



South Carolina Department of Health  
and Environmental Control

## **Regulation 61-107.11**

# **SWM: Construction, Demolition, and Land-Clearing Debris Landfills**

**Effective Date: April 24, 1998**

**Bureau of Land & Waste Management  
Division of Mining & Solid Waste Management  
2600 Bull Street  
Columbia, SC 29201**

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DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
CHAPTER 61

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**R. 61-107.11. Solid Waste Management: Construction, Demolition and Land-Clearing Debris Landfills.**

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**A. Applicability.**

1. This regulation establishes minimum standards for the site selection, design, operation, and closure of construction, demolition and land-clearing debris landfills as follows:

a. Part I outlines the requirements for small, short-term construction, demolition and land-clearing debris landfills to be used for structural fill, with a limited waste stream, and with a specified facility life;

b. Part II outlines General Permitting requirements for the disposal of trees, stumps, wood chips, i.e., land-clearing debris, and yard trash to be used for structural fill;

c. Part III outlines the permit-by-rule requirements for the disposal of construction, demolition, and land-clearing debris when the landfill has controlled access and serves a permanently located utility facility or manufacturing firm, such as those listed in the South Carolina Industrial Directory; and,

d. Part IV outlines the requirements for long-term sites, i.e., all other construction, demolition and land-clearing debris landfills not addressed in Parts I, II or III.

2. Landfills for the disposal only of trees, stumps, wood chips, and yard trash when generation and disposal of such waste occurs on properties under the same ownership or control are exempt from the requirements of this regulation.

3. Landfills used solely for disposal of industrial process solid waste generated in the course of normal operations on property under the same ownership or control as the landfill are exempt from the requirements of this regulation.

4. Land-clearing debris generated from agricultural or silvicultural operations generated and disposed on site are not subject to the requirements of this regulation.

5. When only hardened concrete, brick, and block, that have not been in direct contact with hazardous constituents (e.g., pesticides, etc.), petroleum products, or painted with lead-based paint, are used for structural fill in the construction of a foundation for a building project in progress, the activity is exempt from the requirements of this regulation.

## **B. Definitions.**

1. "Closure" means the discontinuance of operation by ceasing to accept, treat, store, or dispose of solid waste in a manner which minimizes the need for further maintenance and protects human health and the environment.

2. "Construction" means any physical modification to the site at which a potential or proposed solid waste management facility is to be located including, but not limited to, site preparation, clearing, grading, excavation, construction of buildings, installation of liners, etc.

3. "Construction and demolition debris" means discarded solid wastes resulting from construction, remodeling, repair and demolition of structures, road building, and land-clearing. The wastes include, but are not limited to, bricks, concrete, and other masonry materials, soil, rock, lumber, road spoils, paving material, and tree and brush stumps, but does not include solid waste from agricultural or silvicultural operations.

4. "Contingency plan" means a document acceptable to the Department setting out an organized, planned, and coordinated course of action to be followed at or by the facility in case of a fire, explosion, or other incident that could threaten human health and safety or the environment.

5. "Cover" means soil or other suitable material, or both, acceptable to the Department that is used to cover compacted solid waste in a land disposal site.
6. "Department" means the South Carolina Department of Health and Environmental Control.
7. "Disclosure statement" means a sworn statement or affirmation, the form and content of which shall be determined by the Department in accordance with Section 44-96-300.
8. "Disposal" means the discharge, deposition, injection, dumping, spilling, or placing of any solid waste into or on any land or water, so that the substance or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including groundwater.
9. "Facility" means all contiguous land, structures, other appurtenances and improvements on the land used for treating, storing, or disposing of solid waste. A facility may consist of several treatment, storage, or disposal operational units, including, but not limited to, one or more landfills, surface impoundments, or combination thereof.
10. "Financial responsibility mechanism" means a mechanism designed to demonstrate that sufficient funds will be available to meet specific environmental protection needs of solid waste management facilities. Available financial responsibility mechanisms include, but are not limited to insurance, trust funds, surety bonds, letters of credit, personal bonds, certificates of deposit, financial test, and corporate guarantees as determined by the Department by regulation.
11. "Groundwater" means water beneath the land surface in the saturated zone.
12. "Hazardous waste" has the meaning provided in Section 44-56-20 of the South Carolina Hazardous Waste Management Act.
13. "Landfill" means a disposal facility or part of a facility where solid waste is placed in or on land, and which is not a land treatment facility, a surface impoundment, or an injection well.
14. "Land-clearing debris" means solid waste which is generated solely from land-clearing activities, but does not include solid waste from agricultural or silvicultural operations.
15. "Local government" means a county, any municipality located wholly or partly within the county, and any other political subdivision located wholly or partly within the county when such political subdivision provides solid waste management services.
16. "Open dumping" means any unpermitted solid waste disposal activity.
17. "Permit" means the process by which the Department can ensure cognizance of, as well as control over, the management of solid wastes.
18. "Person" means an individual, corporation, company, association, partnership, unit of local government, state agency, federal agency, or other legal entity.
19. "Region" means a group of counties in South Carolina which is planning to or has prepared, approved, and submitted a regional Solid Waste Management Plan to the Department pursuant to Code Section 44-96-80.

20. "Special wastes" has the same meaning as that term is defined in Code Section 44-96-390(A).

21. "Structural fill" means land filling for a projected beneficial end use utilizing acceptable construction and demolition debris and/or land-clearing debris.

22. "Surface water bodies" mean lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic Ocean within territorial limits, and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private, excluding drainage ditches, sedimentation ponds and other operational features on the site.

23. "Vector" means a carrier that is capable of transmitting a pathogen from one organism to another including, but not limited to flies and other insects, rodents, birds, and vermin.

24. "Yard trash", i.e., yard waste, means solid waste consisting solely of vegetative matter resulting from landscaping maintenance.

**C. Severability.** Should any regulation, paragraph, sentence, clause or phrase of this regulation be declared unconstitutional or invalid for any reason, the remainder of this regulation shall not be affected thereby.

