


# Technical Assistance Webinar Series: Improving CWA-NPDES Permit Compliance at Small Wastewater Treatment Systems

Version 1/10/2022



This webinar series supports the joint EPA and Authorized State Significant Noncompliance (SNC) Rate Reduction National Compliance Initiative (NCI), which is aimed at improving surface water quality and reducing potential impacts on drinking water by assuring that all Clean Water Act (CWA) – National Pollutant Discharge Elimination System (NPDES) permittees are complying with their wastewater discharge permits. The most common dischargers in significant noncompliance are wastewater treatment systems discharging less than one million gallons per day.

<b>REGISTRATION:</b>	<b>FREE</b> online registration! See links below. Look for individual webinar flyers for additional details.
<b>PURPOSE:</b>	Help attendees understand the root causes of common problems faced by wastewater treatment system operators and provide suggestions and resources to help them fine-tune their operations and, if needed, fix their noncompliance problems.
<b>INTENDED AUDIENCE:</b>	Plant operators, municipal leaders, technical assistance providers and compliance inspection staff from federal, state, tribal and local governments.
<b>PRESENTERS:</b>	Experts from States, US EPA, and Private Industry.
<b>CERTIFICATE OF ATTENDANCE:</b>	All registered attendees receive a follow-up email from GoToWebinar 24 hours after the conclusion of the webinar including a link to download a certificate of attendance. Attendees may check with their relevant state certification authority for eligibility of continuing education credits.
<b>SPONSORS:</b>	Office of Compliance, US EPA, US EPA - State Reducing Significant Non-Compliance with NPDES Permits National Compliance Initiative Workgroup
<b>QUESTIONS:</b>	Peter Bahor or Laura Paradise, Office of Compliance, US EPA <a href="mailto:bahor.peter@epa.gov">bahor.peter@epa.gov</a> or <a href="mailto:paradise.laura@epa.gov">paradise.laura@epa.gov</a>
<b>PAST WEBINARS:</b>	Links to view prior recordings are below. Certificates are <i>not</i> issued for viewing past recordings

## Upcoming Scheduled Webinars

Thursday January 27, 2022 (1:00 – 2:30pm Eastern)

*Optimizing Nutrient Removal in Oxidation Ditches*

Presenter: Grant Weaver, PE, President Grant Tech, Inc

Registration: <https://attendee.gotowebinar.com/register/4512930503287581708>

Thursday February 17, 2022 (1:00 – 2:30pm Eastern)

*Optimizing Nutrient Removal in Sequencing Batch Reactors*

Presenter: Grant Weaver, PE, President Grant Tech, Inc

Registration: [https://usepa.zoomgov.com/webinar/register/WN\\_Pb87\\_yreSHCz\\_DU5avfY0g](https://usepa.zoomgov.com/webinar/register/WN_Pb87_yreSHCz_DU5avfY0g)

Thursday March 31, 2022 (1:00 – 2:30pm Eastern)

*Optimizing Nutrient Removal in Activated Sludge WWTPs*

Presenter: Grant Weaver, PE, President Grant Tech, Inc

Registration: [https://usepa.zoomgov.com/webinar/register/WN\\_yEHTJiM3T8WWq98JyjMzAA](https://usepa.zoomgov.com/webinar/register/WN_yEHTJiM3T8WWq98JyjMzAA)

Thursday April 28, 2022 (1:00 – 2:30pm Eastern)

*Transitioning from Permit Compliance to Wastewater Excellence*

Presenter: Grant Weaver, PE, President Grant Tech, Inc

Registration: [https://usepa.zoomgov.com/webinar/register/WN\\_tV\\_idIApQcugswx93Sedfg](https://usepa.zoomgov.com/webinar/register/WN_tV_idIApQcugswx93Sedfg)

## Past Recorded Webinars

*Certificates of Completion are NOT issued for viewing past recorded webinars.*

*Webinars are listed below from newest to oldest.*

*What to Expect When You Are Expecting an Inspection*

Presenter: Cornell Gayle, US EPA Region 4, Atlanta, GA

Presented on December 16, 2021

Recording: <https://attendee.gotowebinar.com/recording/4844649862366442766>

*Troubleshooting Sludge Problems in Wastewater Lagoon Systems*

Presenter: Steve Harris, President H&S Environmental, LLC

Presented on November 18, 2021

Recording: <https://attendee.gotowebinar.com/recording/9153138951745511951>

*Optimize Your Wastewater Treatment Plant: Save Energy and Reduce Nutrient Discharge*

