

Commonwealth of Pennsylvania
Department of Environmental Protection (DEP)
Bureau of Water Standards and Facility Regulation
Harrisburg, PA

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Technology: Floating outlet (Flout®) siphon

Classification Type: Alternate technology

Classification Date: September 24, 2009

In accordance with Title 25, Chapter 73, Section 73.72, DEP has classified the floating outlet (Flout®) siphon component for use as part of an alternate onlot sewage treatment system. This classification permits the use of the Flout as a component used for the specific purposes of controlling the discharge of sewage through improved dosing.

I. Technology Description

The Flout consists of one or more lengths of PVC pipe (the Flout body) that are attached to the dosing tank discharge pipes by a flexible coupling. The PVC pipes are equipped with floats that cause the Flout body to rise off the dosing tank floor as the tank fills. The location of the discharge hole(s) in the Flout body allows the pipe(s) to rise rather than flood. When the effluent level rises high enough, the water overflows into the Flout body, causing the Flout to lose buoyancy and sink to the tank bottom. This action opens a direct path for the effluent to flow out of the tank and into the absorption area. When the effluent level falls below the discharge hole of the Flout body, the effluent remaining inside the body drains into the absorption area, and the cycle begins again.

II. Design Requirements

Design and installation must follow the manufacturer's specifications.

III. Minimum Maintenance Standards

Annual inspection of the Flout mechanism by the maintenance provider.

IV. Permitting Requirements

The SEO is responsible for ensuring that all components of the systems have been installed in compliance with the above conditions.

V. Planning Requirements

Not Applicable