



Case Studies on Implementing Low-Cost Modifications to Improve Nutrient Reduction at Wastewater Treatment Plants

The Watershed Academy



Thursday, October 15, 2015

Two-hour Webcast

Eastern: 1:00p.m.–3:00p.m.

Central: 12:00p.m.–2:00p.m.

Mountain: 11:00a.m.–1:00p.m.

Pacific: 10:00a.m.–12:00p.m.

Please join us for a webcast on EPA's recently released draft report on "Case Studies on Implementing Low-Cost Modifications to Improve Nutrient Reduction at Wastewater Treatment Plants."

As many studies have shown, nutrient pollution is one of America's costliest and most challenging water quality problems. However, many of the nation's wastewater treatment plants (WWTPs) were not designed for nutrient removal and major retrofits may be a significant hurdle. The recent EPA draft report showcases a number of communities that were able to achieve better nutrient treatment at WWTPs through relatively low-cost modifications without requiring costly infrastructure upgrades. Nitrogen discharge levels in 12 case study plants were reduced by about 20 to 70%. Two case studies also documented low-cost phosphorus reduction of 40 to 58%. In many cases, these facilities also reduced energy consumption and lowered operational costs. The webcast will give listeners a broad overview of the report, and will highlight two of the case studies in Crewe, VA and Victor Valley, CA.

EPA is also interested in learning of additional communities' successes and intends to update this document to help more of the nation's WWTPs make progress towards additional nutrient reductions. Comments and additional case studies can be submitted by December 15, 2015 to POTWOptiNP@epa.gov. The draft report is available at: <http://www2.epa.gov/nutrient-policy-data/reports-and-research#reports>.

The webcast presentation will be posted in advance at <http://www2.epa.gov/watershedacademy>. Also, webcast participants are eligible to receive a certificate for their attendance.

Expert Speakers:

Dr. Ellen Gilinsky, Senior Policy Advisor, Office of Water, U.S Environmental Protection Agency, Washington, DC – Since 2011 Dr. Gilinsky has been serving as senior policy advisor in EPA's Office of Water. Prior to this appointment, she spent seven years as the Director of the Water Division at the Virginia Department of Environmental Quality. Dr. Gilinsky received her B.A. in Biology from the University of Pennsylvania and her Ph.D. in Zoology from the University of North Carolina at Chapel Hill. Dr. Gilinsky will introduce the Webcast.

Victor D'Amato, Senior Engineer, Tetra Tech Inc., Research Triangle Park, NC – Mr. D'Amato served as the project's technical lead under contract with EPA and will provide an overview of nutrient removal optimization at WWTPs, as well as the project methodology, results, and conclusions.

John Hricko, Superintendent of Water Utilities, Town of Crewe, VA – Mr. Hricko supervises both the water and wastewater treatment facilities in the Town of Crewe, VA. He has spent over 21 years as both a water and wastewater treatment operator, and he holds a class I (highest) license in both water and wastewater from the Commonwealth of VA.

Gilbert Perez, Director of Operations, Victor Valley Wastewater Reclamation Authority (VWVRA), CA – Mr. Perez has Served as Director Operations at VWVRA since 2007. Prior to this, Mr. Perez spent 16 years working with the San Bernardino Municipal Water Department. Mr. Perez began his career in waste management in the U.S. Air Force.

Registration: You must register in advance to attend this webcast. Register at the Watershed Academy Webcast website at <http://www2.epa.gov/watershedacademy>.

Questions? Please contact Stefanie Gera at stefanie.gera@tetrattech.com.

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