



June 20, 2014

Mr. Robert Cooper
Office of Stormwater Management
Virginia Department of Environmental Quality

**Re: Approval Request for Manufactured Treatment Device,
Aqua-Filter™ Stormwater Filtration System**

Dear Mr. Cooper,

AquaShield™, Inc. is pleased to submit information in support of this approval request for the Aqua-Filter™ Stormwater Filtration System. This approval request is submitted in accordance with Guidance Memo No. 14-2009 dated May 15, 2014, Interim Use of Stormwater MTDs.

We are requesting that the Aqua-Filter™ be granted a Total Phosphorus (TP) removal credit of 40% based on NJCAT-verified field testing of an Aqua-Filter™ Model AF-5.3 for 80% TSS removal efficiency following the TARP Tier II protocol. NJDEP has issued Field Test Certification based on the field verification.

The following documents are attached for your consideration:

- Attachment 1, MTD Registration Form
- NJCAT Field Test Verification Report for Aqua-Filter™ Model AF-5.3, November 2013
- NJDEP Aqua-Filter™ Field Test Certification Letter, June 13, 2014
- NJCAT Laboratory Verification Report for the Aqua-Swirl® and Aqua-Filter™, 2005 and August 2007 Addendum for Aqua-Filter™ [via NJCAT website link]
- Aqua-Filter™ Inspection & Maintenance Manual
- AquaShield™ Limited Warranty

Thank you for considering this information, and of course please let me know if additional information is needed at this time.

Respectfully submitted,

AquaShield™, Inc.

Mark B. Miller, P.G.
Research Scientist