



Operator Training Committee of Ohio., Inc.

# Class III & IV Workshop for Water & Wastewater Operators



# WATER AGENDA

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>	<u>OEPA Approval #</u>	<u>Contact Hours</u>
8:00am	Welcome, Updates, & Webinar Overview	<b><i>Curtis L, Truss Jr. OTCO</i></b>	-----	-----
8:15am	Ohio EPA Update DDAGW / DSW / Operator Certification	<b>Brian Hall</b> , Assistant Chief, DSW <b>Beth Messer</b> , Assistant Chief, DDAGW <b>Andy Barienbrock</b> , Environmental Manager, DDAGW	OTCO-B13480-OM	1.50
9:45am	<b>Transition Break (30 Minutes)</b>	-----	-----	-----
10:15am	Valve Exercise Program	<b>Kevin Waugh</b> , <i>Utility-Solutions</i>	OTCO-D13501-OM	0.75
11:00am	Saving Money Pumping Groundwater	<b>Andy Andiyastika</b> , Hose Solutions, Inc.	OTCO-D13487-OM	0.75
11:45am	<b>Lunch Break (45 Minutes)</b>	-----	-----	-----
12:30pm	An Introduction To an Unconventional Microbiological Monitoring Tool in Drinking Water	<b>Adam Barnett</b> , <i>LuminUltra</i>	OTCO-D13488-OM	.50
1:00pm	Coagulation Process Optimization	<b>Dave Rutowski</b> <i>Hach</i>	OTCO-D13489-OM	1.00
2:00pm	<b>Break (30 Minutes)</b>	-----	-----	-----
2:15pm	Colorimetric vs. Amperometric Chlorine Analyzers	<b>Tim Letourneau</b> <i>Hach</i>	<i>OTCO-D13490-OM</i>	0.75
3:00pm	TOC Application for Drinking Water	<b>Carlos Williams</b> <i>Hach</i>	<i>OTCO-D13491-OM</i>	0.75
3:45pm	<b>Adjourned</b>			

# WASTEWATER AGENDA

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9:45am	<b>Transition Break (30 Minutes)</b>	-----	-----	-----
10:15am	Milford Project	<b>Mike Stark</b> , Trihedral	OTCO-S13481-OM	0.75
11:00am	Lift Station Notifications for Operations & Safety	<b>Mike Zronek</b> , Data Command	OTCO-S13493-X	1.50
11:45am	<b>Lunch Break</b>	-----	-----	-----
12:30pm	Wastewater Microbiology & Process Control	<b>Toni Glymph</b> , <i>Wastewater Microbiology Solutions</i>	OTCO-S13445-OM	1.50
2:00pm	<b>Break (15 Minutes)</b>	-----	-----	-----
2:15pm	Wastewater Microbiology & Process Control	<b>Toni Glymph</b> , Wastewater Microbiology Solutions	Continue	1.50
3:45pm	<b>Adjourned</b>	-----	-----	-----

**HELP DESK:** If you have problems logging in or during the webinar, the following OTCO Webinar Technicians are available to assist you:



➤ Cecil McDonald \* (330) 575-8675 \* [cecil@otco.org](mailto:cecil@otco.org)



➤ Garrett Mitchell \* (440) 452-4657 \* [garrett@otco.org](mailto:garrett@otco.org)

➤ Curtis Truss Jr. \*(937)215-6554 \* [curtis@otco.org](mailto:curtis@otco.org)

**FOR OTHER INQUIRES SEE BELOW:**

Erin Moore \* (614) 330-0657 \* [erin@otco.org](mailto:erin@otco.org)

RaShawn Truss \* (937) 244-8149 \* [rashawn@otco.org](mailto:rashawn@otco.org)

*On behalf of the OTCO Board of Trustees and The Office Staff (Erin, Rashawn, & Keely,)...*

*We hope you find this webinar educational.*

**NOTE:** Paying registrants shall received Contact Hours for this Webinar.

Attendees shall receive 6.0 hours for successfully attending all courses today.

