



October 11, 2013

INFILTRATOR SYSTEMS INC.
GOVERNMENT AFFAIRS DEPARTMENT
4 BUSINESS PARK RD
PO BOX 768
OLD SAYBROOK CT 06475

Re: Description: LEACHING SYSTEM, POLYSTYRENE AGGREGATE
Manufacturer: INFILTRATOR SYSTEMS INC.
Product Name: EZFLOW DRAINAGE SYSTEMS
Model Number(s): EZ1203H (3-12" bundles with pipe in center bundle in 5 ft. or 10 ft. length).
EZ1203HP (3-12" bundles with pipe in each bundle in 5 ft. or 10 ft. length).
EZ1201P (1-12" bundle with pipe in 5 ft. or 10 ft. lengths), EZ1201A (1-12" bundle containing aggregate only).
EZ0701A (1-7" bundle containing polystyrene aggregate only in 5 ft. or 10 ft. lengths).
EZ1203H-GEO (1-12" bundle with non-woven geotextile fabric installed at 180 degrees on the upper side of the bundle, pipe in 5 ft. or 10 ft. lengths).

(EISA of EZ1203 H, EZ1203H-GEO or EZ1203HP in 5 ft. lengths = 25.0 sq. ft./product,
EISA of EZ1203 H; EZ1203H-GEO; EZ1203HP in 10 ft. lengths = 50.0 sq. ft./product,
Width = 36 inches, Height = 12 inches, Max. depth of bury = 8 ft.).

Product File No: 20130145

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 alternate approval to s. SPS 383.44(4)(a)1.a.; 384.30(6)(k) based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This alternate approval is valid until the end of October 2018.**

This alternate approval supersedes the approval issued on 4/10/2012 under product file number 20120139.

This alternate approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20120139.

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

- This product must be installed in accordance with the manufacturer's printed instructions, product approval, and plan approval. If there is a conflict between the manufacturer's instructions and the product approval and/or plan approval, the product approval and/or plan approval will take precedence.
- When this product is installed in a dispersal cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, this product must receive wastewater having a BOD5 value less than or equal to 220 mg/L, a TSS value less than or equal to 150 mg/L and a FOG value less than or equal to 30 mg/L on a monthly average.
- When this product is installed in a dispersal cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, this product must be installed in individual excavations that create a dispersal cell that is horizontally separated from other dispersal cells in other excavations by at least 3 feet. The 3-foot measurement is measured between the closest outside edges of the product listed in the regarding block of the product approval letter.

- When this product is installed in a dispersal cell that is sized based on the EISA rating stated in the regarding block of the product approval letter, this product must be installed in a dispersal system, which has the top of the dispersal cell at or below original grade of insitu soil.
- This product must have geotextile fabric that meets requirements of s. SPS 384.30 (6) (g), Wis. Adm. Code, installed directly on top of the product and extending down along the sides of the product to a point at least 6 inches from the bottom of the product.
- This product may be installed in dispersal cells in place of stone aggregate specified in approved POWTS Component Manuals or Department approved systems. When the distribution cell is not sized based on the EISA rating, the dispersal cell area must be equal to or greater than the area required for stone aggregate.
- This product may be installed at a depth that exceeds the maximum depth stated in the regarding block of this approval, when the manufacturer provides in writing that the proposed installation depth is acceptable for the individual installation.
- The following stipulations apply only to the EZ1203H-GEO, 1-12 in. and 3-12 in. bundles with non-woven geotextile fabric installed at 180 degrees on the upper side of the bundle, pipe in 5 ft. or 10 ft. lengths:
 1. When installing EZ1203H-GEO in 5 ft. or 10 ft. lengths, the product must be installed with the geotextile fabric facing upward.
 2. When installing the 3-12 in. bundles, trenches must be excavated no wider than 42 in., with a 36 to 40 in. trench width preferred. (Although EZ1203H-GEO is not, to date, recognized in the EZFLOW Mound Component Manual.)
 3. Geotextile fabric meeting the requirements of s. SPS 384.30 (6) (g), installed directly on top of the product and extending down along the sides of the product to a point at least 6 inches from the bottom of the product. When installing model EZ1203H-GEO, the fabric width shall be at least 5 ft. wide.
 4. When installing the 3-12 in. bundles, bands used in transport must remain intact during installation.
 5. Pipe connectors are necessary for the transition between differing pipe materials (e.g., polyethylene corrugated piping and PVC pipe), meeting s. SPS 384.40, and must be used to assure piping does not separate during construction and backfilling. (Example: Include pipe connector such as AC-VCOUPLER-4 for both Schedule 40 and 3034 PVC 4 in. pipe.)
- For gravity distribution of wastewater, the distribution cell piping shall meet the following conditions:
 1. The cell units (bundles) shall be 12 inches in diameter +/- 1 inch.
 2. The cell units (bundles) shall be manufactured in 5 and 10-foot length sections, +/- 2 inches.
 3. The 4-inch pipe within the bundle shall be certified as complying with ASTM F 405, Standard Specifications for Corrugated Polyethylene (PE) Tubing and fittings.
 4. The 4-inch pipe shall be offset from the center towards the top of the bundle whereby 5 to 6 inches of aggregate is located between the bottom of the pipe and the bottom of the bundle, and 2 inches of aggregate is located between the top of the pipe and the top of the bundle.
 5. The 4-inch pipe shall be connected by an internal coupling device to allow continuous connection from one bundle section to the next.
 6. The end-to-end gap distance between pipe containing bundle sections, as measured from the straps fixing the netting to the pipe or from the face edges of aggregate on adjoining bundles, shall be no greater than 3 inches.
 7. The header or manifold pipe connected to the 4-inch pipe within the bundle shall be at least 6 inches above the infiltrative surface of the distribution cell, or the 4-inch pipe within the bundle shall be connected to the header or manifold pipe using an adapter that raises the invert to at least 6 inches above the infiltrative surface.
- The EISA rating reduction may be used in dispersal cells less than 36 inches in width.
 1. The maximum excavation width of the dispersal cell is 42 inches for a 33 to 36 inch bundle.

- Otherwise as permitted in this Alternate Approval, the stipulations of the In-Ground Soil Absorption Component Manual for Private Onsite Wastewater Treatment Systems (Version 2.0) October 2012, [SBD-10705-P (N. 01/01; R. 10/12)] apply.
- A copy of the manufacturers' installation instructions shall be onsite and available at the time of installation.
- A copy of this alternate approval shall be onsite and available at the time of installation.
- Additional information is included as attachment(s) to this letter; see attachment A.

In granting this alternate approval the Division of Industry Services reserves the right to require changes or additions should conditions arise making necessary for code compliance. Nothing in this review shall relieve the manufacturer of the responsibility for designing a safe component into the built environment.

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,

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