

August 16, 2017

Mr. Dave Scott
Hydro International
94 Hutchins Drive
Portland, ME 04102-1930

RE: First Defense High Capacity Models

Dear Mr. Scott:

The City of Indianapolis (the City) Department of Public Works (DPW) has received your request and information on the First Defense High Capacity (FDHC) 3-, 4-, 5-, 6-, 7- and 8-foot diameter model Stormwater Quality Units (SQUs). Hydro International requested the addition of the above referenced SQUs to the approved list and the City's consultant, DLZ Indiana LLC (DLZ), has completed their review of the information.

The testing information provided for the FDHC 4-foot model did appear to substantially comply with the City testing requirements with the exception of the Mass Balance Test Method. While the data provided did support the FDHC can make a positive improvement on runoff water quality, a temporary approval of the units is being granted at this time subject to submission of the additional test data within 2 years of the date of this letter.

The FDHC units are approved for use in the District using the standards scaling method. The approved maximum treatment flow rates are summarized in the table below.

FDHC Unit Diameter (ft)	Approved Treatment Flow Rate (cfs)
3	0.73
4	1.5
5	2.62
6	4.13
7	6.07
8	8.49

Please note the units are approved for **off-line use only**. Additional testing meeting the requirements specified in the City of Indianapolis Manufactured Stormwater Quality Treatment System Evaluation Criteria for on-line use must be submitted for review and approval.

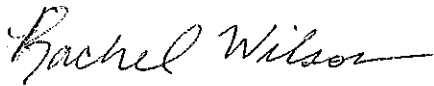
Also, please note the City does not approve custom units without review to prevent unauthorized changes. The testing information provided only data on a single horizontal inlet pipe to the SQU. Multiple inlets must be tested and approved individually based on the specific inlet configuration. The FDHC is approved for the single horizontal inlet configuration only at this time.

Please note this approval is subject to re-evaluation should new or revised information be obtained by the District with respect to the SQU, changes in the City of Indianapolis Manufactured Stormwater Quality Treatment System Evaluation Criteria or changes in the water quality requirements of the District's discharge permit. As a courtesy, the District will attempt to inform you of any change in status.

The District thanks you for your interest and looks forward to the application of the First Defense High Capacity SQUs within the District.

If you have any questions regarding this matter, please contact me at 317-327-2304 or via email at Rachel.Wilson@indy.gov.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Wilson" followed by a horizontal line.

Rachel Wilson,
Senior Project Manager

Cc: File