- WAC 173-306-330 Application contents for permits. (1) Application contents for permits for new or expanded facilities.
  - (a) All permit applications shall contain the following:
  - (i) A general description of the facility;
  - (ii) The types of ash to be handled at the facility;
- (iii) The plan of operation required by WAC 173-306-405(3) (except for demonstration and class-use permits, WAC 173-306-320);
- (iv) The operating log required by WAC 173-306-405(4) (except for demonstration and class-use permits, WAC 173-306-320);
- (v) The inspection schedule and inspection log required by WAC 173-306-405.
- (b) Application contents for monofill facilities. In addition to the requirements of (a) of this subsection, each monofill application for a permit must contain:
  - (i) A hydrogeological assessment of the facility that addresses:
- (A) Local/regional geology and hydrology, including holocene faults within two hundred feet of the active area and three thousand feet of all other faults, unstable slopes, and subsidence areas on site; or a department approved geologic hazard assessment study;
  - (B) Evaluation of bedrock and soil types and properties;
  - (C) Depths to groundwater or aquifer(s), or both;
  - (D) Direction and flow rate of the uppermost aquifer;
  - (E) Direction of regional groundwater;
- (F) Quantity, location, and construction (where available) of private and public wells within a two thousand foot radius of site;
- (G) Tabulation of all water rights for groundwater and surface water within a two thousand foot radius of the site;
- (H) Identification and description of all surface waters within a one-mile radius of the site;
- (I) Background and surface water quality assessment, and for expanded facilities, identification of impacts to date of applicant's existing facilities upon ground and surface waters from monofill leachate discharges;
  - (J) Calculation of a site water balance;
- (K) Conceptual design of a groundwater and surface water monitoring system, including proposed installation methods for these devices and, where applicable, a vadose zone monitoring plan;
  - (L) Land use in the area, including nearby residences;
  - (M) Topography of the site and surrounding areas; and
  - (N) Drainage pattern of the site and surrounding areas.
- (ii) Preliminary engineering report/plans and specifications that address:
- (A) How the facility will meet the siting standards of WAC 173-306-350;
- (B) Relationship of facility to city and county solid waste comprehensive plan as applicable and the basis for calculating the facility's life;
  - (C) The design of bottom and side liners;
- (D) Identification of materials for daily cover and borrow sources for final cover and soil liners;
  - (E) Interim/final leachate collection, treatment, and disposal;
  - (F) Leachate detection where applicable;
  - (G) Fugitive dust controls;
- (H) Trench design, fill methods, elevation of final cover and bottom liner, and equipment requirements;
  - (I) The run-on and runoff system;
  - (J) The design to avoid washout;

- (K) Filling phases, interim cover and final cap elevation; interim cover should be minimized depending on site specific topography and projected filling phases;
- (L) Closure/post-closure design, construction, maintenance, and land use;
  - (M) Signs, fencing, and road paving; and
- (N) Scales, employee amenities, communication, and unloading areas.
  - (iii) An operation plan that addresses:
- (A) Operation and maintenance of leachate collection, treatment, and disposal systems;
  - (B) Operation and maintenance of fugitive dust controls;
- (C) Monitoring plans for groundwater, surface water, soils and ambient air to include sampling technique, frequency, handling, and analysis requirements;
  - (D) Safety and emergency accident/fire plans;
  - (E) Routine filling, grading, cover, and housekeeping; and
- (F) Record system to address records on weights (or volumes), number of vehicles, and the types of waste received.
  - (iv) A closure plan that addresses:
  - (A) Estimate of closure season/year;
  - (B) Capacity of site in volume and tonnage;
- (C) Maintenance of active fill versus completed, final covered acreage;
- (D) Estimated closure construction timing and notification procedures;
  - (E) Inspection by regulatory agencies;
  - (F) Items required in WAC 173-306-410(3); and
- (G) Identification of final closure cost including cost calculations and funding mechanisms.
  - (v) A post-closure plan that addresses:
  - (A) Estimated time period for post-closure activities;
- (B) Site monitoring of ash monofill, soil, air, groundwater, and surface water;
  - (C) Deed clause changes, land use, and zoning restrictions;
  - (D) Maintenance activities to maintain cover and runoff systems;
  - (E) Items required in WAC 173-306-410(6);
- (F) Identification of post-closure costs including cost calculations and funding mechanisms; and
  - (vi) Other information as required by the department.
- (c) Application contents for treatment (including solidification and stabilization) standards. In addition to the requirements of (a) of this subsection, each application for a treatment permit must contain:
- (i) Preliminary engineering reports/plans and specifications that address:
- (A) The chemical and physical principle(s) upon which the treatment is based, including laboratory, pilot plant, prototype, or full-scale data with sufficient detail to assure the department that the treatment process is feasible and to allow the department to specify capacity and operating conditions;
- (B) Tank, reaction vessel, furnace, total-enclosed treatment facility and container designs and the basis for selecting the materials of construction and the thickness of the treatment device (such as corrosion data) or protective lining;
- (C) Fugitive dust controls, including conveyor, transport, unloading, and building design;

- (D) Instrumentation and process control design to assure operating within conditions specified in the permit;
- (E) Warning signs and occupational health and safety engineering controls;
  - (F) Monitoring equipment; and
  - (G) Other factors as required by the department.
  - (ii) An operation plan that addresses:
  - (A) Operation and maintenance of the treatment device;
  - (B) Operation and maintenance of fugitive dust controls;
- (C) Monitoring as required in WAC 173-306-500 and the department on a case-by-case basis; and
- (D) Safety, occupational health, and emergency accident/fire plans.
  - (iii) A closure plan that addresses:
  - (A) Estimate of closure year and cost;
- (B) Methods of removing wastes and cleaning or decontaminating reaction devices and final disposal of both;
  - (C) Closure timing and notification procedures;
  - (D) Final inspection by regulatory agencies;
  - (E) Items required in WAC 173-306-410(3); and
  - (iv) Other information as required by the department.
- (d) Application contents for utilization facilities. In addition to the requirements of (a) of this subsection, each application for utilization must contain:
  - (i) For accumulation before utilization facilities:
- (A) The method of calculating the percent of ash being reused within a calendar year; and
- (B) Compliance with the generator management plan storage requirements of WAC 173-306-200 (3)(d)(i) and (ii) if accumulation is by the generator; or
- (C) Compliance with the monofill facility standards of WAC 173-306-440 if accumulation is by a disposal facility.
  - (ii) For reuse constituting disposal facilities:
- (A) Information supplied by the applicant pertaining to the factors of WAC 173-306-490 (2)(b)(iii); and
  - (B) Other information as required by the department.
- (2) Application contents for permits for existing facilities. Owners or operators of existing facilities applying for a permit to comply with the requirements of WAC 173-306-310 shall include:
- (a) The information required in subsection (1)(a) of this section; and
  - (b) Other information as required by the department.

[Statutory Authority: Chapter 70.138 RCW. WSR 00-19-018 (Order 00-17), \$173-306-330, filed 9/8/00, effective 10/9/00; WSR 90-10-047, \$173-306-330, filed 4/30/90, effective 5/31/90.]