



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

June 16, 2006

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

Re: Geomatrix GeoMat Series & LowPro Series Leaching System Approvals

Dear Mr. Potts:

The Department of Public Health, Environmental Engineering Program (Department) has reviewed the revised documentation you submitted on Geomatrix's GeoMat Series and LowPro Series leaching systems. This Department previously issued an April 13, 2006 approval for these leaching system products. The backfill and bedding material for the LowPro Series systems has been modified. This approval replaces the earlier approval.

Geomatrix's GeoMat Series and LowPro Series leaching systems utilize GeoMats, which are comprised of fused, entangled filaments surrounded with geotextile filter fabric. The GeoMat products are 1 inch thick, and they have widths of 12 inches, 39 inches and 78 inches for GeoMat 1200, 3900 and 7800 products respectively. The GeoMat Series leaching systems utilize a single GeoMat placed in a row. The GeoMat Series systems can be installed in undisturbed natural soil, or in select fill or ASTM C-33 sand.

The LowPro Series systems utilize six foot lengths of either the GeoMat 1200 or 3900 products placed perpendicular to the row, and side-by-side 3.5 inches apart on a sand bed that is a minimum of 1-inch thick. Sand is placed in the 3.5-inch space between the GeoMats. The sand bedding and backfill material must meet ASTM C-33 specifications. The LowPro Series utilizes a "distribution mat" which consists of either the GeoMat 1200 or 3900 products that is installed along the center of the row on top of the lower GeoMats.

The calculated effective leaching area (ELA) credits for the GeoMat Series and LowPro Series leaching system products are as follows:

<u>Product</u>	<u>ELA Credit</u>	<u>Spacing</u>
GeoMat 1200	1.0 sq. ft. per lf.	9 ft.
GeoMat 3900	3.0 sq. ft. per lf.	9 ft.
GeoMat 7800	5.9 sq. ft. per lf.	15 ft.
LowPro WE 1200	5.2 sq. ft. per lf.	12 ft.
LowPro WE 3900	5.6 sq. ft. per lf.	15 ft.

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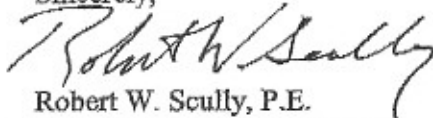
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The Department hereby **APPROVES** the Geomatrix GeoMat Series and LowPro Series proprietary leaching system products with the above noted ELA credits and center-to-center spacing. No test information was submitted on the products relative to vehicle loads, therefore they should not be utilized in vehicular travel areas. The leaching systems can be utilized with low-pressure distribution systems or gravity flow applications. The latter method requires that the distribution pipe on top of the distribution mat be approved distribution pipe (Technical Standards for Subsurface Sewage Disposal Systems-Table 2-C).

Your correspondence and the product specification sheets stated that documentation contains trade secret information and it is not releasable under FOI request pursuant to Connecticut General Statute Section 1-210 (b) (1). As you know the Department has requested guidance from the Office of the Attorney General on issues related to trade secret disclosure restrictions. Please be aware that all proprietary manufacturers are required to provide product information (dimensions, cross sections, cover requirements, etc) to sewage system plan designers, and provide detailed installation instructions to systems installers and local health department inspectors. Leaching system products could not be approved and permitted by local health departments without such documentation.

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.

Sincerely,



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

C: Ellen Blaschinski, Chief, Regulatory Services Branch, DPH
Suzanne Blancaflor, Chief, Environmental Health Section, DPH