

Vermont Department of Environmental Conservation

Watershed Management Division
Davis Building, Third Floor
One National Life Drive
Montpelier, VT 05620-3522

Agency of Natural Resources

(phone) 802-828-1115

7.31.2023

Contech Engineered Solutions LLC
71 US Route 1, Suite F
Scarborough, ME 04074
Attn: Derek M. Berg

Dear Mr. Berg:

The Stormwater Program has reviewed the Cascade Separator as an alternative stormwater pretreatment 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 the New Jersey Corporation for Advanced Technology (NJCAT) Technology Verification study has provided the Stormwater Program with testing data showing that the system provides a minimum 50% total suspended solids (TSS) removal efficiency in conformance with the 2017 VSMM. 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 Cascade Separator, or other alternative practices, is project specific and is necessarily done through the issuance of an operational stormwater permit.

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

1. The Cascade Separator must be designed, assembled, installed, operated, and maintained according to the specifications of Contech Engineered Solutions, LLC.
2. The system must be designed to accommodate the required water quality storm event peak flow (Qwq), as a flow through practice.

As part of this preliminary approval, the product will be listed on the Vermont Department of Environmental Conservation's [Alternative Practices website](#).

If local jurisdictions or other parties request a copy of a letter from VT DEC verifying preliminary practice approval, 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 preliminary approval, please contact the Stormwater Program.

Sincerely,



Michael Sadler

Environmental Analyst, Vermont DEC Stormwater Program