

Attachment 1

Proprietary Best Management Practice (BMP) Registration Statement

Complete this form and submit it along with supporting documents to the Virginia Department of Environmental Quality (Department) at BMPClearinghouse@deq.virginia.gov. If approved by the Department, the device will be assigned a total phosphorus (TP) removal efficiency and listed on the Virginia Stormwater BMP Clearinghouse.

1. Proprietary BMP / Manufactured Treatment Device (MTD) Name (as it is to appear on the Virginia Stormwater BMP Clearinghouse): **Filtterra® High Capacity (HC) Bioretention**

2. Company Name: Contech® Engineered Solutions LLC

Mailing Address: 9025 Centre Point Dr.

City: West Chester

State: OH Zip: 45069

3. Contact Name (of person to be listed on the Virginia Stormwater BMP Clearinghouse): For Regulatory matters, contact Jacob Dorman, Regional Regulatory Mgr.

Mailing Address: 7037 Ridge Rd, Ste. 350

City: Hanover

State: MD Zip: 21076

Phone number: 757-374-4321

Fax number: n/a

E-mail address: jacob.dorman@conteches.com

Web address: www.conteches.com

For project specific and design questions, please contact Contech's Baltimore, MD area office.

Mailing Address: 7037 Ridge Rd, Ste 350

City: Hanover

State: MD Zip: 21076

Phone number: **410-740-8490**

Web address: www.conteches.com

4. Treatment Type

Hydrodynamic Structure

Filtering Structure

Manufactured Bioretention System

Provide Infiltration Rate (in/hr): 300"/hr

Other (describe):

5. Certification (check all that apply and submit all certification letters from TAPE and/or NJDEP):

TAPE

- TP (include Technical Evaluation Report if applying for greater than 50% TP removal efficiency)
- TSS

NJDEP (TSS)

6. Proprietary BMP History:

How long has this specific model/design been on the market? The Filterra Bioretention System product line has been available since 2001. The Filterra HC is an extension of that line and has been available since January 2021.

7. Maintenance:

What is the generic inspection and maintenance plan/procedure? (Attach necessary documents): For a copy of the Filterra HC O&M guide, please visit <https://www.conteches.com/Portals/0/Documents/Maintenance%20Guides/Filterra%20OM%20Packet.pdf?ver=2018-05-31-143300-750>

Is the maintenance procedure and/or are materials/components proprietary?

- Yes, proprietary
- No, not proprietary

Generally speaking, maintenance required of the Filterra Bioretention system is not proprietary, except in the rare cases where the proprietary media may need partial or complete replacement. Maintenance generally consists of removing accumulated sediments/waste trapped on the mulch layer and replace that mulch layer with a fresh supply of mulch.

8. Comments

Include any additional explanations or comments: The Filterra HC Bioretention system differs from a typical Filterra in media depth and media treatment flow rate. Filterra HC maintains a separate NJDEP certification and, as such, Contech requests 40% TP credit be granted for this system.

9. Certification

Signed by the company president or responsible officer of the organization:

"I certify that all information submitted is to the best of my knowledge and belief true, accurate, and complete."

Signature: _____  _____

Name: _____ Jacob Dorman _____

Title: _____ Regional Regulatory Manager _____

Date: _____ 12-29-21 _____

NOTE: All information submitted to the Virginia Department of Environmental Quality will be made publicly accessible to all interested parties. If the device is approved by the Department, this Proprietary BMP registration form will be posted on the Virginia Stormwater BMP Clearinghouse.