



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

November 1, 2018

Mr. Marcus Quigley, P.E.
Chief Executive Officer
OptiRTC Inc.
356 Boylston Street, 2nd Floor
Boston, MA 02116

RE: Continuous Monitoring and Adaptive Control (CMAC) Functional Equivalency to Detention Pond Outlet Structures

Dear Marcus Quigley:

The Washington State Department of Ecology (Ecology) finds that the OptiRTC Continuous Monitoring and Adaptive Control (CMAC) system for hydraulic control of stormwater facilities is functionally equivalent to the standard outlet control structure for wet ponds, retention ponds, and detention ponds as described in the Stormwater Management Manual for Western Washington (SWMMWW) and the Stormwater Management Manual for Eastern Washington (SWMMEW).

OptiRTC CMAC is a control approach for stormwater facilities that can be designed to conform to various design criteria. This approach does not inherently confer a certain level of service; therefore, Opti has developed a CMAC analysis tool (current version is an Excel-based extension to the Western Washington Hydrology Model (WWHM)). The Opti CMAC system must be designed using the analysis tool and must adhere to the guidelines in the manufacturers specifications. Project applicants seeking to use Opti CMAC and the CMAC-WWHM Tool must obtain design input from OptiRTC regarding Tool application and system design. Designs without detailed input from OptiRTC are not acceptable and may not be installed.

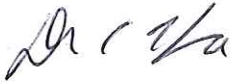
Ecology cannot endorse this product or its manufacturer. Contractors may use the Opti CMAC without seeking additional Ecology approval, however Ecology is tracking the installations of the Opti CMAC system. Local governments with a National Pollutant Discharge Elimination System (NPDES) permit shall submit the enclosed Notice of Intent Form to Ecology when installing the Opti CMAC. All other jurisdictions are also encouraged to notify Ecology when installing the Opti CMAC.



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

Sincerely,

A handwritten signature in black ink, appearing to read "D. C. Howie".

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

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



Notice of Intent

Opti Continuous Monitoring and Adaptive Control (CMAC)

Opti Contact Information			
Company:		Contact Name:	
Business Phone:	Fax (optional):	Street Address:	
Company Web Address:			
Email:	City:	State:	Zip+4:

Project Information	
Project Name:	Contact Name:
Local Agency with Jurisdiction:	Street Address:
Desired Installation Date:	City:
Project Location:	
Facility Discharge Receiving Water:	
Brief project description (e.g. retrofit or new installation, facility size, etc.):	

Local Government Certification and Acceptance		
Printed/Typed Name	Agency	Title
Signature		Date

Submit completed forms to the following address:

Washington Department of Ecology – TAPE Coordinator
Water Quality Program
PO Box 47600
Olympia, WA 98504-7600

If you have questions about this form, contact the following Ecology staff:

Douglas Howie, P.E. at (360) 407-6444 or douglas.howie@ecy.wa.gov

Background Information

Ecology is tracking the installations of the Opti CMAC system. Local governments with a National Pollutant Discharge Elimination System (NPDES) permit shall submit this Notice of Intent Form to Ecology when installing a the Opti CMAC. All other jurisdictions are also encouraged to notify Ecology when installing the Opti CMAC.

To request materials in a format for the visually impaired, visit <https://ecology.wa.gov/accessibility>, call Ecology at 360-407-6600, Relay Service 711, or TTY 877-833-6341.