



October 7, 2015

CHEROKEE ENTERPRISES
TOM DONAHOE
75D GOLF PARKWAY
MADISON WI 53704

GEOMATRIX LLC
DAVID POTTS
114 MILL ROCK ROAD EAST
OLD SAYBROOK CT 06475

Re: Description: SEWAGE TREATMENT APPARATUS (Tier 3- downsizing & vertical separation credit)
Manufacturer: GEOMATRIX LLC
Product Name: GEOMAT™ LEACHING SYSTEM (GLS) (trans id 2582216)
Model Number(s): 3900 GLS

DESCRIPTION:

(1 IN. H X 39 IN. W) proprietary Geomat™ Leaching Systems mat comprised of a core of fused, entangled plastic filaments with a geotextile fabric bonded the top and bottom placed over 12 inches of ASTM C33 sand accepting gravity and pressure distributed septic tank effluent.

Product File No: 20150199

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 384.25 (12), 384.30 (6)(i), 383.44 (5)(a), based on the Wisconsin Statutes and the Wisconsin Administrative Code.

This approval is valid until the end of October 2020.

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

- Alternate approval is issued for this product for gravity distribution because the design of the product meets the intent of s. SPS 383.44 (5) (a), Wis. Adm. Code requiring pressure distribution when using Tables 383.44-2 and 383.44-3 applications. 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.
- Alternate approval is issued for this product as a stone aggregate substitute for distribution because the design of the product meets the intent of s. SPS 384.30 (6) (i), 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.
- **INDIVIDUAL SITE DESIGN:** Each POWTS design utilizing the Geomat™ Leaching Systems must be submitted to the department as an Individual Site Design (ISD). Plan review for the installation of this product must be obtained from the department in accordance with s. SPS 382.22 (1) (b) of the Wis. Adm. Code.
- If there is a conflict between the manufacturer's instructions and the product approval and/or ISD plan approval, the product approval and/or ISD plan approval will take precedence.
- If and when a Geomat™ Leaching Systems Wisconsin component design and installation manual(s) becomes available, it would be an approved substitute for an ISD.

•

TABLE 1
INSPECTION, MAINTENANCE REQUIREMENTS
PRODUCT: Geomat™ Leaching Systems
MODEL NUMBERS: 3900 GLS (1 IN. H X 39 IN. W)

Initial/Startup Inspection/ Maintenance: serviced by manufacturer's representative or so trained credentialed person
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 VERIFIED
BOD5 Credit For Downsizing Distribution Area: YES
Fecal Credit For Reduction Of Vertical Separation: YES
Additional Comments: NONE

- A single zone Geomat™ installation is 39 IN. wide and is allotted equivalent width of infiltration area. A dual zone Geomat™ installation is 78 IN. wide and is allotted equivalent width of infiltration area. (See the Wisconsin Geomat™ Product Specifications attachment).
- ASTM C33 sand only is to be used in conjunction with this Geomat™ product as described in the Wisconsin Geomat™ Product Specifications (see attachment).
- Wisconsin approved septic tank effluent filters are to be used in conjunction with this Geomat™ product.
- When this product is included in a POWTS designed to meet Table SPS 383.44-3 and receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L, F.O.G. of less than or equal to 30 mg/L and fecal coliform of less than or equal to 10,000 cfu/100 ml.
- This product must not receive wastewater that has had septic tank additives introduced into the wastewater.
- 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,

Glen Jones, M.S.
POWTS Product Reviewer
phone: (608) 267-5265
fax: (608) 267-9723
email: glen.jones@wi.gov

The DSPTS is committed to service excellence. Visit our survey at:

www.surveymonkey.com/s/dspsiscustomersatisfaction