CSWEA Webinar Series

Tuesday – February 26, 2025

11:00 AM to 12:00 PM

Designing for Low DO: Full-Scale Implementation of Suboxic Biological Nutrient Removal

"Low dissolved oxygen (DO)" and suboxic biological nutrient removal (BNR) have emerged as an effective strategy for reducing energy consumption while providing effective BNR. This presentation discusses process design and operations of low DO operations at Pomona Water Reclamation Facility including an overview of system modifications, the importance of advanced controls, the stepwise approach implemented to achieve low DO operations, and energy and performance comparisons between baseline and low DO operations.

Agenda

11:00 AM - Introduction

11:05 AM - Presentation – Michelle Young
Carollo Engineers

11:45 AM - Q&A with presenter

12:00 PM - Adjourn

CONTINUING EDUCATION

1.0 CEUs for Operators in Illinois, Wisconsin & Minnesota.
Operator ID/Quiz required for webinar.

1.2 PDHs for all Professional Engineers

COST

$25 – Members (Discount Code: CSWEA)
$35 – Non-Members
$10 – Student (Discount Code: Student)
$10 – International (Discount Code: International)

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PRESENTED BY:

Michelle Young
Lead Wastewater Technologist – Carollo Engineers

Dr. Michelle Young is a Lead Wastewater Technologist with Carollo Engineers. She has more than 15 years of experience as a wastewater treatment researcher and process design engineer. She received her MS and PhD from Arizona State University. Michelle is Carollo's national low dissolved oxygen/suboxic biological nutrient removal (SBNR) lead. She supports numerous facilities and regions on SBNR ranging from fundamental understanding to full-scale application and controls approaches.