## **Part I. Small, Short-term Construction, Demolition and Land-Clearing Debris Landfills.**

### **A. General Provisions.**

1. A Short-Term Construction, Demolition, and Land-Clearing Debris Landfill Permit, herein after known as a "Short-Term Landfill Permit", may be issued per tract of land and no less than five hundred (500) feet from a present or former short-term construction, demolition, and land-clearing debris landfill if the site will:

a. Provide structural fill of areas. For the purpose of this subsection, "structural fill" means landfilling for future beneficial use utilizing land-clearing debris, hardened concrete, hardened/cured asphalt, bricks, and blocks, compacted and landfilled in a manner acceptable to the Department, i.e., filling an existing low area to grade, consistent with applicable engineering and construction standards and carried out as a part of normal activities associated with construction, demolition, and land-clearing operations; however, the materials utilized must not have been in direct contact with hazardous constituents, petroleum products, or painted with lead-based paint;

b. Have a proposed life of twelve (12) months or less;

c. Occupy one (1) acre in size or less;

d. Receive only those items listed below that have not been in direct contact with hazardous constituents (e.g., pesticides, etc.), petroleum products, or painted with lead-based paint:

(1) land-clearing debris;

(2) hardened concrete;

(3) hardened/cured asphalt;

(4) bricks; and,

(5) blocks;

e. Be consistent with the South Carolina Coastal Zone Management Plan if the landfill is located in the coastal zone as defined by Ocean and Coastal Resources Management; and,

f. Adhere to all Federal and State rules and regulations, and all local zoning, land use, and other applicable ordinances and laws.

2. Landfills for the disposal only of trees, stumps, wood chips, and yard trash when generation and disposal of such waste occurs on properties under the same ownership or control are exempt from the requirements of this regulation.

3. Upon notification by the Department that a landfill poses an actual or potential threat to human health or the environment, the owner/operator shall implement a corrective action program approved by the Department.

4. Open dumping of construction, demolition and/or land-clearing debris, is prohibited.

### **B. Permit Application Requirements for Short-Term Landfill Permit.**

1. Prior to the construction, operation, expansion or modification of a short-term landfill, a permit shall be obtained from the Department.

2. The siting, design, construction, operation, and closure activities of short-term landfills shall conform to the standards set forth in this Part.

3. Any person wishing to obtain a short-term permit for a landfill shall submit to the Department two (2) copies of the following documents:

a. A completed permit application on a form provided by the Department and all information requested on that form;

b. A current tax map showing the location of the proposed landfill.

c. Data to indicate the location of the seasonal high water table in relation to the bottom elevation of the disposal area;

d. A current county map with the location of the proposed landfill marked;

e. A letter of proof of proper zoning from the county or city;

f. A letter from Ocean and Coastal Resources Management (OCRM) stating that the project is consistent with the South Carolina Coastal Zone Management Plan if the proposed landfill is located in the coastal zone as defined in accordance with the Coastal Zone Management Act;

g. A site plan on a scale of not greater than two hundred (200) feet per inch. This plan shall at a minimum identify the following:

(1) Property boundaries, footprint of the landfill, location of any buildings, fences, gates, entrances, exits, and access roads;

(2) Land use within one-fourth (3) mile of the proposed site's boundaries to include the location of all homes, schools, hospitals, publicly owned recreational park areas, drinking water wells, and roads;

(3) Location of surface water bodies, dry runs, wetlands, the location of the 100-year flood plain boundaries, and other applicable details regarding the general topography of the landfill site and adjacent properties within one-fourth (3) mile of the disposal area; and,

(4) Depth of the disposal area and proposed final elevations, in a cross-sectional view;

h. General operating information on the proposed facility including the following:

(1) The expected life of the facility;

(2) The maximum volume of solid waste the facility will be capable of receiving over the operational life of the facility;

(3) The frequency at which the facility will receive that waste during the designed life of the facility;

- (4) The source and description of cover material to be used;
- (5) The frequency of covering (at least monthly); and,
- (6) An explanation of how the cover will be applied; and,

**C. Design Criteria for Short-Term Landfills.**

1. The site for the facility shall meet the following standards, unless otherwise approved by the Department:

a. A landfill located in a 100-year floodplain shall demonstrate that the landfill will not restrict the flow of the 100-year flood;

b. A landfill shall be in compliance with the U. S. Army Corps of Engineers and the U. S. Environmental Protection Agency requirements concerning wetlands;

c. Access to the landfill shall be controlled through the use of fences, gates, berms, natural barriers, or other means to prevent promiscuous dumping and unauthorized access;

d. The waste disposal boundary of the landfill shall not be located within one hundred (100) feet of any property line. Variances may be requested and granted on a case-by-case basis upon submittal of written consent from the adjacent landowner(s);

e. The waste disposal boundary of the landfill shall not be located within two hundred (200) feet of any residence, school, day-care center, hospital or publicly owned recreational park area;

f. The waste disposal boundary of the landfill shall not be located within two hundred (200) feet of any surface water body which holds visible water for greater than six (6) consecutive months, excluding ditches, sedimentation ponds, and other operational features on the site;

g. The waste disposal boundary of the landfill shall not be located within one hundred (100) feet of any drinking water well;

h. Waste material shall not be placed on or within fifty (50) feet of underground or above ground utility equipment or structures, i.e., water lines, sewer lines, storm drains, telephone lines, electric lines, etc., without the written approval of the impacted utility.

i. The bottom elevation of the landfill shall be a minimum of two (2) feet above seasonal high water table as it exists prior to construction of the disposal area. The seasonal high water table shall be determined based on interpretation of the data from three (3) hand auger borings at least three (3) inches in diameter to a depth of five (5) feet. These holes shall be bored at the lowest point in the disposal area, and at two (2) other points in the disposal area. The borings shall be covered and allowed to stand for twenty-four (24) hours. The water level in the borings shall be verified by Department personnel;

j. Landfills shall be adjacent to or have direct access to roads which are of all weather construction and capable of withstanding anticipated load limits; and,

2. Drainage control requirements. The disposal area shall be graded with a minimum of 1% slope so as to divert and minimize run-off into the disposal area of the landfill, to prevent erosion and ponding within the disposal area, and to drain water from the surface of the landfill.



3. Procedures shall be established for maintaining conditions that are unfavorable for the habitation and production of insects and rodents.

**D. Operation Criteria.** The following operational requirements shall apply to all short-term landfills unless otherwise approved by the Department:

1. The landfill shall accept only those waste items listed below that have not been painted with lead-based paint, and have not been in direct contact with hazardous constituents (e.g., pesticides, etc.), or petroleum products:

- a. Land-clearing debris;
- b. Hardened concrete;
- c. Hardened/cured asphalt;
- d. Bricks; and,
- e. Blocks.

2. The landfill shall have an attendant on duty any time the facility is open to accept waste.

3. Unauthorized wastes shall be removed from the landfill site to an approved facility within forty-eight (48) hours of receipt.

