



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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January 9, 2020

Zachariha Kent  
Bio Clean (A Forterra Company)  
402 N WW White Road  
San Antonio, TX 78219

**RE: Functional Equivalency for Bio Clean Wetland Mod for Stormwater Runoff Filtration**

Dear Mr. Kent:

The Washington State Department of Ecology (Ecology) finds the Bio Clean Wetland Mod (Wetland Mod) system is functionally equivalent to a bioretention facility when used for treating stormwater. The media specifications for the Wetland Mod system must adhere to the design guidelines for Bioretention areas, found in BMP T7.30 in the 2019 Stormwater Management Manual for Western Washington (SWMMWW) or BMP T5.31 in the 2019 Stormwater Management Manual for Eastern Washington (SWMMEW). The sizing procedure must also adhere to the procedure outlined in the Bioretention section of the manuals mentioned above using WWHM 2012 (Western WA) or single storm event model (Eastern WA).

Designers and owners may use the Wetland Mod system for post construction runoff treatment at sites without seeking additional Ecology approval. Ecology does not endorse this product or its manufacturer. You must follow manufacturer installation recommendations.

Ecology posted a copy of this letter at Ecology's Technical Assessment Protocol – Ecology (TAPE) website (<https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Stormwater-permittee-guidance-resources/Emerging-stormwater-treatment-technologies>).

For more information, contact Douglas C. Howie, P.E. at [douglas.howie@ecy.wa.gov](mailto:douglas.howie@ecy.wa.gov) or (360) 407-6444.

Sincerely

Douglas C. Howie, P.E.  
Stormwater Engineer  
Program Development Services  
Water Quality Program

cc: Carla Milesi, TAPE Coordinator Tacoma Urban Waters

