



Puraflo® Peat Fibre Biofilter

Virginia: Replacing Peat Media

(Note: The life of Puraflo® peat media is estimated to be proximally 15 years when the system is installed and operated properly. Replacing media without correcting potential problems may lead to a shorter lifespan.)

Needed:

- 1 Request Repair Permit, if required by local Health Department.
- 2 Licensed Installer or Service Provider to oversee changing out of peat media.
- 3 Bord na Mona Trainer or Replacement trained professional to oversee installation if needed.
- 4 Paint Filter testing of spent media before removing peat
- 5 Contact Deposal site (landfill) and send paper work and testing results. Each landfill requires different testing and paper work. Call Bord na Mona for requirements.
- 6 Contact Deposal site (landfill) and secure Date, Time, and Payment
- 7 50 lbs of lime to stabilize spent peat from each modules
- 8 Backhoe, skid loader, or other equipment to lift 1500 lbs. of peat / transport modules.
- 9 Equipment to remove peat from Modules by hand or shoveling.
- 10 Two workers with pitchforks & shovels.
- 11 Water Tight container or truck for transporting to landfill
- 11 Two ½" wrenches, shovels and forks, water hose, wet vacuum, power cord.
- 12 1" and 1.25" PVC union or coupling (one per module), saw, primer, & glue.
- 13 Water and power source to reach module area.
- 14 50 lbs. (four 5 gal. buckets full) of clean septic stones or 1 inch gravel per module to fill bottom of module.
- 15 Replacement media from Bord na Móna (2.25 meters³ peat or 1.25 cubic bags per module).

Process:

1. Remove lids.
2. Shovel out all peat media (Must not have standing water). Add lime as spent media is being removed.
3. Clean or Wet vacuum very bottom for finial cleaning.
4. Remove grid if needed. (cut on horizontal piping)
5. Ensure that all drain holes are open & flowing (trench type system will have two open holes on one side & two plugged holes on the other).
6. Run pump to ensure that inlet piping is open.
7. Place 200 lbs. + of 1 inch gravel over outlet holes and around module drain channels.
8. Place peat media in modules up to 2nd step (1/2 bag) and walk on it to pack it.
9. Place peat media to grid level (1/2 bag) and walk on it to pack it.
10. Replace grid, (slide under center bar if needed, bar and spring over back bar) glue together with 1 ¼ inch union or coupling, ensuring that the grid is strapped to cross bars with stainless steel straps and level (do not cover grid until all grids are in and checked)
11. Run pump and insure all grids are receiving same amount of water and evenly dispersing water over media (pushes or pulls bars to level grid).
12. Place peat media to 6 inches above grid (1/4 bag) and level out. DO NOT step on grid.
13. Replace lids (bolt one side down at a time). Use crowbar if needed to fix lid.
14. Perform draw down test & verify that the control panel is set properly.

Paper work and testing required at Waste Management landfills.

- 1 Signed agreement with Waste Management landfill
- 2 Completed Credit Application with Waste Management landfill
- 3 Certification letter on Company Letter Head that spent media is Lime Stabilized.
- 4 Testing.
 - a. Paint Filter test. (see page 3 Paint Filter paper work)

Testing:

- Step 1: Take a representative Pint size sample of spent media from each module.
- Step 2: Mix
- Step 3: Package pint zip lock bags. Double bag.
- Step 4: Fill out paper work (see instruction).

Send one quart bag with completed Paint Filter Testing paper work to:
Environmental Chemists, Inc.
Mr. Jay Baker
6602 Windmill Way
Wilmington, NC 28405
Phone: 910-392-0223
Fax: 910-392-4424

- 5 Contact lab and arrange for payment.
- 6 Completed Generators Non Hazardous Waste Profile Sheet (page 7 & 8 and 9 & 10)
For Waste Management Sites

Paint Filter Test: EPA 9095A

For Puraflo Peat

DATE: _____

Sampled by: _____

Site ID: _____

Site Location: _____

Service Provider Information:

Company Name: _____

Mailing Address: _____

Phone: _____

Mail Sample to:

Environmental Chemists, Inc.
Mr. Jay Baker
6602 Windmill Way
Wilmington, NC 28405
Phone: 910-392-0223
Fax: 910-392-4424

Call: 910-392-0223 for Payment options.