4. The disposal area shall be staked prior to receipt of wastes, and the stakes shall remain for the life of the facility.

5. The unloading of solid waste intended for structural fill shall be restricted to the working face of the landfill.

6. The working face of the landfill shall be confined to as small an area as the equipment can safely and efficiently operate. The slope shall not exceed thirty three percent (33%).

7. The waste shall be compacted and a cover consisting of a uniform layer of soil or other suitable material, or both, acceptable to the Department, no less than six (6) inches in depth shall be used to cover all exposed waste material at least monthly.

8. Open burning at landfills shall be prohibited.

9. The facility shall be maintained and operated in a manner which will protect the established water quality standards of the surface waters and ground waters.

10. Dust, odors, fire hazards, litter and vectors shall be effectively controlled so they do not constitute nuisances or hazards.

**E. Reporting Requirements.** Short-term landfills shall submit in a format approved by the Department an annual report for each fiscal year during which the landfill receives wastes. The fiscal year begins on July 1 and ends on June 30. This report shall be submitted to the Department on or before October 15th and shall identify the actual weight or volume in cubic yards of wastes received per month at the short-term landfill.

**F. Closure.**

1. Within twelve (12) months of issuance of the permit, the owner/operator of the landfill shall:
  - a. Post signs at the landfill that state the facility is no longer in operation;
  - b. Apply a two (2) foot thick final earth cover with at least a 1% but not greater than 4% surface slope, graded to promote positive drainage. The side slope cover shall not exceed three (3) horizontal feet to one (1) vertical foot, i.e., a 3:1 slope;
  - c. Seed the finished surface of the disposal area with native grasses or other suitable ground cover to establish a minimum of seventy-five percent (75%) permanent vegetative cover with no substantial bare spots; and,
  - d. Submit to the Department written notification that the landfill has been properly closed in accordance with the requirements outlined in this regulation. Upon the Department's verification of proper closure, the Department's permit for this facility shall be terminated;
2. Within thirty (30) days of the Department's verification of proper closure, the owner/operator shall:
  - a. Submit to the local zoning authority, or the authority with jurisdiction over local land use, and to the Department a plat showing the final boundaries of the disposal area of the closed landfill including the latitude and longitude, and a record of the type, location, and quantity of solid wastes disposed at the facility;
  - b. Record a notation on the deed to the facility property - or on some other instrument which is normally examined during title search - that will in perpetuity notify any potential purchaser of the property that the land or a portion thereof, has been used for the disposal of solid waste; and,
  - c. Submit to the Department a copy of the document in which the notation required by Item 2.b. above has been placed.
3. If environmental problems associated with the landfill are detected and confirmed by the Department, the owner/operator shall submit for Department review and approval, a corrective action plan and a schedule of compliance for implementing the plan.

**G. Violations and Penalties.**

1. Should the Department detect environmental and/or health problems associated with any short-term landfill, monitoring (including groundwater, surface water, and air quality monitoring) may be required by the Department, as appropriate, and based on a case by case evaluation to ensure protection of the environment.
2. A violation of this regulation or violation of any permit, order, or standard subjects the person to the issuance of a Department order, or to civil or criminal enforcement action in accordance with Code Section 44-96-450. In addition, the Department may impose reasonable civil penalties not to exceed ten thousand dollars (\$10,000.00) for each day of violation of the provisions of this regulation, including violation of any order, permit or standard. A person to whom an order is issued may appeal it as a contested case pursuant to R.61-72 and the Administrative Procedures Act.

## **Part II. General Permitting for the Disposal of Land-Clearing Debris and Yard Trash.**

### **A. General Provisions.**

1. The Department may issue a general permit for solid waste landfills used solely for the disposal of trees, stumps, wood chips, and yard trash which is generated from land-clearing activities, excluding agricultural and silvicultural operations when generation and disposal are on site. These landfills shall be limited to structural fill with a projected beneficial end use.

2. The general permit shall, pursuant to Part IV of this regulation, outline the following:

- a. Submittal requirements;
- b. Design criteria;
- c. Operational criteria;
- d. Monitoring, if applicable; and,
- e. Closure and corrective action requirements, if applicable.

3. Counties and/or regions comprised of counties may, through the Region/County Solid Waste Management Plans, prohibit or limit the size of land-clearing debris landfills operating under the general permit.

4. A facility shall be covered under the State's general permit if it provides proper notification of intent to the Department as outlined in the general permit, and if constructed and operated in compliance with the requirements established by the permit and this regulation.

5. Owners/operators seeking coverage under the general permit shall submit to the Department a written Notice of Intent to be covered by the general permit on a form approved by the Department. The landfill shall not be placed into operation under the general permit until receipt of Department approval for operation under the general permit.

6. Upon notification by the Department that a landfill operating under the State's general permit poses an actual or potential threat to human health or the environment the owner/operator shall implement a corrective action program approved by the Department.

7. Open dumping of land-clearing debris is prohibited.

8. A facility's approval to operate under the general permit may be revoked for any of the following reasons:

- a. The facility fails to comply with the conditions of the general permit or the regulation;
- b. Circumstances have changed since the time of the request to be covered so that the owner/operator is no longer appropriately controlled under the general permit, or a temporary or permanent closure of the landfill is necessary;
- c. Standards for land-clearing debris landfills covered under the general permit have been promulgated; or,

d. Environmental and/or health problems associated with the landfill are detected by the Department.

9. When an individual solid waste landfill permit is issued to an owner/operator otherwise subject to the general permit, the applicability of the general permit to that landfill is automatically terminated on the effective date of the individual permit.

10. A landfill excluded from the general permit solely because it already has an individual landfill permit may request that the individual permit be revoked, and that the landfill be covered by the general permit. Upon revocation of the individual permit and approval of the Notice of Intent to operate under the general permit, the general permit shall apply to the landfill.

11. The general permit may be issued, modified, revoked and reissued, or terminated in accordance with applicable requirements of Part IV of this regulation.

12. Any general permit for disposal of solid waste issued by the Department shall be publicly noticed.

13. Any general permit shall be subject to the terms and conditions in this regulation.

14. Landfills operating under the general permit shall adhere to all Federal and State rules and regulations, and all local zoning, land use, and other applicable ordinances and laws.

#### **B. Notice of Intent.**

1. Prior to landfilling land-clearing debris under the State's general permit, the owner/operator shall submit to the Department a Notice of Intent on a form approved by the Department. This Notice shall be accompanied by all information required by the general permit. All required information shall be complete and accurate.

