



Chesapeake Bay Program
SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEE
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September 3, 2013

RE: STAC Sustainable Wastewater Workshop Report

Nicholas DiPasquale, Director, Chesapeake Bay Program
U.S. Environmental Protection Agency
410 Severn Avenue, Suite 109
Annapolis, MD 21403

Cc: Management Board; Water Quality GIT, Wastewater Treatment Workgroup

Dear Mr. DiPasquale,

Please see the attached STAC workshop report entitled, “Real World Wastewater Technologies Workshop: Advancing the World We Live In – Exploring Cutting Edge Wastewater Treatment Technologies.” This report provides a summary of STAC’s May 2012 workshop. The report also includes specific recommendations identified by workshop participants. Participants recommended the following:

Recommendations:

- Identify additional and dedicated/long-term funding for research, development, and demonstration (i.e., including new technologies, full-scale and pilot testing, multiple environmental benefits, effectiveness at small/medium-sized plants -- generally less than 20 million gallon per day -- and unique process applications); and
- Consider multiple benefits (e.g., greenhouse gas (GHG) emissions, emerging contaminants) as part of design and operating considerations, as well as permit/regulatory considerations.
- Understand and address high levels of variability in the application of advanced technologies with new approaches to: (1) quantify greater permit/compliance risks, benefits, and costs; and (2) design instrumentation and train support staff to meet new demands.
- Increase the change of successful technology implementation with support for state/federal regulators to: (1) write appropriate permit conditions; (2) consider stochastic

rather than completely deterministic permit limits, and allow for outliers; and (3) utilize regulatory flexibility to allow for the testing and evaluation of new technologies.

We hope the Bay Program finds these recommendations useful, and STAC looks forward to your feedback. Advancing wastewater treatment technologies is one way CBP can address nutrient load reductions related to point-source pollution within the Chesapeake Bay watershed.

STAC respectfully requests a written response to the above specific recommendations from the CBP Management Board Chair by Monday, November 4, 2013.

Please direct any questions you may have about this report and its recommendations to Natalie Gardner, the Chesapeake Bay Program's Scientific and Technical Advisory Committee Coordinator, and lead workshop steering committee member/Chair of CBP's Wastewater Treatment Workgroup, Tanya Spano of the Metropolitan Washington Council of Governments.

On behalf of the entire STAC, thank you again for considering these recommended next steps, and we look forward to working with you closely on this in the future.

Sincerely,



Chris Pyke
Chair, Chesapeake Bay Program's Scientific and Technical Advisory Committee