Presenter: Larry W. Moore, PhD, Professor Emeritus, University of Memphis

Presented on October 21, 2021

Recording: <https://attendee.gotowebinar.com/recording/2783684584093323792>

*Industrial Pretreatment Program Audits of Municipal Wastewater Treatment Plants: What to expect, how to prepare, and common findings*

Presenters: Justin Pimpare (US EPA, Boston) and Amelia Whitson (US EPA, San Francisco)

Presented on September 22, 2021

Recording: <https://attendee.gotowebinar.com/recording/2877983098696470031>

*Knowing Your Headworks: Identifying the Pitfalls in Preliminary Treatment*

Presenters: Randy Welch (Southeast Rural Community Assistance Project, NC); Cary Houchins (Midwest Assistance Program, KS)

Presented on August 26, 2021

Recording: Find this recording on our [website](#)

*Building Resilience and Adapting to Climate Change Impacts for Drinking Water and Wastewater Utilities – Resilience Part 2 of 2*

Presenters: Curt Baranowski (US EPA HQ); David Coppes (MWRA), Shaun Livermore (Poarch Band of Creek Indians Utilities Authority)

Presented on July 29, 2021

Recording: <https://attendee.gotowebinar.com/recording/6969324138550784527>

*Protecting your Utility from Disaster – Resilience Part 1 of 2*

Presenters: David Goldbloom-Helzner (US EPA HQ); Jennifer Cowser (City Administrator, Elkader, IA); Isabella Schroeder (Greater New Haven Water Pollution Control Authority), Chris Wester (Weston & Sampson Engineers)

Presented on June 24, 2021

Recording: <https://attendee.gotowebinar.com/recording/7163026200751652353>

*Biosolids Part 2: Wastewater Treatment Sludge Disposal Methods (Land Application, Incineration, and Surface Disposal)*

Presenters: Brad Tingley (Des Moines, IA), Levi Fuller (Dublin-San Ramon SD), Bruce Bartel (Green Bay Metropolitan Sewer District)

Presented on: May 27, 2021

Recording: <https://attendee.gotowebinar.com/recording/3912379446242348816>

*Biosolids Part 1: Overview of Wastewater Treatment Sludge and Clean Water Act Regulatory Structure*

Presenters: Elizabeth Resek (US EPA HQ), Seth Draper (US EPA Region 7), Jake Nguyen (US EPA HQ)

Presented on April 29, 2021

Recording: <https://attendee.gotowebinar.com/recording/4033327923701634573>

*Get Flexible - Low Cost Compliance Solutions for Small Wastewater Treatment Systems*

Presenter: Jon van Dommelen, Ohio EPA Compliance Assistance Unit

Presented on March 25, 2021

Recording: <https://attendee.gotowebinar.com/recording/1276709335581462539>

*Do's and Don'ts in Operating an NPDES Laboratory: Common Mistakes and Ways to Improve Results*

Presenter: Magdeleine Dallemagne, US EPA Region 6, Dallas, TX

Presented on February 24, 2021

Recording: <https://attendee.gotowebinar.com/recording/6726041794315041031>

*Sampling: Dos and Don'ts*

Presenter: Cornell Gayle, US EPA Region 4, Athens, GA

Presented on January 27, 2021

Recording: <https://attendee.gotowebinar.com/recording/6815521149475765511>

*Flow Measurement*

Presenters: Louis Salguero, US EPA Region 4 (Athens, GA) and Cornell Gayle, US EPA Region 4 (Atlanta, GA)

Presented on December 8, 2020

Recording: <https://attendee.gotowebinar.com/recording/11309988110613264>

*The Microbiology of Wastewater Treatment - Life in the Aeration Tank: Bacteria, Protozoa and Metazoa*

Presenter: Jon van Dommelen, OH EPA Compliance Assistance Unit

Presented on November 17, 2020

Recording: <https://attendee.gotowebinar.com/recording/5062683009439756812>

*Strategies for Small POTWs Handling High Strength Influent (Pretreatment/non-domestic sewage, establishing local limits, examples regarding dairies and breweries)*

Presenters: Justin Pimpare, EPA Region 1 (Boston, MA) and Al Garcia EPA Region 8 (Denver, CO)

Presented on October 20, 2020

Recording: <https://attendee.gotowebinar.com/recording/8027729418373277708>

*Best Management Practices for POTW Compliance: Critical Elements of Successful Wastewater Treatment- Part 2, (Creating and implementing effective SOPs, managing your WWTP to promote compliance, finding technical assistance programs and resources)*

Presenters: Jake Albright PG Environmental, Heather Himmelberger PE, Director Southwest Environmental Finance Center.

