STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

February 7, 2008

David Potts
Geomatrix Systems, LLC
385 Roast Meat Hill Road
Killingworth, CT 06419

Re: GeoMat Edge ST 600 Leaching System Approval

Dear Mr. Potts:

This Department has reviewed the documentation you submitted on the Geomatrix GeoMat Edge ST 600 proprietary leaching system. The product consists of fused and entangled filament "mats" surrounded with geotextile filter fabric with dimensions of 1 inch by 6 inches and is provided in 6 feet lengths. Multiple mats are surrounded on the bottom and sides by sand and are configured in a row with the mats orientated such that they are 6 inches high.

The installation of the GeoMat Edge ST 600 leaching systems requires use of a removable form provided by Geomatrix Systems, LLC. Four inches of sand is placed between the mats, and the mats are placed on a 2-inch minimum thick sand bed. The sand must minimally meet ASTM C-33 or select fill specifications. Perforated distribution pipe (for gravity systems) surrounded by ¾-inch stone (DOT No. 6 Stone) is placed on top of the center portion of the mats. Filter fabric is placed on top of the entire product including the stone. In certain cases where the GeoMat Edge ST 600 product is used in conjunction with Geomatrix's Soil Air technology, a layer of plastic sheeting is also placed over the product.

The calculated effective leaching area (ELA) credit for the GeoMat Edge ST 600 leaching system product is as follows:

Product Name	Dimensions (W x H)	Effective Leaching Credit (SF/LF)	Center to Center Spacing (feet)
GeoMat Edge ST 600	72" x 6"	14.0	14

Installation instructions were provided to this Department and are dated June 28, 2007. Any changes to these instructions must be forwarded to this office for our files. The installation instructions also stipulate that installations of GST products must be completed in the presence of an authorized Geomatrix representative or Geomatrix Systems, LLC, must certify the installer. The GeoMat Edge ST 600 leaching system cannot be utilized in vehicular travel areas unless a licensed CT professional engineer approves the system design.

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The product specification sheets submitted by Geomatrix Systems, LLC includes a stipulation that requires a flow equalization device be utilized whenever dosing (pump systems) is provided to ensure that the interior void storage volume is not exceeded during peak flow events. This can be accomplished by utilizing timed dosing or low-pressure distribution systems. Geomatrix Systems, LLC has indicated they will provide guidance on flow equalization for each pump system application.

This Department hereby APPROVES the Geomatrix GeoMat Edge ST 600 leaching system with the noted ELA credit and center-to-center spacing. The Geomatrix GeoMat Edge ST 600 proprietary leaching system 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 Department will also be sending an electronic copy of this approval to all Local Directors of Health and our Code Advisory Committee. This approval should not be construed to be an endorsement of this product.

Sincerely,

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

C: Suzanne Blancaflor, Chief, Environmental Health Section, RSB, DPH

C/bob/GeomatEdgeST600