Sponsored by the CBP's
Scientific & Technical
Advisory Committee
(STAC)
And Wastewater
Treatment Work Group

Co-sponsored by:

DC Water



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PURPOSE: This workshop is addressing 'cutting edge wastewater treatment technologies' - a critical topic in the Chesapeake Bay watershed. This topic is important to the local governments and utilities that operate wastewater plants in the Bay region, as well as to the state and federal agencies that regulate those plants. These plants will have to operate under strict nutrient load caps defined in the Bay Program's TMDL now and into the future, even as the growth in the Bay watershed continues. It will be important to build these facilities with less infrastructure, operate them using less energy and fewer chemicals, all the while ensuring reliable operations and minimizing nitrogenous GHG emissions.

This workshop is aimed at identifying those cutting edge technologies (focused on Nitrogen) that appear to be viable options, and to begin a dialogue between practitioners, designers, and regulators on how these practices can be successfully implemented in the Bay watershed.

OUTCOME: A formal report that summarizes the key findings, provides links to the presentations, and makes recommendations to STAC and the Chesapeake Bay Program Partnership.

INVITATION-ONLY

RSVP BY MONDAY, APRIL 23RD
TO: MATT JOHNSTON
JOHNSTONMA@SI.EDU

Note: There will also be some additional opportunities to participate via Webinar.

"Real World Wastewater Technologies Workshop"

Advancing the World We Live In - Exploring Cutting Edge Wastewater Treatment Technologies

Wednesday, May 16, 2012

Westin Hotel 6631 West Broad Street, Richmond, Virginia 23230

Westin-Richmond-Hotel



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Workshop Agenda

Wednesday, May 16, 2012

7:30 am	Sign-in Breakfast/Coffee/Tea	12:15 - 1:15 pm	Working Lunch & Discussion: A Survey of Global and National	3:30 pm	Development of Algae-Based Nitrogen Removal Technologies —
8:00	Welcome, Introductions, Workshop Objectives & Process		Nutrient Regulatory Approaches - Dave Clark, HDR		Margie Molholland, ODU
8:15	Microbial Nitrogen Transformations - Kartik Chandran, Columbia University		Engineering, Inc., and Peter Vanrolleghem, Université Laval	4:00 pm	 Summary Session Q&A for Technical Sessions Highlights of Technical Sessions Facilitated Open Discussion
9:00 10:00	Facilitated Discussion Break	1:15	Intersection of Nitrogen Removal and Trace Organics -		 Next Steps and Wrap-up STAC Report
	Nitrogen Removal: <u>1.0 to 3.0</u> Overview—		Nancy Love, University of Michigan	5:00 pm	Adjourn
	Charles Bott, HRSD Review of Deammonification Projects & Key Results - • District of Columbia (Blue	2:00	Balancing Nutrient Limits with Net Environmental Benefits -JB Neethling, HDR		
	Plains) -Sudhir Murthy, DC Water • Austria/Switzerland (Strass)	2:45	Facilitated Discussion		
	 Bernhard Wett, ARAConsult Virginia (HRSD) - Charles Bott, HRSD 	3:15	Break		
11:30	Facilitated Discussion				