Presented on September 15, 2020

Recording: <https://attendee.gotowebinar.com/recording/7160385167586176770>

*Best Management Practices for POTW Compliance: Critical Elements of Successful Wastewater Treatment- Part 1, (Sampling and Monitoring - Compliance v. Process Control, Implementing a Process Control Plan and Making Operational Adjustments, Managing Effective and Educated Operators)*

Presenters: Jake Albright PG Environmental, and Bill Ingram Great Barrington, MA WWTP Superintendent.

Presented on August 18, 2020

Recording: <https://attendee.gotowebinar.com/recording/1623734991672921867>

*Discharge Monitoring Reports—Avoiding Common Mistakes,*

Presenters: Juan Ibarra, Cornell Gayle, Emilio Llamozas, Jake Nguyen (US EPA).

Presented on July 15 and August 20, 2020 (to correct poor audio)

Recording: <https://attendee.gotowebinar.com/recording/4719336312441413633>

*When Small POTWs Should Establish a Pretreatment Program*

Presenters: Jan Pickrel (EPA HQ) and Al Garcia EPA Region 8 (Denver, CO).

Presented on June 17, 2020

Recording: <https://attendee.gotowebinar.com/recording/7384083005289820929>

*CWA-NPDES Compliance Assistance for Public Drinking Water Systems*

Presenter: Jonathan Moody, EPA Region 5.

Presented on May 13, 2020

Recording: <https://attendee.gotowebinar.com/recording/4758793384526059533>

*Asset Management 101 - Finding Financial Assistance for Infrastructure Upgrades*

Presenters: Alison Flenniken (US EPA), Sarah Buck, Rural Community Assistance Partnership (RCAP), and Heather Himmelberger, PE Southwest Environmental Finance Center.

Presented on April 15, 2020

Recording: <https://attendee.gotowebinar.com/recording/4273087420871591174>

*Optimizing Performance of Aerated Wastewater Lagoon Systems, Part 2 of 2*

Presenter: Steve Harris, President H&S Environmental, LLC.

Presented on March 18, 2020

Recording: This webinar is available in 2 unedited video files.

Here is the first portion of the webinar covering general troubleshooting principals, which was re-recorded to correct bad audio:

<https://attendee.gotowebinar.com/recording/9058447897536662540>

Fast forward to minute 18 of this file, which covers case studies:

<https://attendee.gotowebinar.com/recording/8367447720252920582>

*Optimizing Performance of Facultative Wastewater Lagoon Systems, Part 1 of 2*

Presenter: Steve Harris, President H&S Environmental, LLC.

Presented on February 19, 2020

Recording: <https://attendee.gotowebinar.com/recording/8160184280240603907>

*Alkalinity Testing for Better Process Control in Small Wastewater Treatment Plants— Subset of Ammonia Noncompliance*

Presenter: Jon van Dommelen, OH EPA Compliance Assistance Unit.

Presented on January 29, 2020

Recording: <https://attendee.gotowebinar.com/recording/3324860894793983234>

*Optimizing Nutrient Reduction in Small Wastewater Treatment Plants*

Presenter: Jon van Dommelen, OH EPA Compliance Assistance Unit.

Presented on December 11, 2019

Recording: <https://attendee.gotowebinar.com/recording/1681811190301242892>

*Troubleshooting Noncompliance at the Smallest Wastewater Treatment Plants – Part 2 of 2 (Solids Separation and Disinfection)*

Presenter: Jon van Dommelen, OH EPA Compliance Assistance Unit.

Presented on November 13, 2019

Recording: <https://attendee.gotowebinar.com/recording/119643760635460353>

*Troubleshooting Noncompliance at the Smallest Wastewater Treatment Plants - Part 1 (Ohio's Package Plant Initiative, Nutrient Conversion)*

Presenter: Jon van Dommelen, OH EPA Compliance Assistance Unit.

Presented on October 17, 2019

Recording: <https://attendee.gotowebinar.com/recording/703651561190809864>

**Additional Resources:**

<https://www.epa.gov/small-and-rural-wastewater-systems>

[WaterOperator.org](https://www.wateroperator.org) aggregates the best resources on the web for small system operators in a free, user-friendly location. This is supported by the Rural Community Assistance Partnership (RCAP) and the University of Illinois Urbana-Champaign, with funding from the US Environmental Protection Agency.