



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Secretary of Natural and Historic Resources

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Director
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March 1, 2024

Mr. David Scott
Xerxes Corporation
7901 Xerxes Ave South, Suite 201
Minneapolis, MN, 55431

Transmitted electronically: David.Scott@mattr.com

Re: Assignment of Percent Removal Efficiencies for Total Phosphorus
HydroChain™ Chamber Main Header Row (MHR)

Dear Mr. Scott:

The Department of Environmental Quality (Department) received the Proprietary Best Management Practice (BMP) Registration Statement and supporting documentation for the **HydroChain™ Chamber MHR** on October 9, 2023 and February 7, 2024. The Department has reviewed the application and supporting documentation in accordance with § 62.1-44.15:28 of the Code of Virginia and 9VAC25-870-65 D of the Virginia Stormwater Management Program (VSMP) Regulation.

Section 65 D of the VSMP Regulation states, “Any proprietary BMP approved for use after July 1, 2020, must meet the requirements of § 62.1-44.15:28 A 9 of the Code of Virginia.” The Department based its decision on the New Jersey Corporation for Advanced Technology (NJCAT) Technology Verification for the Xerxes Corporation HydroChain™ Chamber MHR, and the study “Pollutant Associations with Particulates in Stormwater” (R. Morquecho et al, Proceedings of the Water Environment Federation, January 2005).

The **HydroChain™ Chamber MHR** is approved for use in Virginia to meet the VSMP water quality design criteria requirements and has been assigned a total phosphorus pollutant removal efficiency of **40%**, effective March 1, 2024. This information will be posted on the Virginia Stormwater BMP Clearinghouse website. This device and the assigned removal efficiency can be

manually added into the Virginia Runoff Reduction Method spreadsheet to demonstrate compliance with VSMP water quality design criteria requirements.

If you have any questions regarding this letter, please contact Andrew Huff at 804-486-0362 or by e-mail at Andrew.Huff@deq.virginia.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle Kennedy". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Kyle Kennedy, P.E.
Manager
Office of Stormwater Management

cc: Anthony Angueira, DEQ