Attendees shall **also** receive 6.0 hours Distance Learning Course Either:

1) Paper & Pencil



2) Web Based



# 2020 The Year of Foresight

## CIVID-19 & Contingency Plans

~~Plan A~~

~~Plan B~~

Plan C



# Ohio EPA Operator Certification & COVID-19

The May 6, 2020 water and wastewater examinations have been postponed and will be rescheduled once the Governor's State of Emergency ends. Applicants have been notified of this postponement via email and will receive notification of the new examination date once it is established.



Ohio EPA is receiving inquiries regarding the cancellation of in person trainings due to precautions being taken to address COVID-19. Operators are asking what options are available to receive training necessary in the event they have a certificate that is due for renewal at the end of this year.

There is a large inventory of either correspondence or online training approved for operators to use. We maintain a list of internet and correspondence training providers at the following link:  
[https://epa.ohio.gov/Portals/28/documents/opcert/Internet\\_and\\_Correspondence\\_training.pdf](https://epa.ohio.gov/Portals/28/documents/opcert/Internet_and_Correspondence_training.pdf)

If you would like to obtain contact hours during the period precautionary measures are being taken, we would suggest contacting the training providers on the above referenced list. If you wish to develop your own internal or internet based courses you may submit an application for approval through the Ohio EPA ebusiness center. Directions for doing this can be found under the ebusiness tab below. Ohio Administrative Code Rule 3745-7-15 contains the criteria for approval of web based course approvals.

# Ohio Administrative Code 3745-7-17

## Expiration and renewal of professional operator certification.

(E)(1)(b)(iii) Contact hour course approval.



a) Classroom (*face to face*)

b) Correspondence (mailings)

*a course of study in which student and teachers communicate by mail.*

c) Web-based (*all content*)

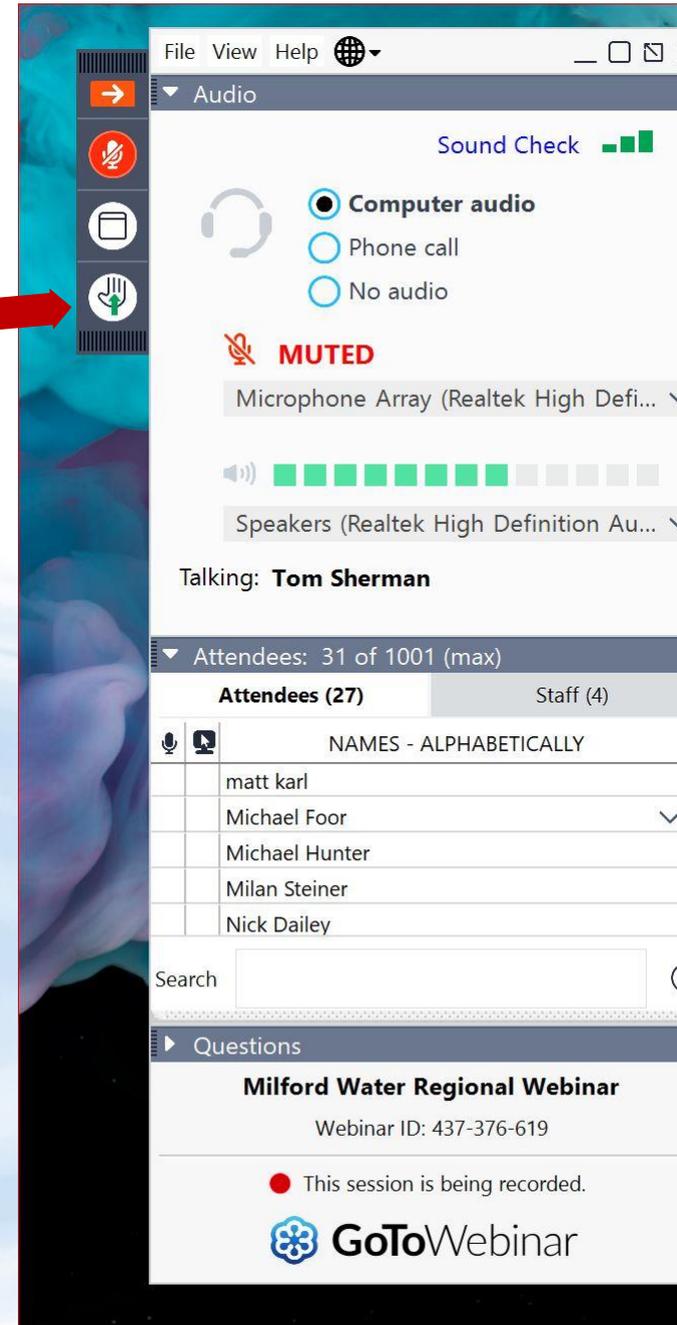
*which shall be interactive and not static or pre-recorded: Results of an interactive test given during the course for comprehension. A report of how long a student had the course as their main screen. A student is considered in attendance for the course if the report indicates **ninety per cent of the time was spent with the course as the main screen.***

