

4.8 Extended Treatment Package System

Revision: December 10, 2014

Installer registration permit: Complex

Licensed professional engineer required: No

4.8.1 Description

Manufactured and *packaged* mechanical treatment devices that provide additional biological treatment to septic tank effluent. Such units may use extended aeration, contact stabilization, rotating biological contact, trickling filters, or other approved methods to achieve enhanced treatment after primary clarification occurs in an appropriately sized septic tank. These systems provide secondary wastewater treatment capable of yielding high-quality effluent suitable for discharge in environmentally sensitive areas.

ETPS are required to have annual maintenance and effluent quality testing performed and reported to the Director as described in section 4.8 (IDAPA 58.01.03.005.14). This maintenance is to be performed by an approved O&M entity (IDAPA 58.01.03.009.03). Property owners that install an ETPS unit must choose an O&M entity capable of meeting their maintenance and effluent testing needs. Verification of the chosen O&M entity shall be submitted with the subsurface sewage disposal permit application ensuring that the operation, maintenance, and monitoring (effluent quality testing) will occur (IDAPA 58.01.03.005.04.k). Property owners that do not want to meet these operation and maintenance requirements must meet the requirements of section 4.8.2(2) or choose another alternative system that will meet the conditions required for subsurface sewage disposal permit issuance.

4.8.2 Approval Conditions

1. A maintenance entity will be available to provide continued device operation and maintenance. Approval of the O&M entity will be made by the Director prior to permit issuance. Approvable entities may include, but are not limited to, the following:
 - a. Municipal wastewater treatment departments
 - b. Water or sewer districts
 - c. Nonprofit corporations (section 1.6)

An O&M entity membership agreement and an accompanying general access easement should be entered into between the property owner and the O&M entity, as a necessary condition for issuing an installation permit (IDAPA 58.01.03.005.04.k). This agreement and the easement will be recorded with the county as a condition for issuing an installation permit.

2. ETPSs may be used for properties without an approved O&M entity **only under all of the following conditions:**
 - a. The site is acceptable for a standard system. All separation distances from ground water, surface water, and limiting layers shall be met.
 - b. Enough land is available, and suitable, for two full-size drainfields. One complete full-size drainfield shall be installed.