



Aerobic Treatment Units (ATU) and Performance-Based Treatment Systems (PBTS) Construction & Operation

- Wastewater Treatment Standards
- Treatment System Determinations
- ATU Standards and Effluent Characteristics
- PBTS Standards and Effluent Characteristics
- Operating Permit Requirements
- Annual Operating System Inspections
- Maintenance Entities
- System Maintenance Requirements

ATU and PBTS Standards are outlined in:

- Construction, Permitting, Operation, and Maintenance Standards:
 - In rule:
 - 64E-6.012 (ATUs)
 - 64E-6.025 through .0295 (Performance-based and Innovative Systems)
 - In Florida Statutes:
 - 381.0065(3)(f),
 - 381.0065(4),
 - 381.0655(2)(c),
 - 381.0066(2),

64E-6.012	STANDARDS FOR THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF AEROBIC TREATMENT UNITS
PART IV	PERFORMANCE-BASED TREATMENT SYSTEMS
64E-6.025	DEFINITIONS
64E-6.030	APPLICATION FOR INNOVATIVE SYSTEM PERMITS AND SYSTEM CONSTRUCTION PERMITS
64E-6.031	PERMITS AND INSTALLATION
64E-6.032	ABANDONING
64E-6.033	INNOVATIVE SYSTEM RECLASSIFICATION
CHAPTER 381.0065, F.S.	ON-SITE WASTEWATER TREATMENT AND DISPOSAL SYSTEMS REGULATION
CHAPTER 381.0655, F.S.	CONNECTION OF EXISTING OUTFALLS TO CENTRAL WASTEWATER TREATMENT REQUIREMENTS
CHAPTER 381.0066, F.S.	ON-SITE WASTEWATER TREATMENT AND DISPOSAL SYSTEMS FEES

The standards outlined in these sections can be summarized as follows:

Wastewater Treatment Standards & system Operating Requirements:

- All of these concessions are based on the requirement that the systems perform as proposed. As such, they require:
 - Engineer design and review of performance by the department.
 - For ATU(s), this is done by the Bureau, and is based on NSF Standard 40 testing reports submitted by the manufacturer.
 - For PBTS(s), the design, manual, and testing results are first reviewed by the Bureau and a listing of approved components is provided.
 - The individual systems are designed by an engineer using these components.
 - The individual system designs are reviewed by the County Health Department to ensure the proposed Operating Standards can be met by the design.
 - If needed, these designs can be forwarded to the Bureau Office for review by a State Engineer.
 - For designs not based on approved components or using approved components in ways not supported by existing test documentation; there is an Innovative System application process, which is reviewed by a State Engineer at the Bureau of Onsite Sewage Programs.

Operating Permit Requirements

- By rule and statute, a Biennial Operating Permit is required prior to use of an ATU or PBTS.
 - The permit application, fee, and maintenance contract must be received by the County Health Department prior to final approval of system construction.
 - The permit must specify the operating conditions, including the sampling and testing requirements that must be provided by the design engineer.
 - The permit is issued in the name of the property owner, but is mailed to the approved maintenance entity.
 - Once issued, the approved maintenance entity must handle all of the required interaction with the DOH and the homeowner (collection and payment of fees, sampling, reporting, etc.) – the homeowner should not need to contact the CHD.
 - The operating permit is non-transferrable. At the time the owner of a residence or business changes, or a tenant of a business changes, a new permit must be applied for.
 - Operating permits are not renewed – they are applied for, reviewed, and issued at the beginning of each permit cycle.

ATU and PBTS Operating Permits:

- The permits bear:
 - Permit Type
 - Permit Number
 - Permit Owner and Location
 - Conditions of Operation
 - Expiration Date

Regulatory Items

Location on the Permit



ATU and PBTS Operating Permits require multiple inspections throughout the permit cycle.
