

# The Southwest Branch of the Chicago Metro Chapter of American Public Works Association

Presents

## Nutrient Removal Workshop: Understanding Upcoming Illinois Nutrient Removal Requirements

Workshop Background and Description: For 11 years, the Illinois Environmental Protection Agency (IEPA) has been developing nutrient water quality standards. In recent meetings between USEPA and IEPA, the IEPA agreed to develop total phosphorus (TP) technology based effluent limits based upon a narrative water quality standard. IEPA is expected to formulate narrative criteria by which streams can be classified as impaired due to excessive algae blooms. Point source discharges to impaired waterways will be required to meet technology-based effluent phosphorus standards. Many treatment plants in Illinois, both new and existing, may receive a NPDES permit limit for phosphorus. This workshop will update you on the latest Illinois Nutrient removal regulations, introduce and/or update you on nutrient removal technologies, and provide you with logical steps to help plan ahead in anticipation of the upcoming regulations.

When: Thursday, October 20, 2011  
 Where: Village of New Lenox Village Hall  
 1 Veterans Parkway  
 New Lenox, IL 60451  
 Registration: 8:30 a.m. – 9:00 a.m.  
 Workshop: 9:00 a.m. – 3:00 p.m.  
 PDH/CEUs: 5.0/0.5

Who Should Attend: Public Works Directors to better understand the potential financial impacts of new regulations, Engineers to evaluate the latest technologies, and Operators to understand the potential operational impacts.

Speakers: Presentations will be provided by representatives from IEPA, the Village of Algonquin, and AECOM.

Fee: \$50 for APWA members, \$75 for nonmembers

8:30 – 9:00 Registration (breakfast will be provided)  
 9:00 – 9:30 Introduction and Regulatory Background - Allison Walk, P.E., AECOM  
 9:30 – 11:00 Phosphorus & Nitrogen Removal Technology – Nathan Cassity, P.E., AECOM  
 11:00 – 12:00 Case Study: Operation of a Biological Nutrient Removal System – Steve Fiepke, Chief Wastewater Operator & Andy Warmus, Utilities Superintendent, Village of Algonquin  
 12:00 – 1:00 Lunch (lunch will be provided)  
 1:00 – 2:00 Developments in Illinois Nutrient Standards – Bob Mosher, Manager of the Water Quality Standards Division, IEPA  
 2:00 – 2:30 Planning Ahead: “What Should you do Next?” – Allison Walk, P.E., AECOM  
 2:30 – 3:00 Panel Discussion – David Zenz, Ph.D, P.E., AECOM (Panel Chair)

Registration Form on Other Side!

October 20, 2011  
Nutrient Removal Workshop  
***Pre-registration by October 14<sup>th</sup> is required!***

Registration – Please print or type.

Name: \_\_\_\_\_ Municipality/Company: \_\_\_\_\_

Address: \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

APWA Member (Yes/No) \_\_\_\_\_ Member # \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

\_\_\_\_\_ X \$50/member = \_\_\_\_\_

Please list member names: \_\_\_\_\_

\_\_\_\_\_ X \$75/non-member = \_\_\_\_\_

Please list nonmember names: \_\_\_\_\_

Total: \$ \_\_\_\_\_

Sponsorship Opportunities:

\_\_\_\_\_ Breakfast Sponsor (\$100)

\_\_\_\_\_ Lunch Sponsor (\$250)

Payment Information:

\_\_\_\_\_ Check payable to APWA – Southwest Branch (will be mailed/is included)

\_\_\_\_\_ Please send me an invoice for processing

To Register:

- Register online at <http://chicago.apwa.net/events/8247/>
- Fax your registration form to 312.373.6807, Attn: Allison Walk
- Scan your registration form and email it to [Allison.Walk@aecom.com](mailto:Allison.Walk@aecom.com)
- Mail your form and/or payment to Allison Walk, AECOM, 303 E. Wacker Drive, Ste. 600, Chicago, Illinois 60601.

