



May 21, 2010

BORD NA MONA  
ENVIRONMENTAL PRODUCTS U.S. INC.  
COLIN BISHOP, R.S.  
PO BOX 77457  
GREENSBORO NC 27417

Re: Description: SEWAGE TREATMENT SYSTEM, SINGLE PASS PEAT FILTER  
Manufacturer: BORD NA MONA  
Product Name: PURAFLO® PEAT BIOFILTER  
Model Number(s): SEALED MODULES

DESCRIPTION: Closed-bottom modules containing proprietary bio-fibrous peat media (Puraflo® fibre) downstream of septic/pump or siphon tanks as secondary treatment for residential strength wastewater.

[MODULE DIMENSIONS = 7.08 FT. LONG, 4.58 FT. WIDE, 2.5 FT. HIGH; MAX. DWF 150 gpd/module; MAX. 0.3755 BOD5 lbs./day per module)

Product File No: 20100163

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of May 2015.**

This approval is contingent upon compliance with the following stipulation(s):

- **All manhole covers terminating above grade must have effective locking devices.**
- This product must not receive wastewater that has had septic tank additives introduced into the wastewater.
- Approval is issued for this product because the design of the product meets the intent of s. Comm 83.15 (6), Wis. Adm. Code that requires other types of sewage treatment tanks be constructed in accordance with s. Comm 83.20, Wis. Adm. Code. The intent of the code is met since this product provides an acceptable means of treating wastewater when it is installed in accordance with its approval.
- **Effluent from this product must be discharged to an acceptable POWTS treatment and dispersal component that complies with ch. Comm 83 of the Wisconsin Administrative Code.**
- **Additional filtration to < 1/8" may be required downstream of this device; POWTS design will be checked at plan review.**
- **A copy of this approval letter and the manufacturer's printed installation and maintenance instructions must be supplied to the buyer of this product and the property owner.**
- **The installation of this product requires a properly licensed person to perform the installation and requires issuance of a state Sanitary Permit by the governmental unit (county) prior to the installation taking place.**

- The installation of this product must comply with the following conditions:
  1. The peat, interior piping and other components of the module must be supplied by the manufacturer.
  2. The design wastewater flow to each module must not exceed 150 gallons per day.
  3. The wastewater influent strength must be residential strength.
  4. **Maximum particle size in the influent must not exceed 1/16 of an inch. Upstream tank must include a Department-approved effluent installed in accordance with the product approval for the filter including properly sized and located access opening for service and maintenance.**
  5. **The influent to the modules must be time-dosed by the means of pressure distribution or siphon.**
  6. The maximum volume of a single dose must be between 7 and 12 gallons per module.
  7. The influent flow must be between 7 and 15 gallons per minute per module.
  8. **The effluent from each module must be collected and discharged to a treatment/dispersal cell by the use of pressure distribution or siphon.**
  9. The top of cover for each module must be at least 4 inches above finish grade.
  10. **As of March 1, 2009 all electrical connections for private sewage systems must comply with s. COMM 16.300 wiring methods.**
- **BEDDING: The pad and/or trench bottom must be level. Fill and level the excavated area (also referred to as the foot-print area) with clean No. 5 (3/4 to 1 inch) broken stone to a minimum depth of 6 inches.**

**TABLE 1  
INSPECTION, MAINTENANCE AND PUMPING  
PRODUCT/ (Models): BORD NA MONA PURAFLO**

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**Initial/Startup Inspection/ Maintenance: serviced by manufacturer's representative or so trained credentialed person**  
**Routine Inspection/Maintenance: replace Puraflo® fibre every 3-7 yrs. depending on use**  
**Ongoing Pumping Cycle And/Or Requirements: N/A**  
**Upstream stream Effluent Filter: see stipulations herein**  
**Back-Wash Cycle: N/A**  
**Effluent Performance Levels: CLASS I NSF-40 LISTED**  
**BOD5 Credit For Downsizing Distribution Area: YES \***  
**Fecal Credit For Reduction Of Vertical Separation: YES\***  
**Additional Comments: NONE**

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**\* Proper function based on domestic wastewater or flows with similar wastewater characteristics.**

- Additional information is included as attachment(s) to this letter; see attachment A.

This approval supersedes the approval issued on 3/29/2005 under product file number 20050141.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number #20050141.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST  
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