



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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March 8, 2018

Mr. Zachariha J. Kent
Vice President of Product Development & Regulatory Compliance
Bio Clean Environmental Services
398 Via El Centro
Oceanside, California 92058

Re: Assignment of Percent Removal Efficiencies for Total Phosphorus

Dear Mr. Kent,

Thank you for your submittal of the Manufactured Treatment Device (MTD) Registration Form and supporting documentation for the SciClone Hydrodynamic Separator. The MTD information provided was reviewed for the purposes 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 submitted for our review. The New Jersey Department of Environmental Protection previously certified the study and determined that the SciClone Hydrodynamic Separator has a removal rate of 50% total suspended solids. Consistent with Guidance Memo Number 14-2009, the SciClone Hydrodynamic Separator is receiving an event mean concentration percent TP removal efficiency of 20%. 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.

Sincerely;

A handwritten signature in blue ink that reads "Jaime B. Robb".

Jaime B. Robb, Manager
Office of Stormwater Management