d) Webinar (*all content & live*)

*Documentation of periodic interactivity. Documentation that an operator has spent **a minimum of ninety per cent of the time with the webinar** as the active window on the computer or some other method for verification approved by the director.*

Your microphone will be muted during the presentations. There will be a 5-10 minutes question & answer period for each presenter. To ask a question, click on the “hand”

You will be acknowledged by a Webinar Technician.



The screenshot shows the GoTo Webinar interface. On the left, a vertical toolbar contains icons for navigation, microphone, chat, and a hand icon. A red arrow points to the hand icon. The main window displays the 'Audio' settings, where 'Computer audio' is selected and the microphone is muted. Below this, the speaker list shows 'Tom Sherman' is talking. The 'Attendees' section shows 31 of 1001 participants, with a list of names including 'matt karl', 'Michael Foor', 'Michael Hunter', 'Milan Steiner', and 'Nick Dailey'. The 'Questions' section is also visible, showing the webinar title 'Milford Water Regional Webinar' and ID '437-376-619'. A red dot indicates the session is being recorded, and the GoToWebinar logo is at the bottom.

File View Help

Audio

Sound Check

Computer audio

Phone call

No audio

**MUTED**

Microphone Array (Realtek High Defi...)

Speakers (Realtek High Definition Au...)

Talking: **Tom Sherman**

Attendees: 31 of 1001 (max)

Attendees (27) Staff (4)

NAMES - ALPHABETICALLY

<input type="checkbox"/>	matt karl
<input type="checkbox"/>	Michael Foor
<input type="checkbox"/>	Michael Hunter
<input type="checkbox"/>	Milan Steiner
<input type="checkbox"/>	Nick Dailey

Search

Questions

**Milford Water Regional Webinar**

Webinar ID: 437-376-619

This session is being recorded.

GoToWebinar

**OAC DEFINITION OF ACTIVE INSTRUCTION**

*Active instruction" means the time when a professional operator is receiving instruction.*

*This does not include:*

- break time
- introductions
- question & answer sessions (<15 minutes)

You can also type a question to the presenter by clicking here.

The screenshot shows the right-hand side of a GoToWebinar window. At the top, there is a menu with 'File', 'View', and 'Help'. Below this is a 'Audio' section with a 'Sound Check' link. The audio options are: 'Computer audio' (selected with a blue dot), 'Phone call', and 'No audio'. A red 'MUTED' indicator is present with a microphone icon crossed out. Below the audio settings is a volume slider and the text 'Speakers/Headphones (Realtek H...'. A 'Talking:' indicator is visible. At the bottom of the audio section is a 'Questions/Chat' section with a right-pointing arrow. Below this, the text 'Sample Webinar' and 'Webinar ID: 442-975-963' is displayed. At the very bottom is the GoToWebinar logo and name.