2. The Notice of Intent shall be signed by the landfill operator. The landowner shall also sign the Notice of Intent, thereby giving authorization for the proposed landfilling activity on said property. Any changes in the written authorization submitted to the Department which occur after the issuance of the Department's approval to operate under the general permit shall be reported to the Department by submitting a copy of the new written authorization.

3. Any person signing a Notice of Intent to landfill under the general information shall also sign the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in the attached document; and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

**C. Record Keeping and Reporting Requirements.** Landfills operating under the General Permit shall submit in a format approved by the Department an annual report for the fiscal year beginning on July 1 and ending on June 30. This report shall be submitted to the Department on or before October 15th and shall identify the actual weight or volume in cubic yards of wastes received per month at the land-clearing debris and yard trash landfill.

**D. Violation and Penalties.** A violation of this regulation or violation of any permit, order, or standard subjects the person to the issuance of a Department order, or to civil or criminal enforcement action in

accordance with Code Section 44-96-450. In addition, the Department may impose reasonable civil penalties not to exceed ten thousand dollars (\$10,000.00) for each day of violation of the provisions of this regulation, including violation of any order, permit or standard. Any person to whom an order is issued may appeal it as a contested case pursuant to R.61-72 and the Administrative Procedures Act.

**Part III. Landfills for disposal of construction, demolition, and land-clearing debris that have controlled access and serve permanently located utility facilities and manufacturing firms, such as those listed in the South Carolina Industrial Directory, shall be considered Part III landfills.**

**A. General Provisions.**

1. Structural fill. Permanently located utility facilities and manufacturing firms, such as those listed in the South Carolina Industrial Directory, i.e., Part III facilities, may use certain solid waste that is generated on-site for structural fill. Such activities are exempt from the requirements of this regulation if the site will:

- a. Provide structural fill of areas with a beneficial end use;
- b. Have controlled access through the use of fences, gates or natural barriers, or other means to prevent promiscuous dumping and unauthorized access; and,
- c. Receive only those items listed below that are generated as a result of construction, remodeling, repair and demolition of structures, road building, and land clearing in the course of operations on property under the same ownership or control as the structural fill activity and that have not been in direct contact with hazardous constituents (e.g., pesticides, etc.), petroleum products, or painted with lead-based paint:

- (1) hardened concrete;
- (2) brick;
- (3) block;
- (4) untreated lumber; and,
- (5) other items specifically approved in writing by the Department.

2. Permit-by-Rule. Part III landfills shall be deemed to have a permit for disposal of construction, demolition, and land-clearing debris generated in the course of operations on property under the same ownership or control as the landfill as outlined in Section B. below.

**B. Permit-by-Rule.** The siting, design, construction, operation, and closure activities of landfills that receive construction, demolition and/or land-clearing debris and that serve Part III facilities shall conform to the standards set forth in this Part.

1. A Part III facility shall be deemed to have a permit for the purposes of this Part if it is registered with the Department, and constructed and operated in compliance with the requirements outlined below:

a. Only construction, demolition and land-clearing debris as outlined in Appendix I of this regulation that does not contain and is not in direct contact with hazardous constituents (e.g., pesticides, etc.), petroleum products, or lead-based paint, and that is generated as a result of construction, remodeling, repair and demolition of structures, road building, and land clearing in the course of operations on property under the same ownership or control as the landfill shall be accepted for disposal at a Part III approved landfill.

b. Thirty (30) days after submittal of a complete notification submittal to the Department, the landfill may begin operating unless otherwise notified by the Department.

c. Approvals to operate under this Permit-by-rule shall be effective for the design and operational life

of the landfill. However, the Department shall include additional limitations, standards, or conditions when the technical limitations, standards, or regulations on which the original approval was based have been changed by statute or amended by regulation.

d. The owner of a landfill shall notify the Department not later than 30 days following transfer of ownership of the landfill during the active life of the landfill, e.g., until issuance of Department final closure approval.

e. If at any time the Department obtains quantitative data indicating that the landfill poses an actual or potential threat to human health or the environment, upon notification by the Department, the owner/operator shall implement a corrective action program approved by the Department.

f. Open dumping of construction, demolition, and land-clearing debris is prohibited.

g. All landfills shall adhere to all Federal and State rules and regulations, and all local zoning, land use and other applicable local ordinances.

h. Access to the landfill shall be controlled through the use of fences, gates, berms, natural barriers, or other means to prevent promiscuous dumping and unauthorized access.

## 2. Registration Requirements:

a. Prior to landfilling at a Part III landfill under the State's permit-by-rule, the entity responsible for the landfill shall register with the Department. A registration form approved by the Department and all information required by this Part shall be submitted to the Department no less than thirty (30) days prior to operation of the proposed landfill. All required information shall be complete and accurate. If the Department fails to notify the applicant for either a request for additional information, or with a denial of approval to operate under the permit-by-rule within thirty (30) days of receipt of a complete registration submittal, the landfill may begin operating.

b. A company official, e.g., plant manager, etc., shall sign the registration form and the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in the attached document; and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

c. Any person wishing to operate a landfill under this permit-by-rule shall submit to the Department three (3) copies of the following documents prior to accepting waste:

(1) A registration form approved by the Department. This form shall include at a minimum the following information:

(a) Business entity responsible for the landfill;

(b) Title of individual responsible for operation of the landfill;

(c) The estimated expected life of the landfill;

(d) The maximum volume of solid waste the landfill will be capable of receiving over the operational life of the landfill;

- (e) The source and description of cover material to be used; and,
- (f) An explanation of how the cover will be applied;

(2) A site plan on a scale of not greater than two hundred (200) feet per inch. This plan shall be prepared by a South Carolina licensed professional engineer and shall at a minimum identify the following:

(a) Property boundaries, footprint of the landfill, location of any buildings, fences, gates, entrances, exits, and access roads;

(b) Land use of the property immediately adjacent to the proposed disposal area boundaries to include the location of all homes, schools, hospitals, publicly owned recreational park areas, drinking water wells, and roads;

(c) Location of surface water bodies, dry runs, wetlands, the location of the 100-year flood plain boundaries, and other applicable details regarding the general topography of the landfill site and adjacent properties within one-fourth (3) mile of the disposal area; and,

(d) Depth of the disposal area and proposed final elevations, in a cross-sectional view;

(3) A current county map showing the location of the landfill; and,

(4) A current 7.5 minute quadrant map (U.S. Geological Survey topographic map, including the legend and name of the quadrant) with the proposed disposal area marked.

