



March 17, 2015

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 Model(s) P150N*3B
(the number preceding B compares to the number of modules in the design, based on 150 gpd/module)

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.TALL; MAX. DWF 150 gpd/module; MAX. 0.3755 BOD5 lbs./day per module

Product File No: 20150034

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, 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 March 2020.**

This approval supersedes the approval issued on 5/21/2010 under product file number 20100163.

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

- All manhole covers terminating at or above grade must have effective locking devices.
- This product must not receive wastewater that has had septic tank additives introduced into the wastewater.
- Effluent from this product must be discharged to an acceptable POWTS treatment and dispersal component that complies with ch. SP 383 of the Wisconsin Administrative Code.
- Additional filtration to >1/8 in. 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.
- 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) stone to a minimum depth of 6 inches.

- 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 filter 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. SPS 16.300 wiring methods.

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

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

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

- Approval is issued for this product because the design of the product meets the intent of s. SPS 383.44, Wis. Adm. Code that requires sewage treatment components be constructed in accordance with s. SPS 384.25, 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 this approval.

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,

Glen Jones, M.S.
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