

**TITLE 18. ENVIRONMENTAL QUALITY**  
**CHAPTER 9. WATER POLLUTION CONTROL**  
**ARTICLE 3. AQUIFER PROTECTION PERMITS - GENERAL PERMITS**  
**PART A. GENERAL PROVISIONS**

**R18-9-A313. Facility Installation, Operation, and Maintenance for Onsite Wastewater Treatment Facilities**

- A.** Facility installation. In addition to installation requirements in the general permit, the applicant shall ensure that the following tasks are performed, as applicable:
1. The facility is installed as described in design documents submitted with the Notice of Intent to Discharge;
  2. Components are installed on a firm foundation that supports the components and operating loads;
  3. The site is prepared to protect native soil beneath the soil absorption area and in adjacent areas from compaction, prevent smeared absorption surfaces, minimize disturbances from grubbing, and otherwise preclude damage to the disposal area that would impair performance;
  4. Components are protected from damage at the construction site and installed in conformance with the manufacturer's instructions if consistent with this Article;
  5. Treatment media are placed to achieve uniform density, prevent differential settling, produce a level inlet surface unless otherwise specified by the manufacturer, and avoid introduction of construction contaminants;
  6. Backfill is placed to prevent damage to geotextile, liners, tanks, and other components;
  7. Soil cover is shaped to shed rainfall away from the backfill areas and prevent ponding of runoff; and
  8. Anti-buoyancy measures are implemented during construction if temporary saturated backfill conditions are anticipated during construction.
- B.** Operation and maintenance. In addition to operation and maintenance requirements in the general permit or specified in the operation and maintenance manual, the permittee shall ensure that the following tasks are performed, as applicable:
1. Pump accumulated residues, inspect and clean wastewater treatment and distribution components, and manage residues to protect human health and the environment;
  2. Clean, backwash, or replace effluent filters according to the manufacturer's instructions, and manage residues to protect human health and the environment;
  3. Inspect and clean the effluent baffle screen and pump tank, and properly dispose of cleaning residue;
  4. Clean the dosing tank effluent screen, pump switches, and floats, and properly dispose of cleaning residue;
  5. Flush lateral lines and return flush water to the pretreatment headworks;
  6. Inspect, remove and replace, if necessary, and properly dispose of filter media;
  7. Rod pressurized wastewater delivery lines and secondary distribution lines (for dosing systems), and return cleaning water to the pretreatment headworks;
  8. Inspect and clean pump inlets and controls and return cleaning water to the pretreatment headworks;
  9. Implement corrective measures if anomalous ponding, dryness, noise, odor, or differential settling is observed;
  10. Inspect and monitor inspection and access ports, as applicable, to verify that operation is within expected limits for:
    - a. Influent wastewater quality;
    - b. The pressurized dosing system;
    - c. The aggregate infiltration bed and mound system;
    - d. Wastewater delivery and the engineered pad;
    - e. The pressurized delivery system, filter, underdrain, and native soil absorption system;
    - f. Saturation condition status in peat and other media; and
    - g. Treatment system components;
  11. Inspect tanks, liners, ports, seals, piping, and appurtenances for watertightness under all operational conditions;
  12. Manage vegetation in areas that contain components subject to physical impairment or damage due to root invasion or animals;
  13. Maintain drainage, berms, protective barriers, cover materials, and other features; and
  14. Maintain the usefulness of the reserve area to allow for repair or replacement of the on-site wastewater treatment facility.