3. Siting Criteria. New and expanding landfills shall meet the siting criteria outlined below. Variances may be requested for landfills and may be granted on a case-by-case basis upon demonstration by the applicant that the variance will not adversely impact human health or the environment, and based on the landfill's past compliance history.

a. A landfill located in a 100-year floodplain shall demonstrate that the landfill will not restrict the flow of the 100-year flood;

b. A landfill shall be in compliance with the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency requirements concerning wetlands;

c. The waste disposal boundary of the landfill shall not be located within one hundred (100) feet of any property line without written consent from the adjacent landowner(s);

d. The waste disposal boundary of the landfill shall not be located within two hundred (200) feet of any residence, school, day-care center, hospital or publicly owned recreational park area;

e. The waste disposal boundary of the landfill shall not be located within two hundred (200) feet of any surface water body which holds visible water for greater than six (6) consecutive months, excluding drainage ditches, sedimentation ponds and other operational features on the site;

f. The waste disposal boundary of the landfill shall not be located within the wellhead protection area of a public well, and shall comply with the buffer for private drinking water wells as established by the Department's State Primary Drinking Water Regulations;



g. The bottom elevation of the landfill shall be a minimum of two (2) feet above seasonal high water table as it exists prior to construction of the disposal area; and,

h. Waste material shall not be placed on or within fifty (50) feet of underground or above ground utility equipment or structures, i.e., water lines, sewer lines, storm drains, telephone lines, electric lines, etc., without the written approval of the impacted utility.

4. Operation Criteria. Any landfill operating under this Permit-by-Rule shall adhere to the following operational criteria:

a. The landfill shall accept only waste as outlined in Section B.1.a. of this Part;

b. Unauthorized wastes shall be removed from the landfill within seventy-two (72) hours of receipt to a facility permitted to accept the waste;

c. The unloading of solid waste intended for disposal in the landfill shall be restricted to the working face of the landfill;

d. A uniform layer of earth cover no less than six (6) inches in depth or a uniform layer of non-flammable waste, e.g., bricks, blocks, hardened/cured asphalt, hardened cement, etc., shall be placed over all exposed flammable waste material, e.g., paper products, wood products, etc., at the end of each project, but no less frequently than monthly;

e. Open burning at landfills shall be prohibited;

f. The site shall be maintained and operated in a manner which will protect the established water quality standards of the surface waters and ground waters;

g. Dust, odors, fire hazards, litter and vectors shall be effectively controlled so they do not constitute nuisances or hazards; and,

h. Storm water shall be diverted to minimize run-off into the disposal area of the landfill. An appropriate permit from the Department may be required prior to the discharge of any storm waters to surface waters.

5. Closure Requirements.

a. Within six (6) months following the last receipt of solid waste at a site, the application of final cover shall be completed. A two (2) foot thick final earth cover is required with at least a 1% but not greater than 4% surface slope, graded to promote positive drainage. The side slope cover shall not exceed three (3) horizontal feet to one (1) vertical foot, i.e., a 3:1 slope. The integrity of the final cover shall be maintained.

b. Within seven (7) months following the last receipt of solid waste at the site, the finished surface of the disposal area shall be seeded with native grasses or other suitable ground cover.

c. Within ten (10) days of grading and seeding, pursuant to item #5.b. above, a company official shall submit to the Department verification that the landfill has been properly closed in accordance with requirements outlined in this Part. Upon receipt of verification of closure, the Department will schedule an inspection of the landfill. Upon issuance of the Department's final closure approval, the Department's approval to operate under this permit-by-rule for this site shall be terminated.

**C. Violations and Penalties.** A violation of this Part constitutes a violation of this regulation and of the South Carolina Solid Waste Policy and Management Act of 1991, S.C. Code Ann. Section 44-96-10, et seq., and subjects the violator to civil or criminal enforcement action in accordance with Code Section 44-96-450. In addition, the Department may impose reasonable civil penalties not to exceed ten thousand dollars (\$10,000.00) for each day of violation of the provisions of this Part, including violation of any order or standard. A person to whom an order is issued may appeal such action as a contested case pursuant to R.61-72 and the Administrative Procedures Act.

**Part IV. Long-Term Construction, Demolition, and Land-Clearing Debris Landfills, i.e., All Other Construction, Demolition and Land-Clearing Debris Landfills Not Addressed in Parts I, II or III.**

**A. General Provisions.**

1. The siting, design, construction, operation, and closure activities of landfills which receive construction, demolition and/or land-clearing debris shall conform to the standards set forth in this Part.
2. Landfills for the disposal only of trees, stumps, wood chips, and yard trash, when generation and disposal of such waste occurs on properties under the same ownership or control, are exempt from the requirements of this regulation.
3. Upon obtaining data the landfill poses a threat to human health or the environment, the Department, upon notification to the owner/operator, may require the owner/operator to implement a corrective action program approved by the Department.
4. Landfills shall be consistent with the host Region/County Solid Waste Management Plan.
5. Prior to the issuance of a permit for a new or expanded facility, the Department shall approve an allowable rate of disposal based on the Region/County Solid Waste Management Plans, the Letters of Consistency, the facility's design capacity, the expected operational life, and the area to be served by the facility as outlined in the permit application.
6. Only those items listed in Appendix I of this regulation and any items specifically listed on the facility's permit issued by the Department which have not come into contact with hazardous constituents (e.g., pesticides, etc.), petroleum products, or lead-based paint shall be accepted for disposal at the landfill unless specifically authorized by the Department as stated in Sections D.3. and E.1. of this Part.
7. A separate permit shall be required for each landfill even though there may be one or more different types of landfills located on the same site.
8. Open dumping of construction, demolition, and land-clearing debris is prohibited.
9. The permittee of a landfill shall notify the Department prior to transfer of ownership or operation of the landfill during the active life of the landfill, e.g., until issuance of Department final closure approval.

