



NEWEA Plant Operations Conference & Exhibit

March 24, 2019

Courtyard Marriott, Billerica, MA

Conference Agenda

- 8:00 AM** **Registration/Continental Breakfast/Exhibit Hall**
- 8:30 AM** **Welcome and Opening Remarks**
Ray Vermette, NEWEA President
John Curran, Billerica, MA Town Manager
Tom Hazlett, Chair, Plant Operations Committee
- 9:00 AM** **The Long and Winding Road to Phosphorus Control in the SuAsCo Watershed**
• Paul Hogan, Woodard & Curran
- 9:30 AM** **Introduction to Phosphorus Removal**
Learn how phosphorus (biological and chemical) removal is achieved at WWTF.
• Maureen Neville, CDM Smith
- 10:15 AM** **Break / Exhibits**
- 10:45 AM** **Phosphorus Removal within the SuAsCo River Watershed**
A review of the municipal WWTF within the SuAsCo watershed including background, technologies, design/operation considerations and summary of costs.
• Thomas Parece, AECOM and Maureen Neville, CDM Smith
- 11:30 AM** **Lunch**
- 12:30 PM** **Panel Discussion: Plant Operations on the SuAsCo**
Staff from SuAsCo WRRFs will discuss benefits and challenges of their operation
• Scott Rossi, Marlborough Easterly WWTF
• Dennis L'Homme, Marlborough Westerly WWTF
• Nick Tranghese, Woodard & Curran (representing Concord)
• Michelle Murphy, Veolia (representing Maynard)
• Jeff Kalmes, Billerica Water Resource Recovery Facility
• Mark Concheri, Town of Hudson, MA
- 2:00 PM** **Is it Making a Difference? What 20 Years of Water Quality Trends Tell Us**
This presentation chronicles OARS' use of Citizen Science to advocate for a TMDL and effective NPDES permits; resulting water quality and biomass trends and looks at potential of wastewater
• Alison Field-Juma, OARS
- 2:30 PM** **Break / Exhibits**
- 2:45 PM** **Regulatory and Permitting Updates**
An update of the status of NPDES permitting for facilities in the SuAsCo watershed, with a focus on phosphorus and aluminum.
• Susy King, MassDEP
- 3:15 PM** **Future Directions in P Removal and Recovery: Doing More with Less and Improving Stability**
The current state of the art in direction of phosphorus removal and recovery research with a focus on process intensification and enhancing stability.
• Nick Tooker, UMASS Amherst
- 3:45 PM** **Closing Remarks/Adjourn**



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TRAINING CONTACT HOURS (TCHs)

Certificates will be awarded for operator recertification for participating states. If you need TCHs, please sign-up at the end of the day (3:45PM) at the registration desk. Certificates will be emailed to attendees following the conference.

PROCEEDINGS

In an effort to reduce/reuse/recycle - copies of today's presentations will be posted on the NEWEA website. Attendees will be notified via email when the presentations are available.

This specialty conference was hosted by NEWEA's Plant Operations Committee. We thank the attendees, speakers, exhibitors, and sponsors for making this event successful.