

Well and Onsite Wastewater Facts WASTEWATER TECHNOLOGY

FSN - 8

Loudoun County Health Department

July 2016

Component Type: Treatment

Function: A peat media filter provides secondary treatment or better.

Manufacturers:

Puraflo – Anua
PO Box 77457
Greensboro, NC 27417

Ecoflo -- Premier Tech Environment
6021 Terrace Hills Drive
Birmingham, AL 35242

Eco-Pure Planet Care Inc.
4102 Bob White Blvd.
Palaski, VA 24301

First approved in Virginia: 1995

Number installed in Loudoun County: 530

Allowance to reduce dispersal field footprint: Yes

Description of Use

The construction of the technology is quite simple. Tanks are filled with peat moss. The top of the tank has a place to distribute the water evenly over the peat moss below. The bottom of the tank has a place to collect the water. The peat is an excellent media for allowing the treatment mechanism's to take place: Physical (Absorption and filtration), Chemical (Adsorption, ion exchange), and Biological (Microbial assimilation). As a result, these systems are typically capable of removing 90% or more of the polluted mater (characterized as BOD, SS, Coliforms and E. Coli).

Recommended Maintenance Required

Maintenance of the peat media is minimal. Maintenance is recommended at least once a year to assure the other system components are operating properly, such as the dosing from a septic tank, other electrical components, pumps, and site. The peat media is adversely affected by over use of water from leaking fixtures, surface water, or ground water intrusion through leaking tanks. Peat life has been estimated to be 15 years, but is often less.

Peat Media