**B. Permit Application Requirements.**

1. Prior to the construction, operation, expansion or modification of a landfill, a permit shall be obtained from the Department.
2. Any person wishing to obtain a permit for a landfill shall submit to the Department three (3) copies of the following documents:
  - a. A completed permit application on a form provided by the Department;
  - b. Complete construction plans and specifications prepared by a South Carolina licensed professional engineer which include, but are not limited to, the following:
    - (1) A site plan on a scale of not greater than two hundred (200) feet per inch. This plan shall at a minimum identify the following:

(a) Property boundaries, footprint of the landfill, existing and proposed structures and systems, and access roads;

(b) Land use and zoning within one-fourth (3) mile of the proposed site's boundaries to include the location of all homes, schools, hospitals, publicly owned recreational park areas, drinking water wells, and roads;

(c) Location of surface water bodies, dry runs, wetlands, the location of the 100-year flood plain boundaries, and other applicable details regarding the general topography of the landfill site and adjacent properties within one-fourth (3) mile of the disposal area; and,

(d) Site conditions and projected use including all site structures, buildings, fences, gates, entrances and exits, parking areas, on-site roadways, and signs;

(2) An engineering report which shall include, but is not limited to, the following:

(a) A current 7.5 minute quadrant map (U.S. Geological Survey topographic map, including the legend and name of the quadrant) which shows contour intervals not exceeding ten (10) feet, any proposed fill area, any borrow area, grades for proper drainage of each lift required and typical cross sections of lifts, special drainage devices if necessary, fencing, equipment shelters, existing and proposed utilities, employee facilities, and all other pertinent information to clearly indicate the orderly development, operations, and completion of the site;

(b) Source and description of cover material to be used;

(c) Frequency of covering (at least monthly);

(d) Depth of disposal area;

(e) Final contours of the finished landfill areas;

(f) A general operating plan for the proposed facility including the expected life of the facility, the maximum volume of solid waste the facility will be capable of receiving over the operational life of the facility, and the maximum rate at which the facility will receive that waste during the designed life of the facility;

(g) Method for inspecting and measuring incoming waste;

(h) Procedures for control of storm water drainage;

(i) Procedures for prevention of fires;

(j) Procedures for control of vectors;

(k) Procedures for odor control;

(l) Procedures for dust control;

(m) Hours of operation;

(n) List of equipment to be used for excavating, earth moving, spreading, compacting and

covering operations;

(o) A contingency plan describing landfill operation in the event of equipment failure. Reserve equipment shall be available within twenty four (24) hours of equipment breakdown;

(p) A list of items that are not listed in Appendix I of this regulation that the owner/operator wishes to place in the landfill, the anticipated quantity and source of the waste. Upon Department review, items other than those listed in Appendix I, that are approved for landfilling, shall be listed on the permit for that facility. After issuance of the permit, other items may be approved for disposal at the landfill by modification of the permit by the Department. Only items that will cause no environmental harm as determined by the Department will be approved for disposal;

(q) Data to indicate the location of the seasonal high water table in relation to the bottom elevation of the proposed landfill; and,

(r) A detailed closure plan in accordance with Section G of this Part, to include a description of the final cover and the methods and procedures to be used to install the cover. This plan shall also include the following: an estimate of the largest area of the landfill that will ever require a final cover at any time during the active life of the facility; an estimate of the maximum inventory of wastes ever on site over the active life of the facility; a schedule for completing all activities; and, a site plan of the landfill showing the proposed final elevations. The plan may be amended at any time during the active life of the facility with Department approval. The plan shall be amended whenever changes in operating plans or facility design affect the closure plan, or whenever there is a change in the expected year of closure;

c. A letter from Ocean and Coastal Resources Management (OCRM) stating that the project is consistent with the South Carolina Coastal Zone Management Plan if the proposed landfill is located in the coastal zone as defined in accordance with the Coastal Zone Management Act;

d. An outline of a financial assurance mechanism. The owner/ operator of each facility shall establish sufficient financial assurance to ensure satisfactory maintenance and closure, and to carry out any corrective action which may be required as a condition of a permit. Consideration shall be given to mechanisms which would provide flexibility to the owner/operator in meeting its financial obligations. The owner/operator shall be allowed to use combined financial responsibility mechanisms for a single facility and shall be allowed to combine financial responsibility mechanisms for multiple facilities, utilizing actuarially sound risk-spreading techniques. Financial assurance requirements do not apply to local governments or regions comprised of local governments unless and until such time as federal regulations require such local governments and regions to demonstrate financial responsibility for such facilities; and,

e. A disclosure statement on a form provided by the Department pursuant to Code Section 44-96-300. The Department may accept one disclosure statement for multiple facility permit applicants. Local governments and regions comprised of local governments are exempt from this requirement.

3. Failure to begin construction of the landfill within twelve (12) months of the issuance of the Department permit shall render that permit invalid.

### **C. Design Criteria for Construction, Demolition and Land-Clearing Debris Landfills.**

1. The site for a new landfill or expansion of an existing landfill shall meet the following standards, unless otherwise approved by the Department:

a. A landfill located in a 100-year floodplain shall demonstrate that the landfill will not restrict the

flow of the 100-year flood;

b. A landfill shall be in compliance with the U. S. Army Corps of Engineers and the U. S. Environmental Protection Agency requirements concerning wetlands;

c. Access to the landfill shall be controlled through the use of fences, gates, berms, natural barriers, or other means to prevent promiscuous dumping and unauthorized access;

d. The waste disposal boundary of the landfill shall not be located within one hundred (100) feet of any property line;

e. The waste disposal boundary of the landfill shall not be located within one thousand (1000) feet of any residence, school, day-care center, hospital or publicly owned recreational park area;

f. The waste disposal boundary of the landfill shall not be located within two hundred (200) feet of any surface water body which holds visible water for greater than six (6) consecutive months, excluding drainage ditches, sedimentation ponds and other operational features on the site;

g. The waste disposal boundary of the landfill shall not be located within one hundred (100) feet of any drinking water well;

h. The bottom elevation of the landfill trench shall be a minimum of two (2) feet above the seasonal high water table elevation as it exists prior to construction of the disposal area. The seasonal high water table elevation shall be determined based on interpretation of the data obtained from a representative number of monitoring wells approved by the Department. The Department may consider alternative information for determining the seasonal high water table elevation on a case by case basis. In cases where there is insufficient information to support the seasonal high water table elevation determination, additional separation may be required by the Department.

i. The landfill shall be adjacent to or have direct access to roads which are of all-weather construction and capable of withstanding anticipated load limits; and,

j. All landfills shall adhere to all Federal and State rules and regulations, and all local zoning, land use, and other applicable ordinances and laws.

k. Waste material shall not be placed on or within fifty (50) feet of underground or above ground utility equipment or structures, i.e., water lines, sewer lines, storm drains, telephone lines, electric lines, etc., without the written approval of the impacted utility.