# Webinar Software Keep Track of Your Attentiveness.



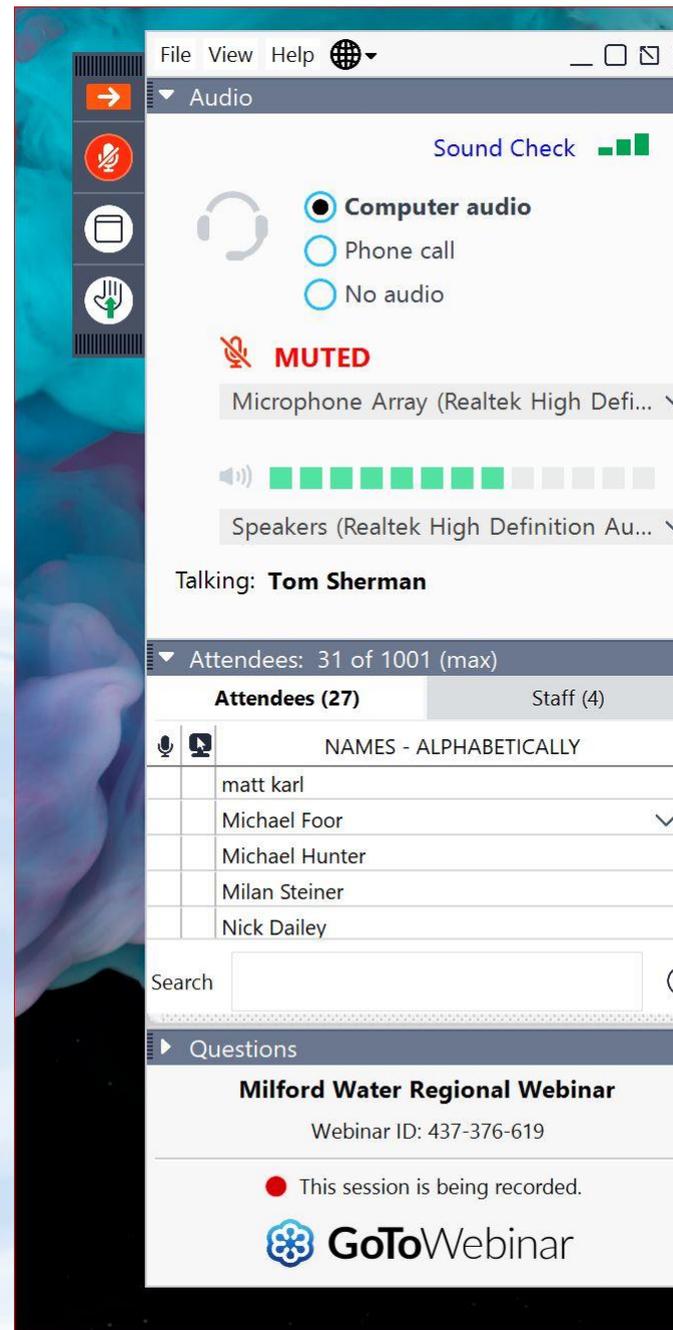
3745-7-15 of the Ohio Administrative Code States:  
*"Webinars:*

- (i) Documentation of periodic interactivity.*
- (ii) Documentation that an operator has spent a minimum of ninety per cent of the time with the webinar as the active window on the computer or some other method for verification approved by the director.*

**Random Poll Questions**

If you are not in the "active Window" of the webinar (in other words)... you start doing something else on your webinar computer, a red triangle will appear on Webinar Technician and said time will be deducted from your attendance until you return to the active window.

Webinar Technician will warn you to get back on screen, They will warn you 2 times, to get to the right window just push on the blue flower in your task bar