Generator's Nonhazardous Waste Profile Sheet



Requested Disposal Facility _____ Profile Number _____
 Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: _____
 2. Site Address: _____ 7. Email Address: _____
 3. City/ZIP: _____ 8. Phone: _____ 9. FAX: _____
 4. State: _____ 10. NAICS Code: _____
 5. County: _____ 11. Generator USEPA ID #: _____
 6. Contact Name/Title: _____ 12. State ID# (if applicable): _____

B. Customer Information same as above

P. O. Number: _____

1. Customer Name: _____ 6. Phone: _____ FAX: _____
 2. Billing Address: _____ 7. Transporter Name: _____
 3. City, State and ZIP: _____ 8. Transporter ID # (if appl.): _____
 4. Contact Name: _____ 9. Transporter Address: _____
 5. Contact Email: _____ 10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION
 a. Common Waste Name: _____ State Waste Code(s): _____
 b. Describe Process Generating Waste or Source of Contamination:

 c. Typical Color(s): _____
 d. Strong Odor? Yes No Describe: _____
 e. Physical State at 70°F: Solid Liquid Powder Semi-Solid or Sludge Other: _____
 f. Layers? Single layer Multi-layer NA
 g. Water Reactive? Yes No If Yes, Describe: _____
 h. Free Liquid Range (%): _____ to _____ NA(solid)
 i. pH Range: ≤2 2.1-12.4 ≥12.5 NA(solid) Actual: _____
 j. Liquid Flash Point: < 140°F ≥ 140°F NA(solid) Actual: _____
 k. Flammable Solid: Yes No
 l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Concentration %	Constituents (Total Composition Must be ≥ 100%)	Concentration %
1. _____	_____	4. _____	_____
2. _____	_____	5. _____	_____
3. _____	_____	6. _____	_____

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
 a. Event Base/Ongoing (Check One)
 b. Estimated Annual Quantity: _____ Tons Cubic Yards Drums Gallons Other (specify): _____
 c. Shipping Frequency: _____ Units per Month Quarter Year One Time Other
 d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) Yes No
 e. USDOT Shipping Description (if applicable): _____
 3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____



Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. Yes No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. Yes No
 - Delisted Hazardous Waste Excluded Wastes Under 40 CFR 261.4
 - Treated Hazardous Waste Debris Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. Yes No
4. Does the waste represented by this waste profile sheet contain radioactive material? Yes No
 - a. If yes, is disposal regulated by the Nuclear Regulatory Commission? Yes No
 - b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? Yes No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? Yes No
 - a. If yes, is disposal regulated under TSCA? Yes No
6. Does the waste contain untreated, regulated, medical or infectious waste? Yes No
7. Does the waste contain asbestos? Yes No If Yes, Friable Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? Yes No
 - If yes, does the waste contain <500 ppmv VOHAPs at the point of determination? Yes No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:

- Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
- Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
- Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
- I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
- By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: _____ Title: _____
 Company Name: _____ Name (Print): _____
 Date: _____

FOR WM USE ONLY

- Management Method: Landfill Bioremediation Approval Decision: Approved Not Approved
- Non-hazardous solidification Other: _____ Waste Approval Expiration Date: _____
- Management Facility Precautions, Special Handling Procedures or Limitation on approval: _____
- Shall not contain free liquid
 - Shipment must be scheduled into disposal facility
 - Approval Number must accompany each shipment
 - Waste Manifest must accompany load
- WM Authorization Name / Title: _____ Date: _____
 State Authorization (if Required): _____ Date: _____

WM Generator's Nonhazardous Waste Profile Sheet EXAMPLE

A. Waste Generator Facility Information

- 1 Name: John Doe
- 2 Site Address: 123 Baker Street 7. Email Address: John@loa.com
- 3 City/Zip: Glenn, 22047 8. Phone: 804-564-9210 9. Fax: 804-645-9210
- 4 State: VA 10. NAICS code: NA
- 5 County: Hanover 11. Generator USEPA ID #: NA
- 6 Contact Name: John/ owner 12. State ID #: NA

B. Customer Information

- 1 Customer Name: Jerry Septic Service 6. Phone: 804-921-0564 FAX: 804-921-1564
- 2 Billing Address: PO Box 7745 7. Transporter Names: Jerry Septic Service
- 3 City, State, Zip: Al, VA 27022 8. Transporter ID#: NA
- 4 Contact Name: Jerry Smith 9. Transporter Address: PO BOX 7745
- 5 Contract Email: Jerry@loa.com 10. City, State, Zip: Al, VA 27022

C. Waste Stream Information

1 Description

- a. Common Waste Name: Peat Fiber State Waste Code (s); NA
- b. Describe Process Generating Waste Or Source of Contamination:
Puraflo Peat biofilter of septic tanks,
- c. Typical Color: Brown Black
- d. Strong Odor? NO
- e. Physical State at 70F: Solid
- f. Layers? Multi-Layer
- g. Water Reactive no
- h. Free Liquid Range % NA (solid)
- i. pH range 2.1-12.4
- j. Liquid Flash Point NA (solid)
- k. flammable solid NO
- l Physical Constituents:
 - 1. Peat Fibre 98%
 - 2 Stone 2%

2 Estimated Quantity of Waste and Shipping Information

- a. Event
- b. Estimated Annual Quantity: # of Tons.
- c. Shipping Frequency One Time
- d. Is this a U.S. DOT Hazardous Material NO
- e. UDSOT shipping description NA

3 Safety Requirements Gloves

