

WV OFFICE OF AIR QUALITY
45 CSR 25
PART B HAZARDOUS WASTE PERMIT APPLICATION

GENERAL REQUIREMENTS. (270.14(b)(19))

The applicant must provide the following information in accordance with 40 CFR Part 270.14(b)(19)

I. Facility description - 270.14 (b)(1)

II. Topographic Map

- A. Attach a copy of topographic map showing a distance of 1000 feet around the hazardous waste management area at a scale of 1 inch to 200 feet. Contours must be shown on the map with intervals sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility (e.g., contour intervals of 5 feet if relief is greater than 20 feet or an interval of 2 feet if relief is less than 20 feet). The map should clearly show the following:
1. Map scale and date
 2. Orientation of the map and legal boundaries of the facility site
 3. Access control (fences, gates)
 4. Injection and withdrawal wells both on-site and off-site
 5. Building and other structures (recreational areas; access and internal roads; storm, sanitary and process sewerage systems; fire control facilities; etc.)
 6. Contours sufficient to show surface water flow
 7. Loading and unloading areas
 8. Drainage or flood control barriers
 9. Proposed new and existing hazardous waste units including clean up areas
 10. Runoff control system
 11. Fire control facilities
- B. Include a wind rose indicating the local prevailing wind speed and direction, legend, and date with the maps or as a separate item.
- C. Traffic information - Include the information required in §270.14(b)(10).

III. Financial Responsibility Information

- A. Attach a copy of the most recent closure cost estimates for the facility [§264.142] and a copy of the financial mechanism used to establish financial assurance for closure of the facility [§264.143 and §270.14(b)(15)].
- B. If applicable, attach a copy of the most recent post-closure care cost estimate for the facility [§264.144] and a copy of the financial mechanism used to establish financial assurance for post-closure care of the facility [§264.145, §264.146 and §270.14(b)(16)].

- C. Attach a copy of the documents used to demonstrate liability coverage [§264.147].

IV. Facility Security Information

- A. Attach a description of the security procedures and equipment required by §264.14. [270.14(b)(4)]
- B. Attach a copy of the contingency plan required by 40 CFR Part 264, Subpart D. [270.14(b)(7)]. Procedures for responding to combustion unit's spills or leakage including the decontamination process and repair of the unit.
- C. Attach a description of procedures, structures, or equipment used at the facility to:
 - 1. Mitigate effects of equipment failure and power outages;
 - 2. Prevent hazards in unloading operations (i.e., ramps, special forklifts);
 - 3. Prevent undue exposure of personnel to hazardous waste (i.e., protective clothing);
 - 4. Prevent contamination of water supplies;
 - 5. Prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (i.e., berms, dikes, trenches);
 - 6. Prevent releases to atmosphere; and
 - 7. Prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes. [270.24(b)(9)]
- D. Attach a description of the **preparedness and prevention procedures** required by 40 CFR Part 264, Subpart C, including design and operation of the facility, required equipment, testing and maintenance of equipment, access to communications or alarm system, required aisle space, and arrangements with local authorities [270.14(b)(6)].
 - 1. **Inspection Requirement**
 - (a) A description of the facility schedule for inspection of the combustion units monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are vital to prevent, detect, or respond to environmental or human health hazards. The schedule must identify the types of problems to look for during the inspection (e.g., leaks, deterioration, readings out of specified range, missing items or materials, inoperative equipment, etc.).
 - (b) A description of the frequency of inspection for items on the schedule. The frequency of inspection should be based on the rate of possible deterioration of equipment and the probability of an environmental or human health incident if the deterioration, malfunction or operator error goes undetected between inspections. Incinerator and associated equipment must be inspected visually at least daily for leaks, spills, fugitive emissions and signs of tampering; and emergency waste feed cut-off system and

associated alarms must be tested weekly unless the applicant demonstrates that weekly frequency is unduly restrictive and that less frequent inspection will be adequate. At a minimum, operational testing must be conducted monthly.

2. Prevention of Air Emissions.

- (a) A description of the precautions taken by an owner or operator at a facility that treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes and other materials, to prevent reactions which (1) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; (2) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to pose a risk of fire or explosions; (3) by similar means threaten human health or the environment.
- (b) A description of tank treatment process controls, emission controls, and safety or emergency procedures as are necessary to protect human health and the environment from toxic or otherwise harmful fumes, mists, or gases resulting from (1) volatilization of wastes stored or treated; (2) chemical reactions either routine or resulting from process upsets; and (3) physical agitation or other forms of treatment in the tank.
- (c) A description of facility design, construction, maintenance, and operation to minimize the possibility of a fire, explosion, or any unplanned sudden, or non-sudden release of hazardous waste constituents to the air which could threaten human health or the environment.

- E. Attach an outline of both the **introductory and continuing training programs** used to prepare persons to operate or maintain the hazardous waste management facility in a safe manner to demonstrate compliance with §264.16 [270.14(b)(12)].

V. Waste Characteristics

- A. Attach a copy of the reports of the **chemical and physical analyses of each** of the hazardous wastes and hazardous debris handled at the facility. At a minimum, the analyses must include all information which must be known to treat, store, or dispose of the wastes in accordance with §270.14(b)(2); 266.102(a)(2)(ii) and (b); 264.13(a); Parts 264, 266 and 268 requirements or conditions of the permit issued under Part 270. General description of the waste:
 - 1. Hazardous characteristics;
 - 2. Basis for hazard designation; and
 - 3. Laboratory report on analyses results.
- B. Attach a copy of the **waste analysis plan** required by §264.13(b) [270.14(b)(3)]. Include the following:
- C. Parameters for which each hazardous waste will be analyzed and the

rationale for the selection of these parameters.

1. Test methods used;
2. Sampling methods used;
3. Frequency of analysis to ensure accuracy;
4. Waste analyses that generators supply;
5. Methods used to meet additional waste analysis requirements; and, if applicable,
6. For off-site facilities, the procedures used to inspect and ensure that the wastes received match the accompanying manifest.

- D. Attach a copy of the **procedures used to comply with** §264.12 and 40 CFR Part 264, **Subpart E** (Manifest System, Recordkeeping, and Reporting).
- E. Indicate all other **federal laws** that may apply to the issuance of the permit according to §270.3.