephone numbers of pertinent department staff members, the local fire department and any salvage or recycling company used by the facility.

(o) Intermediate cover: For any area where wastes will not be disposed for a period of 180 days, that area shall be covered with the required 6 inches of cover material and an additional 12 inches of intermediate cover.

(p) Phased reclamation: All completed refuse fill areas shall be promptly reclaimed with final cover, topsoil and revegetation in order to stabilize the landfill surface and reduce the potential for leachate generation.

(q) Vector control: On-site populations of disease vectors shall be prevented or controlled using techniques appropriate for the protection of human health and the environment.

(r) Dust/odor/nuisance control: Adequate measures shall be taken to minimize dust and odors, and to prevent the occurrence of any public nuisance.

(s) Contact with groundwater prohibited: Wastes shall not be

allowed to be placed in contact with groundwater.

(t) Traffic control: If the facility is open to the public, signs shall be posted to direct traffic to the proper area for dumping.

(u) Groundwater quality: Solid waste disposal facilities shall not be allowed to alter groundwater quality, as determined by groundwater monitoring.

(v) No discharge to surface waters: Facilities shall be operated such that leachate is not allowed to enter any surface water, either on-site or off-site, unless authorized by a National Pollutant Discharge Elimination System (NPDES) permit pursuant to the Clean Water Act.

(w) Recordkeeping standards: Each operator shall have the following records available at the facility when landfill personnel are on-site as specified by Chapter 1, Section 1(g):

(i) Log of litter collection activities including dates and sites of litter collection and names of responsible personnel, if applicable.

(ii) Log of refuse compaction and covering procedures specifying the dates on which compaction and covering operations were conducted, areas compacted and covered, and names of responsible personnel;

(iii) Length, width, depth and location of trenches, as well as boundaries;

(iv) Completion dates and contents of trenches;

(v) Monitoring data as required by Section 6;

(vi) Records of salvaged wastes;

(vii) Record of any problems causing operations to cease, including but not limited to fire or equipment failure;

(viii) Copy of the department permit letter;

(ix) Dates when reclamation activities take place.

(x) Special waste standards: Facilities at which special wastes (subject to the requirements of Chapter 8) are received shall manage those wastes in compliance with the operating standards of Chapter 8.

(y) Waste treatment and storage requirements: Facilities at which solid wastes are stored or treated in quantities which are subject to the requirements of Chapter 6 shall comply with the operating standards of that chapter.

Section 6. Monitoring Standards. All facilities required to institute monitoring shall meet the standards described in this section.

(a) Handling and storage of samples: Groundwater and soil samples shall be collected and stored in accordance with Department of Environmental Quality/Water Quality Division requirements.

(b) Groundwater:

(i) Well placement: All facilities required to install monitoring wells shall place them in accordance with the department's requirements. Following initial placement of the wells, the operator shall confirm that the wells are capable of measuring groundwater quality representative of conditions hydraulically upgradient and downgradient of the solid waste disposal facility.

(ii) Well design, construction/installation and abandonment: All wells shall be designed, constructed and installed in accordance with the Water Quality Division Chapter XI requirements. All abandoned monitoring wells shall be plugged and sealed in accordance with the Water Quality Division Chapter XI requirements.

(iii) Permits required: Prior to well installation, the monitoring well design, construction and location specifications shall be approved by the department. A construction permit under Chapter III of the Water Quality Division rules and regulations is not required. All monitoring wells shall be permitted by the Wyoming State Engineer's Office.

(iv) Analyses: Baseline, routine and detection monitoring will be specified by the department on a case-by-case basis.

Section 7. Closure and Post-Closure Standards. All facili-

ties shall be closed in accordance with the standards described in this section, as well as the requirements of Chapter 1, Section 2(g).

(a) Post-closure land use: All sites shall be returned to the use specified in the permit, following closure of the facility.

(b) Length of post-closure period: The post-closure period for construction/demolition landfills shall extend for a period of not less than five (5) years after completion of closure activities. Following this initial minimum period, the post-closure period shall be automatically extended until such time when the director determines, upon petition by the operator accompanied by submission of relevant information, that the facility has been adequately stabilized in a manner protective of human health and the environment.

(c) Notice on deed: At closure, an instrument which clearly gives notice of the use of the property as a construction/demolition landfill shall be filed in the county where the facility is located. Wording of such an instrument shall indicate that the property has been used as a solid waste disposal facility. This shall be recorded prior to any property transaction resulting in another use for the property.

(d) Posted notification for public: If the facility is open to the public, the operator shall arrange for notice of closure to be published in an area newspaper as well as posted at all facility access points.

(e) Minimum period for maintenance of access restriction: The operator shall not remove the facility's fence, gates and any other restrictions until the site has been closed and revegetated, if post-closure land use requires establishment of vegetative cover. Post-closure maintenance activities will be required for a minimum of 5 years.

(f) Prevention of erosion or ponding problems: For closure to be satisfactory, the site shall be engineered to inhibit future problems with erosion or ponding of surface water over filled areas. This may be done by site grading and revegetation, emplacement of rip rap or other appropriate means.

(g) Minimum thickness of subsoil and topsoil for final cover: For closure, a compacted layer of subsoil, or a combination of

materials as specified in the permit, at least two feet (2') thick shall be constructed over the refuse or any intermediate cover already in place. This compacted layer shall be covered with at least six inches (6") of topsoil and graded to prevent erosion or surface water ponding.

(h) Seeding specifications: Any portion of the site disturbed by solid waste disposal activities shall be reseeded consistent with the post-closure land use, in order to establish vegetation capable of minimizing wind and water erosion of the final cover. Vegetation shall be of a diverse mixture selected for compatibility with climatic conditions, require little maintenance and have root depths that will not exceed the depth of the final cover.

(i) Commencement of closure: Closure activities as specified in this section and in the approved facility closure plan shall commence at a time no later than nine months following the time the facility ceases to receive solid wastes. Closure shall be promptly completed within twelve (12) months following commencement of closure activities unless the department approves interim measures with delayed final closure for good cause upon application by the operator.

(j) Surveyed corners: If not accomplished previously, all site boundary corners shall be surveyed and marked with permanent survey caps upon facility closure.

(k) Surface water diversion: Surface water diversion structures at any site shall be maintained in operating condition throughout the closure/post-closure period.

(l) Maintenance of environmental monitoring systems: The operator shall maintain all environmental monitoring systems for the length of the closure/post-closure period.

(m) Maintenance of corrective action systems: The operator shall respond to any pollution problem reasonably related to the facility's activities. The system shall be maintained for the length of the closure/post-closure period.

(n) Compliance with other standards: Each facility subject to the requirements of Chapter 6, 7, and/or 8 shall close, and maintain during the post-closure period in compliance with the requirements of those chapters, if applicable.