



# STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL HEALTH SECTION  
ENVIRONMENTAL ENGINEERING PROGRAM

September 30, 2010

David Potts  
Geomatrix Systems, LLC  
114 Mill Rock East  
Old Saybrook, CT 06475

Re: GeoMat Edge U-Shape Proprietary Leaching System Approval

Dear Mr. Potts:

This Department has reviewed the documentation you submitted on the Geomatrix GeoMat Edge U-Shape (GeoU) proprietary leaching systems. The product consists of a fused and entangled filament "mat" surrounded with geotextile filter fabric set on edge and arranged in serpentine fashion. An internal metal framework holds the serpentine arranged mat separation at 4 inches apart. Each product unit is 20 inches long and can be placed end-to-end with other product units until the desired leaching row length is achieved. A 2-inch diameter PVC (Sch. 40, ASTM D-1785) distribution pipe is laid along the center top edge of the serpentine arranged mat. After product placement, washed sand (ASTM C33) or select fill sand (no particles larger than 1/2 inch) is placed within the 4 inch separation between the serpentine arranged mat. A minimum of 2 inches of sand is placed on the top and bottom of the product and a minimum of 8 inches of sand is placed on both outside edges of the product.

A total of nine different GeoMat Edge U-Shape products of various heights and widths have been submitted for approval. The calculated effective leaching area (ELA) credits for the GeoMat Edge U-Shape leaching system products are as follows:

Product Name	Dimensions (W x H)	Effective Leaching Credit (SF/LF)	Center to Center Spacing (feet)
GeoU636	36" x 6.5"	8.0	9
GeoU672	72" x 6.5"	15.5	14
GeoU1236	36" x 12.5"	14.8	12
GeoU1272	72" x 12.5"	28.8	14
GeoU1836	36" x 18.5"	21.7	12
GeoU1846	46" x 18.5"	27.4	12
GeoU1851	51" x 18.5"	29.9 (max. allowed)	13
GeoU3921	21" x 39"	27.4	12
GeoU3926	26" x 39"	29.9 (max. allowed)	12



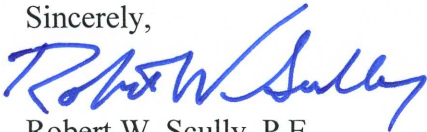
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Installation instructions were provided to this Department and are dated September 9, 2010. Any changes to these instructions must be forwarded to this office for our files. Storage volumes per linear foot of product have been provided. This information shall be used to aid in the setting of the dose volumes in pump systems.

Your September 10, 2010 cover letter noted that you will supply this Department with a professional engineer sealed H-20 wheel load detail for vehicular travel area applications for the GeoMat Edge U-Shape proprietary leaching system. Once the supporting documentation is received, this Department will include the GeoMat Edge U-Shape Series products on our list of approved proprietary leaching systems for vehicular travel applications.

This Department hereby APPROVES the Geomatrix GeoMat Edge U-Shape leaching systems with the noted ELA credits and center-to-center spacing. The Geomatrix GeoMat Edge U-Shape proprietary leaching systems will be incorporated into the next revision of the Technical Standards. This letter may be reproduced in its entirety as a means of notifying local health departments, engineers and installers of the product approval. This approval should not be construed to be an endorsement of this product, nor does it convey intellectual property rights.

Sincerely,



Robert W. Scully, P.E.  
Supervising Sanitary Engineer  
Environmental Engineering Program

C: Suzanne Blancaflor, M.S., M.P.H., Chief, EHS, DPH  
Code Advisory Committee  
Local Directors of Health  
Chief Sanitarians

P/RWS/Geomat Edge U Series Approval