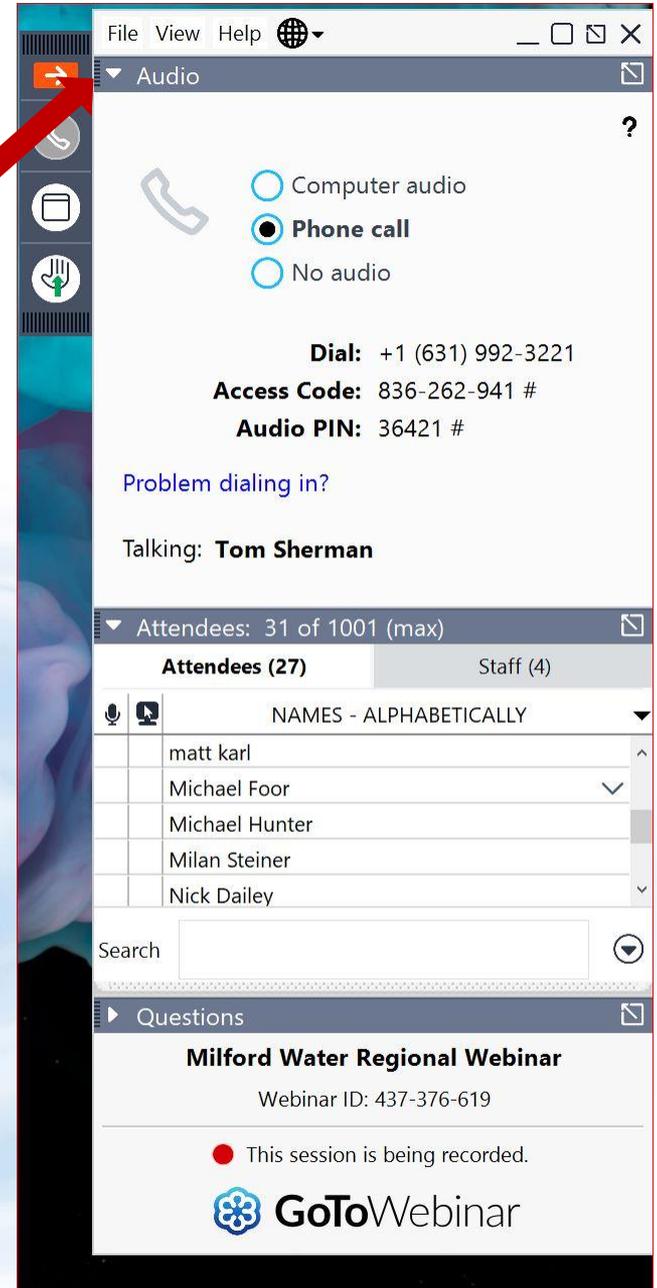


## ATTENDEES

Dial: +1 (415) 655-0052

Access Code: 786-192-145 #

THEN YOU WILL NEED A PIN #, TO FIND IT PUSH ON THE DROP DOWN ARROW THEN SELECT PHONE CALL THEN YOU'LL SEE THE PHONE NUMBER, ACCESS CODE AND PIN NUMBER THIS PIN # IS ONLY FOR YOU



The screenshot shows the GoTo Webinar interface. At the top, there is a menu with 'File', 'View', and 'Help'. Below the menu is a toolbar with icons for audio, chat, and other functions. A red arrow points to the 'Audio' dropdown menu, which is currently open. The 'Audio' menu has three options: 'Computer audio', 'Phone call' (which is selected), and 'No audio'. Below the audio settings, the dialing information is displayed: 'Dial: +1 (631) 992-3221', 'Access Code: 836-262-941 #', and 'Audio PIN: 36421 #'. There is a link for 'Problem dialing?' and the text 'Talking: Tom Sherman'. Below this, the 'Attendees' section shows 'Attendees: 31 of 1001 (max)' and 'Staff (4)'. A list of attendees is shown, sorted alphabetically, with names: 'matt karl', 'Michael Foor', 'Michael Hunter', 'Milan Steiner', and 'Nick Dailey'. There is a search bar and a dropdown arrow next to it. At the bottom, the 'Questions' section is visible, showing the webinar title 'Milford Water Regional Webinar' and 'Webinar ID: 437-376-619'. A red dot indicates 'This session is being recorded.' and the GoToWebinar logo is at the bottom.

File View Help

Audio

Computer audio  
Phone call  
No audio

Dial: +1 (631) 992-3221  
Access Code: 836-262-941 #  
Audio PIN: 36421 #

Problem dialing?

