



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Thomas S. Burack, Commissioner



May 1, 2025

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

Subject: Amended Innovative/Alternative (I/A) Technology Approval for the GST™
Leaching System & GST™ New Hampshire Design Manual dated April 2025.

Dear Mr. Potts:

The New Hampshire Department of Environmental Services (DES) has reviewed the innovative/ alternative (I/A) technology application submitted by Geomatrix Systems, LLC (Geomatrix) for its GST™ Leaching System on March 30, 2018, supplemental testing submitted on April, 2025 and the New Hampshire GST™ Design Manual dated April, 2025. DES hereby approves Geomatrix's request for an amended I/A technology general approval for this system, subject to the terms and conditions listed below. This approval is granted pursuant to RSA 485-A:29, I and NH Code Admin. Rules Env-Wq 1024.

The GST™ Leaching System may be used in New Hampshire under the following terms and conditions:

1. All GST™ Leaching System installations in New Hampshire must be installed on a sand bed consisting of 6-inches of ASTM C-33 or other approved sand. Sand that does not meet the ASTM C-33 standard must be approved by Geomatrix.
2. Distance above Impermeable Substratum - Env-Wq 1014.07. *Except as allowed by Env-Wq 1014.07(c)(2)*, vertical separation distance from bedrock or any other impermeable substratum may be reduced to 30 inches measured from the bottom of the GST™ Leaching System (or 24 inches measured from the bottom of the required 6 inches of ASTM C-33 or other approved sand).
3. Distance above Seasonal High Water Table - Env-Wq 1014.08. *Except as allowed by Env-Wq 1014.08(c)(2)*, vertical separation distance from seasonal high water table may be reduced to 30 inches measured from the bottom of the GST™ Leaching System (or 24 inches measured from the bottom of the required 6 inches of ASTM C-33 or other approved sand).
4. Bed size shall be in accordance with Table 1 and Table 2 of the version of the GST™ Leaching System dated April 2025.

This I/A Technology general approval is subject to all installations of GST™ Leaching System complying with all applicable provisions of the GST™ Leaching System Design Manual dated April 2025. Any modifications or updates to the GST™ Leaching System Design Manual shall be approved by DES to be effective in the State of New Hampshire. DES reserves the right to modify or revoke this approval if it is determined that it is in the best interest of the environment or public health.

If you have any questions, please contact me at 603-271-2904 or at scott.a.hazelton@des.nh.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott A. Hazelton", with a stylized flourish at the end.

Scott A. Hazelton
Administrator
Subsurface Systems Bureau

Cc: file
ITA Committee