## 2. Drainage control requirements.

a. The disposal area shall be graded with a minimum of a 1% slope so as to divert and minimize run-off into the disposal area of the landfill, to prevent erosion and ponding within the disposal area, and to drain water from the surface of the landfill;

b. Prior to accepting waste, the owners/operators shall design, construct, and subsequently maintain:

(1) A run-on control system to prevent flow onto the active portion of the landfill during peak discharge from a 24-hour, 25-year storm; and,

(2) A run-off control system from the active portion of the landfill to collect and control at least

the water volume resulting from a 24-hour, 25-year storm; and,

c. An appropriate permit from the Department may be required prior to the discharge of any storm waters to surface waters.

3. Access to fire equipment and fire-fighting services shall be provided.

4. Procedures shall be established for maintaining conditions that are unfavorable for the habitation and production of insects, rodents and other pests.

**D. Acceptability of Waste at Construction, Demolition, & Land-Clearing Debris Landfills.**

1. Wastes that have been determined by the Department to be acceptable are listed in Appendix I.

2. Items listed in Appendix II and wastes, e.g., items listed in Appendix I, etc., which have been in direct contact with or may contain petroleum products, lead-based paint, or any hazardous constituents listed in the S.C. Hazardous Waste Management Regulations R.61-79.261, are prohibited.

3. Any requests for the acceptance of a particular waste not listed in either Appendix I or II, shall be directed to the Department for a determination of acceptability and modification of the permit.

**E. Operation Criteria for Construction, Demolition and Land-Clearing Debris Landfills.**

1. The landfill shall accept only waste as outlined in Appendix I of this regulation and in the Department's permit for that facility unless specifically approved by the Department.

2. Unauthorized wastes shall be removed from the landfill site to an approved facility within forty-eight (48) hours of receipt, unless otherwise approved by the Department.

3. The unloading of solid waste intended for disposal in the landfill shall be restricted to the working face of the landfill.

4. The working face of the landfill shall be confined to as small an area as the equipment can safely and efficiently operate. The slope shall not exceed thirty three percent (33%).

5. Solid waste shall be spread in uniform layers to the extent practical and compacted to its smallest practical volume.

6. Unless otherwise approved by the Department, a uniform compacted layer of earth cover or other suitable cover material acceptable to the Department, no less than six (6) inches in depth shall be placed over all exposed waste material at least monthly. Depending on the nature of the disposed materials, more frequent cover may be required in the Department's permit for that facility.

7. Open burning at landfills shall be prohibited.

8. The site shall be maintained and operated in a manner which will protect the established water quality standards of the surface waters and ground waters.

9. [Reserved]

10. Dust, odors, fire hazards, litter and vectors shall be effectively controlled so they do not constitute

nuisances or hazards.

11. The landfill shall have an attendant on duty at all times the facility is open.

12. Sign Requirements. Signs shall be posted and maintained in conspicuous places which:

a. Identify the owner, operator, or a contact person and telephone number in case of emergencies and the hours during which the landfill is open for use;

b. State the types of waste that the landfill is permitted to receive; and,

c. Identify the valid SCDHEC Permit Number for the facility.

13. Prior to accepting any materials containing nonfriable asbestos for disposal at the landfill, the operator shall include in its landfill records a copy of a "permission for disposal" letter from the Department. The landfill shall retain these letters for a period of not less than five (5) years and shall make them available to the Department upon request.

#### **F. Monitoring and Reporting Requirements.**

1. If at any time the Department determines that a landfill poses an actual or potential threat to human health or the environment, upon notification by the Department, the owner/operator shall implement a corrective action program approved by the Department.

2. Upon implementation of a contingency plan, the Department shall be notified immediately by telephone with written confirmation to follow.

3. Landfills shall maintain daily records of:

a. The actual weight or total volume in cubic yards of waste received;

b. The particular grid location of the area currently being used for disposal of solid waste; and,

c. [Reserved].

4. Landfills shall submit in a format approved by the Department an annual report for the fiscal year beginning on July 1 and ending on June 30. This report shall be submitted to the Department on or before October 15th and shall include the information outlined below. This information shall be maintained by the owner/operator for a period not less than five (5) years.

a. The actual weight or volume in cubic yards of wastes received per month; and,

b. A description of the capacity of the landfill used in the previous fiscal year and the remaining permitted capacity.

5. Six (6) months prior to Department review of the facility's permit in accordance with Section I. of this Part, the landfill shall submit to the Department a topographic survey map of the site that shows the contours at the beginning and the end of the period since the last permit review.

**G. Closure.** The termination of disposal operations at a construction, demolition and land-clearing debris landfill, whether the entire landfill site or a portion thereof, shall be in compliance with the following



requirements.

1. Within one (1) month following the last receipt of solid waste at a site or a part of the site, the application of final cover shall begin. A two (2) foot thick final earth cover is required with at least a 1% but not greater than 4% surface slope, graded to promote positive drainage. The side slope cover shall not exceed three (3) horizontal feet to one (1) vertical foot, i.e., a 3:1 slope. Alternate final cover designs may be submitted for Department review and approval. Unless otherwise approved by the Department, the application of final cover shall be completed within six (6) months of the last receipt of solid waste at the facility. The integrity of the final cover shall be maintained.

2. The finished surface of the disposal area shall be seeded with native grasses or other suitable ground cover within five (5) days of the completion of that portion of the landfill. A minimum of seventy-five percent (75%) vegetative ground cover with no substantial bare spots shall be established and maintained into the second growing season.

3. Within five (5) days of closure of the entire landfill, the owner/operator shall post signs at the landfill that state the facility is no longer in operation.

4. Upon closure of the entire landfill and within ten (10) days of grading and seeding, pursuant to item #2 above, a professional engineer licensed in the State of South Carolina shall submit to the Department verification that the landfill has been properly closed in accordance with requirements outlined in this Part and the facility's permit. Upon receipt of verification of closure, the Department will schedule an inspection of the facility. Upon issuance of the Department's final closure approval, the Department's permit for this facility shall be terminated.

5. If environmental problems associated with the landfill are detected and confirmed by the Department, the owner/operator shall submit for Department review and approval, a corrective action plan and a schedule of compliance for implementing the plan.

6. Within thirty (30) days of the Department's issuance of final closure approval, the owner shall:

a. Submit to the local zoning authority, or the authority with jurisdiction over local land use, and to the Department a plat showing the final boundaries of the waste disposal area of the closed landfill including the latitude and longitude, and a record of the type, location, and quantity of solid wastes disposed at the facility;

b. Record a notation on the deed to the facility property - or on some other instrument which is normally examined during title search - that will in perpetuity notify any potential purchaser of the property that the land or a portion thereof, has been used for the disposal of solid waste; and,

c. Submit to the Department a copy of the document in which the notation required by Item 6.b. above has been placed.

