



Date: 1/17/2018

Subject: Manufactured Treatment Device Registration – SciClone Hydrodynamic Separator

Dear Mr. Cooper,

We would like to formally submit our SciClone Hydrodynamic Separator for acceptance by the Virginia Department of Environmental Quality and have listed on the Virginia Stormwater BMP Clearinghouse website.

The SciClone demonstrated greater than 50% TSS removal under the NJDEP protocol using the NJDEP particle size distribution. The system has been approved and certified by NJDEP along with verified by NJCAT. We also ran a separate test following the same protocol but using a larger PSD with a mean particle size of 112 microns. For that test the system demonstrated greater than 80% TSS removal. That report was also NJCAT verified. As you know New Jersey is a TARP state.

Based on Table 1 in the technical criteria document it states that BMPs with TSS performance of greater than 50% TSS removal are eligible for a %TP Removal rating of up to 20%. Since the system has proven to be able to remove 50% to 80% TSS using various particle sizes that are both commonly found in stormwater we request a rating for TP removal at 30%.

Included is a completed Manufactured Treatment Device Registration form along with supplementary reports, data and documents to support the request for approval.

Please let me know if you have any questions.

Sincerely,

Zachariha J. Kent
Vice President of Product Development & Regulatory Compliance
Bio Clean Environmental Services, Inc.

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