



PAUL R. LEPAGE
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



PAUL MERCER
COMMISSIONER

March 23, 2016

VARI-TECH LLC
58 Main Street
Topsfield, MA 01983
ATTN: Deb Colbert, P.E.

Dear Ms. Colbert,

This letter is to inform you that the Department of Environmental Protection (Department) will authorize the Brentwood StormTank modular or chamber system wrapped in fabric as a pre-treatment row meeting the requirements of the General Standards (Section 4.C.) of the Stormwater Management Rules (Chapter 500), provided the system is sized, installed and maintained in accordance with the provisions listed below:

1. The StormTank system may be used as a pre-treatment row when placed before a subsurface underdrained filter system as described in Chapter 7.3 of Volume III of the Maine Stormwater Management Best Management Practice Manual. The StormTank system must be sized such that the number of chambers will treat, without overflowing, the one-year 24-hour peak flow from the structure's drainage area. Additional pre-treatment rows may be added based on site conditions and bed layout, provided each row is provided with an access manhole and control structure placed at both ends for removal of accumulated sediment and debris.
2. The StormTank system must be part of a stormwater management system that provides for the storage and treatment of a water quality/channel protection volume (WQv) which consists of the first 1.0 inch of runoff from impervious surfaces and 0.4 inch of runoff from lawn and landscaped areas. Any overflow must bypass the pretreatment row, and must be discharged or directed to a detention system/structure that will store the flooding volume. The WQv should be hydraulically isolated from any additional stormwater storage by weirs or other means so that only the WQv is routed through the pre-treatment row. The StormTank system must detain the WQv for a minimum of 24 hours and a maximum of 48 hours.
3. The pre-treatment row of the StormTank system will be underlain with a bottom surface consisting of 2 layers of ADS 315 woven geotextile (or equal), that the sides will be wrapped with a 30 mil PVC geotextile liner, and that the top be covered with one layer of ADS 601T non-woven geotextile (or equal) at a minimum.
4. If the area draining to the pre-treatment structure is a source of hydrocarbons or debris (i.e. parking lots, roads, drive-through commercial enterprises), the pre-treatment structure must be preceded by a practice that will trap these products.
5. Prior to construction, a five-year binding inspection and maintenance contract must be provided for review and approval by the Department, and must be renewed before contract expiration. The contract will be with a professional with knowledge of erosion and stormwater control, including experience with the proposed system. The first year of system

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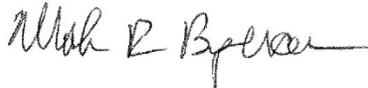
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maintenance must be provided by the owner to ensure that the system is operating according to the established specifications.

6. The overall stormwater management design must meet all Department criteria and sizing specifications and will be reviewed and approved by the Department prior to use.
7. Review and approval by the manufacturer for the proposed use and sizing of the system at each specific project is required to ensure conformance with the manufacturer's design specifications.
8. The StormTank system must be delivered to the site and installed under the manufacturer's representative supervision.
9. This approval is conditional to on-the-ground experience confirming that the pollutant removal efficiency and sizing of the StormTank system are appropriate. The "permit shield" provision (Section 14) of the Chapter 500 rules will apply, and the Department will not require the replacement of the system if, with proper maintenance, pollutant removals do not satisfy the General Standard Best Management Practices.

We look forward to working with you as these stormwater management structures are installed on new projects. Questions concerning this decision should be directed to Marianne Hubert at (207) 215-6485 or Jeff Dennis at (207) 215-6376.

Sincerely,



Mark Bergeron, P.E.
Director
Bureau of Land Resources

Cc: Don Witherill, Maine DEP