**H. Violations and Penalties.** A violation of this regulation or violation of any permit, order, or standard subjects the person to the issuance of a Department order, or to civil or criminal enforcement action in accordance with Code Section 44-96-450. In addition, the Department may impose reasonable civil penalties not to exceed ten thousand dollars (\$10,000.00) for each day of violation of the provisions of this Part, including violation of any order, permit or standard. A person to whom an order is issued may appeal it as a contested case pursuant to R.61-72 and the Administrative Procedures Act.

**I. Permit Review.** Permits shall be effective for the design and operational life of the facility. The Department shall review the permit at least once every five (5) years.

1. If, upon review, the Department finds that material or substantial violations of the permit demonstrate the permittee's disregard for, or inability to comply with applicable laws, regulations, or requirements and would make continuation of the permit not in the best interest of human health and safety or the environment, the Department may, after a hearing, amend or revoke the permit, as appropriate and necessary. When a permit is reviewed, the Department shall include additional limitations, standards, or conditions when the technical limitations, standards, or regulations on which the original permit was based have been changed by statute or amended by regulation.

2. The Department may amend or attach conditions to a permit when:

a. There is a significant change in the manner and scope of operation which may require new or additional permit conditions or safeguards to protect human health and safety and the environment;

b. The investigation has shown the need for additional equipment, construction, procedures, and testing to ensure the protection of human health and safety and the environment; and,

c. The amendment is necessary to meet changes in applicable regulatory requirements.

## Appendix I

### ACCEPTABLE WASTE FOR CONSTRUCTION, DEMOLITION, AND LAND-CLEARING DEBRIS LANDFILLS

The following types of waste have been determined by the Department to be environmentally safe and may be accepted at construction, demolition & land-clearing debris landfills unless specifically prohibited by the Department. However, any of the materials listed in this appendix that have been painted with lead-based paint and/or have been in direct contact with hazardous constituents (e.g., pesticides, etc.), or petroleum products, are prohibited from disposal at a construction, demolition, and land-clearing debris landfill.

#### Acceptable Land-Clearing Debris Such As:

- . earthen material, e.g., clays, sands, gravels, & silts
- . logs
- . tree stumps
- . root mats
- . top soil
- . vegetation
- . rock
- . brush & limbs

#### Acceptable Construction & Demolition Debris Such As:

- . structural steel
- . bricks & blocks
- . plaster & plasterboard
- . shingles & roofing materials
- . hardened/cured asphalt (2)
- . pipes
- . floor coverings
- . other structural fabrics
- . poly fiberglass (highly polished, cured material used for shower stalls, roofing, etc.)
- . glass
- . nonfriable asbestos-containing material (3)
- . hardened concrete
- . lumber
- . insulation material
- . floor, wall & ceiling tile
- . hardened cement
- . glass wire (optical fiber)
- . wall coverings
- . tires (1)
- . other items physically attached to the structure, e.g., signs, mailboxes, awnings, etc.
- . mirrors

(1) Tires shall be reduced in size by a minimum of one-eighth the size of the original tire prior to landfill disposal.

(2) Tar sealant material is not acceptable.

(3) Nonfriable asbestos-containing material which is in good condition and has not been handled in such a way as to render it a regulated material and thus subject to Bureau of Air Quality Control (BAQC) Regulation 61-86.1 (Standards of Performance for Asbestos Abatement Operations) and the National Emissions Standards for Hazardous Air Pollutants [40 CFR 61 Subpart M] is acceptable. Record keeping of all asbestos-containing material shall be in accordance with Bureau of Air Quality Control Regulation 61-86.1 (Standards of Performance for Asbestos Abatement Operations) and the National Emissions Standards for

Hazardous Air Pollutants [40 CFR 61, and Subpart M]). Prior to disposal of any nonfriable asbestos-containing material, the generator of the asbestos waste shall have a "permission for disposal" letter from the Department.

## Appendix II

### UNACCEPTABLE WASTE

The following types of waste have been determined to pose a potential threat to the environment and may not be accepted at construction, demolition & land-clearing debris landfills.

#### Any Waste That Has Been In Contact With Lead-Based Paint Such As:

- . plaster & plasterboard
- . concrete
- . wall paper
- . containers (cans, buckets, etc.)
- . metal poles
- . painting equipment
- . mechanical parts
- . lumber (siding, cabinets, shingles, etc.)

#### Any Waste That Has Been In Contact With Petroleum Products Such As:

- . storage tanks
- . pipes
- . mechanical/machine parts
- . absorbent (vermiculite)
- . paper towels & rags
- . containers
- . filters (oil, etc.)
- . soil
- . concrete

#### Any Waste That Has Been In Contact With Friable Asbestos Material Such As:

- . pipe insulation
- . asbestos-cement products that have been crumbled/pulverized
- . roofing material that has been cut with a saw
- . broken/chipped floor tiles
- . friable asbestos containing material

#### Any Waste That Has Been In Contact With Polychlorinated Biphenols (PCBs) Such As:

- . transformers
- . electrical components
- . any waste that has come in contact with any liquid-containing PCBs
- . capacitors
- . lighting ballasts

#### Any Waste That Has Been In Contact With Solvents (industrial plants, chemical plants, laboratories, construction sites, etc.) Such As:

- . caulking compounds
- . containers (packaging)
- . filters
- . pumps
- . mechanical/machine parts (valves)
- . flooring (wood, carpet)
- . soil
- . storage tanks
- . paint thinner
- . pipes
- . vats
- . adhesives
- . cement
- . cabinets (shelves)
- . tar
- . glazing compound
- . absorbent

Any Waste That Has Been In Contact With Preservatives  
(pentachlorophenol & creosote) Such As:

- . railroad ties
- . soil
- . any mechanical part used in manufacturing processes
- . utility poles
- . containers

Any Waste That Has Been In Contact With  
Pesticides/Herbicides Such As:

- . containers (packaging)
- . soil
- . mechanical/machine parts
- . any equipment used for application
- . vats
- . concrete
- . wood (storage area)

Miscellaneous Waste Such As:

- . lamps (mercury) (1)
- . liquid waste (paint, paint thinner, etc.) & containers (paint cans, etc.)
- . caulking tubes
- . unpolished fiberglass (Bondo)
- . solid waste which may contain a waste or substance determined by the Department to be unacceptable

(1) Fluorescent lamps and high intensity discharge (HID) lamps such as metal halide and mercury vapor lamps.