Talking: Tom Sherman

Attendees: 31 of 1001 (max)  
Attendees (27) Staff (4)

NAMES - ALPHABETICALLY

	matt karl	^
	Michael Foor	∨
	Michael Hunter	
	Milan Steiner	
	Nick Dailey	∨

Search

Questions

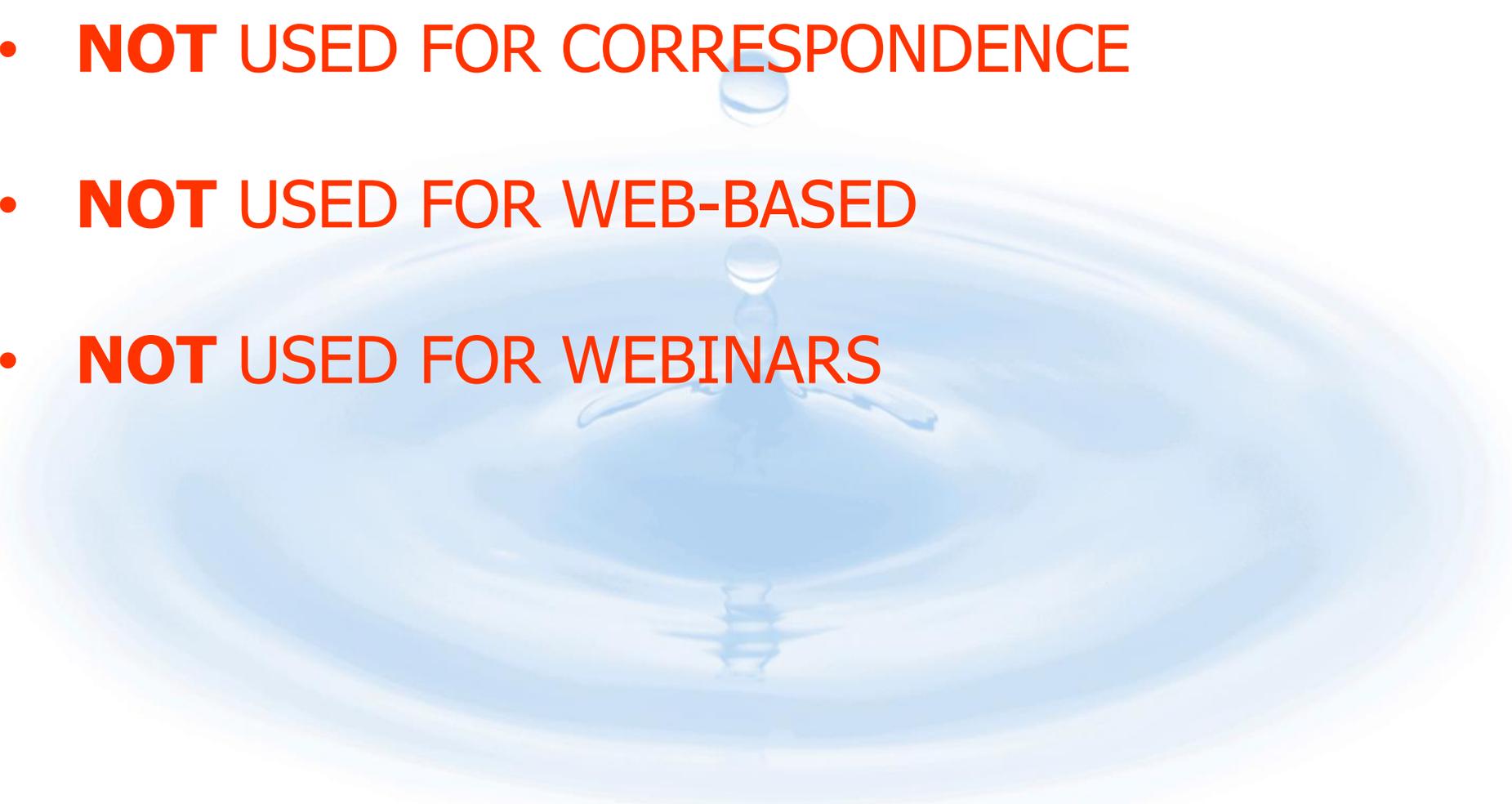
Milford Water Regional Webinar  
Webinar ID: 437-376-619

This session is being recorded.

