CSWEA
Webinar
Series

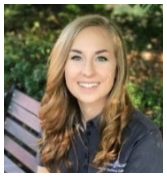
WEDNESDAY - DECEMBER 2, 2020

12:00 PM to 1:00 PM

Topic: Pretreatment Regulatory Updates, Identifying Commercial and Industrial Phosphorus Sources

"National and Regional Pretreatment Program and NPDES Regulatory Updates"
Nichole Schaeffer, P.E., BCEE | *Environmental Department Manager – Baxter & Woodman, Inc.*

This presentation will cover recent regulatory updates shared by USEPA on the National Pretreatment Program and the NPDES Program from the May 2020 NACWA Pretreatment Workshop, and IEPA NPDES updates. Information to be shared will include COVID-19 Pandemic Water Utility Resources, management standards for hazardous waste pharmaceuticals, NPDES Updates Rule and Applications, CROMERR vs. NPDES Electronic Reporting Rule, and notes on NPDES Compliance submittals to IEPA Compliance Assurance Section



"Into the Unknown: Finding Commercial Phosphorus Sources"
Josie Woger | *Environmental Compliance Technician – Fox Metro Water Reclamation District.*

There are many unknowns in the wastewater world when it comes to phosphorous. With high levels of phosphorous leading to eutrophication, it is important that wastewater facilities understand where phosphorous is coming from. In this talk, we will look at the approach that Fox Metro took for finding sources of PO4 entering our plant. We will touch on industrial and residential PO4 but dive deep into the commercial side. This will include commercial facilities to sample, criteria for sampling and the major and minor contributors. Once the PO4 sources are identified, a reduction plan can be created in hopes of reducing the amount of PO4 being released into the POTW and the environment. I hope that this presentation can provide some guidance for your facility's commercial PO4 study and future reduction plans.

"Tracing Phosphorus: Identification and Quantification of Phosphorus Sources"
Rick Federighi | *Director of Public Works – Village of Addison.*

With pending new regulations, the Village of Addison conducted a study to identify and quantify commercial and industrial sources of phosphorous. Testing was performed at several industrial facilities that were regulated through the existing Pretreatment Program. Removal rates for phosphorous were also examined across various types of industrial wastewater treatment. Several phosphorous alternatives and minimization strategies were investigated for a few of the industrial sectors. In addition, preliminary local limits and surcharge fees were calculated from a combination of extensive background monitoring, and theoretical modelling of our two POTW's using different proposed phosphorous treatment technologies.

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