

4.10 Extended Treatment Package System

Revision: July 18, 2013

4.10.1 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 primary clarifier (septic tank). These systems provide secondary wastewater treatment capable of yielding high-quality effluent suitable for discharge in environmentally sensitive areas.

4.10.2 Operation, Maintenance, and Monitoring Conditions for Approval

Procedures relating to operation, maintenance, and monitoring are required by IDAPA 58.01.03 (section 8.1) or may be required as a condition of issuing a permit, per IDAPA 58.01.03.005.14 (section 8.1) to ensure protection of public health and the environment. Operation and maintenance tasks must follow those recommended by the manufacturer.

1. A maintenance entity will be available to provide continued device operation and maintenance (O&M). Approval of the O&M Entity will be made by the Director before issuance of a permit. Approvable entities may include the following:
 - a. Municipal wastewater treatment departments
 - b. Water or sewer districts
 - c. Corporations

An O&M Agreement and an accompanying general access easement should be entered into between the property owner and the Nonprofit O&M Entity, as a necessary condition for issuing an installation permit. This agreement and the easement will be recorded with the County as a condition for issuing an installation permit.

2. Extended Treatment Package Systems (ETPS) may be used for single-family dwellings without an approved maintenance entity **only under all of the following conditions:**
 - a. The site is acceptable for a standard system. All separation distances from ground water and surface waters, limiting layers, and soil types shall be met.
 - b. Enough land is available, and suitable, for two full-size drainfields. One complete full-size drainfield shall be installed.
 - c. A state-approved effluent filter shall be used at the outlet of the package treatment system and before the drainfield.
3. Final effluent disposal will meet the following criteria:
 - a. Surface discharge. System owner will apply for a National Pollution Discharge Elimination System Permit (NPDES) from the United States Environmental Protection Agency (EPA). Effluent quality will meet the applicable requirements