



# COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Street address: 629 East Main Street, Richmond, Virginia 23219  
Mailing address: P.O. Box 1105, Richmond, Virginia 23218  
Fax: 804-698-4019 - TDD (804) 698-4021  
[www.deq.virginia.gov](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

(804) 698-4020  
1-800-592-5482

June 27, 2016

Mr. Dylan Faircloth  
Brentwood Industries  
500 Spring Ridge Drive  
Reading, PA 19610

Re: Assignment of Percent Removal Efficiencies for Total Phosphorus

Dear Mr. Faircloth,

Thank you for your submittal of the Manufactured Treatment Device (MTD) Registration Form and supporting documentation for the StormTank Module Debris Row. The MTD information provided was reviewed for the purpose of assigning a pollutant removal efficiency for total phosphorus (TP). This review was performed in accordance with the Guidance Memo Number 14-2009 titled "Interim Use of Stormwater Manufactured Treatment Devices (MTDs) to meet the new Virginia Stormwater Management Program (VSMP) Technical Criteria, Part IIB Water Quality Design Requirements". The review process included the analysis of the documents submitted and any other publically available reports.

In addition to the registration form, a performance study was also submitted for review. Based on the findings of this study the StormTank Module Debris Row is receiving an event mean concentration percent TP removal efficiency of 20%. If in the future, additional data is submitted, the Department will review and determine if an increase in the removal efficiency is justifiable to the maximum allowable removal efficiency of 50%. As stated in the guidance memo, this information will be posted on the Virginia Stormwater Clearinghouse website. This MTD and the assigned removal efficiency can be manually added into Virginia Runoff Reduction spreadsheet to demonstrate compliance with Runoff Reduction Method.

If you have any questions regarding this information, please contact Robert E. Cooper, P.E. at (804) 698-4033 or e-mail at [Robert.Cooper@deq.virginia.gov](mailto:Robert.Cooper@deq.virginia.gov).

Sincerely;

A handwritten signature in cursive script that reads "Fred K. Cunningham".

Fred K. Cunningham  
Director  
Office of Water Permits