STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
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February 3, 2017

Mr. Jon Moody, P.E.
Principal, 2gH Solutions
12821 Spur Rd
Hudson, FL 34669

Dear Mr. Moody:

RE: Hydrovex SVHV/VHV, IHV/HHV, IHV EURO and POND Vortex Flow Regulators

Ecology prepared this letter in response to your January 12, 2017 request.

Ecology does not have an approval process for manufactured flow control devices like your Vortex Flow Regulator. Thus, we are not able to provide a blanket approval for your product. However, this does not mean that you may not sell your product in Washington State for use in detention facilities. Ecology will not prohibit installation of your vortex flow regulators in existing or new detention facilities.

When someone uses a discharge device that does not have discharge characteristics preprogrammed in the approved hydraulic modeling software such as the Western Washington Hydrology Model (WWHM), as with your devices, they are required to submit the engineering calculations that verify the device's discharge capabilities. For the vortex flow regulators, this means that the designer must submit design details (size and number of openings, equations used to compute stage/storage/ discharge curves, and the complete stage/storage/discharge table) with the project's WWHM files that demonstrate compliance with the flow control standard.

Your product information indicates that you will provide a custom design for each project. Therefore, you must submit the back-up equations and calculations for each project. That will give confidence in the design for the particular project to the project reviewer.

If you have questions, please contact me at your earliest convenience at douglas.howie@ecy.wa.gov or (360) 407-6444.

Sincerely,

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

cc: Carla Milesi, TAPE Program Manager, Washington Stormwater Center