



Vermont Department of Environmental Conservation

Watershed Management Division
One National Life Drive, Main Bldg., 2nd Floor
Montpelier, VT 05620

Agency of Natural Resources

[phone] 802-490-6166
[e-mail] terry.purcell@vermont.gov

April 10, 2018

Modular Wetland Systems, Inc. Corporate Office

398 Via El Centro

Oceanside, CA 92058

Attn: Zach Kent

Dear Mr. Kent:

The Stormwater Program has reviewed the Modular Wetland System Linear (MWS-Linear) as an alternative practice through the evaluation process in Section 4.4.1 of the 2017 Vermont Stormwater Management Manual (VSMM).

Based on our review, we believe that Modular Wetlands Systems Inc. has provided the Stormwater Program with testing data showing that the system provides phosphorus and total suspended solids removal efficiency sufficient to meet or exceed the standards in the Vermont Stormwater Management Manual as a stand-alone Tier 2 Practice if not designed to infiltrate, and as a Tier 1 Practice if designed to infiltrate.

Please be advised that this letter serves as preliminary approval and does not constitute a final act or decision of the Secretary. Final approval of the use of the MWS-Linear, or other alternative practice, is project specific and is necessarily done through the issuance of an operational stormwater permit, until such time that the Vermont Stormwater Management Manual is formally revised to include the practice.

In developing permit conditions for any project relying on the MWS-Linear, the Stormwater Program is likely to include the following permit conditions and application requirements:

- 1) The MWS-Linear System must be designed, assembled, installed, operated, and maintained according to the specifications of Modular Wetland Systems, Inc. and the conditions in the most recent version of the Washington Department of Ecology's Technology Assessment Protocol (TAPE) General Use Level Designation (GULD) decision.

Vermont Department of Environmental Conservation

Watershed Management Division
One National Life Drive, Main Bldg., 2nd Floor
Montpelier, VT 05620

Agency of Natural Resources

[phone] 802-490-6166
[e-mail] terry.purcell@vermont.gov

- 2) Installation of the MWS-Linear System must occur under the supervision of a representative of Modular Wetland Systems, Inc.
- 3) Site plans must be reviewed by Modular Wetland Systems, Inc. and approved prior to installation to ensure that grading, slope, and other site characteristics are appropriate for use of the MWS-Linear system.
- 4) The Modular Wetland Systems, Inc. manufacturer must conduct the first post-construction inspection of the system to determine site-specific maintenance schedules and requirements.
- 5) The system shall be sized volumetrically rather than as a flow-based system. Sizing must account for the hydraulic loading rate limit of no greater than 1 gallon-per-minute per square foot of WetlandMedia surface area, as noted in the submittal document and TAPE General Use Level Designation (GULD).

As part of this preliminary approval, the product will be listed on the Vermont Department of Environmental Conservation's Alternative Practices website at <http://dec.vermont.gov/watershed/stormwater/permit-information-applications-fees/Alt-STPs>.

If local jurisdictions or other parties request a copy of a letter from VT DEC verifying preliminary practice acceptance, please use this letter for that purpose.

Thank you for your interest in providing alternatives to the stormwater design community in Vermont. If you have any questions concerning this decision, please contact the Stormwater Program.

Sincerely,

Terry Purcell





Vermont Department of Environmental Conservation
Watershed Management Division
One National Life Drive, Main Bldg., 2nd Floor
Montpelier, VT 05620

Agency of Natural Resources

[phone] 802-490-6166
[e-mail] terry.purcell@vermont.gov