GoToWebinar

# OTCO CONTACT HOUR FORMS

- USED FOR CLASSROOM (FACE TO FACE ONLY)
- **NOT** USED FOR CORRESPONDENCE
- **NOT** USED FOR WEB-BASED
- **NOT** USED FOR WEBINARS



# Software Keeps Collects The Metric

913-886-211	04/03/2020 10:02:34 PM EDT	1 hour 36 minutes	16	14	26	15	
<b>Attendee Details</b>							
Attended	Interest Rating	Last Name	First Name	Email Address	Registration Date/Time	Join Time - Leave Time (Time in Session)	Time in Session
Yes	87				04/03/2020 10:38 AM EDT	04/03/2020 02:56 PM EDT - 04/03/2020 04:01 PM EDT (1 hour 5 minutes)	1 hour 5 minutes
Yes	99				04/03/2020 10:36 AM EDT	04/03/2020 02:40 PM EDT - 04/03/2020 04:09 PM EDT (1 hour 30 minutes)	1 hour 30 minutes
Yes	98				04/03/2020 02:11 PM EDT	04/03/2020 02:41 PM EDT - 04/03/2020 04:02 PM EDT (1 hour 21 minutes)	1 hour 21 minutes
Yes	97				04/03/2020 02:42 PM EDT	04/03/2020 02:43 PM EDT - 04/03/2020 03:15 PM EDT (33 minutes),04/03/2020 03:16 PM EDT - 04/03/2020 03:46 PM EDT (30 minutes),04/03/2020 03:57 PM EDT - 04/03/2020 04:01 PM EDT (5 minutes),04/03/2020 04:01 PM EDT - 04/03/2020 04:02 PM EDT (1 minute)	1 hour 7 minutes
Yes	92				04/03/2020 02:14 PM EDT	04/03/2020 02:59 PM EDT - 04/03/2020 03:05 PM EDT (6 minutes),04/03/2020 03:06 PM EDT - 04/03/2020 04:02 PM EDT (57 minutes)	1 hour 3 minutes
Yes	92				04/03/2020 01:54 PM EDT	04/03/2020 02:49 PM EDT - 04/03/2020 04:01 PM EDT (1 hour 12 minutes)	1 hour 12 minutes
Yes	95				04/03/2020 01:24 PM EDT	04/03/2020 02:57 PM EDT - 04/03/2020 04:02 PM EDT (1 hour 6 minutes)	1 hour 6 minutes
Yes	86				04/03/2020 01:10 PM EDT	04/03/2020 03:10 PM EDT - 04/03/2020 04:01 PM EDT (52 minutes)	52 minutes

## Join Time - Leave Time (Time in Session)

## Time in Ses

04/03/2020 02:56 PM EDT - 04/03/2020 04:01 PM EDT (1 hour 5 minutes)

1 hour 5 min

04/03/2020 02:40 PM EDT - 04/03/2020 04:09 PM EDT (1 hour 30 minutes)

1 hour 30 mi

04/03/2020 02:41 PM EDT - 04/03/2020 04:02 PM EDT (1 hour 21 minutes)

1 hour 21 mi

04/03/2020 02:43 PM EDT - 04/03/2020 03:15 PM EDT (**33 minutes**),04/03/2020 03:16  
 PM EDT - 04/03/2020 03:46 PM EDT (**30 minutes**),04/03/2020 03:57 PM EDT -  
 04/03/2020 04:01 PM EDT (**5 minutes**),04/03/2020 04:01 PM EDT - 04/03/2020 04:02 PM  
 EDT (**1 minute**)

1 hour 7 mi

04/03/2020 02:59 PM EDT - 04/03/2020 03:05 PM EDT (6 minutes),04/03/2020 03:06 PM  
 EDT - 04/03/2020 04:02 PM EDT (57 minutes)

1 hour 3 min

04/03/2020 02:49 PM EDT - 04/03/2020 04:01 PM EDT (1 hour 12 minutes)

1 hour 12 mi

04/03/2020 02:57 PM EDT - 04/03/2020 04:02 PM EDT (1 hour 6 minutes)

1 hour 6 min

04/03/2020 03:10 PM EDT - 04/03/2020 04:01 PM EDT (**52 minutes**)**52 minutes**



# OTCO Class III/IV Webinar Webinar Moderators



Jason Phillips, Water Superintendent

City of Findlay

OTCO Past President of OTCO Board Of Trustees

Class IV Certified Professional Water Supply Operator

Class III Wastewater Works Professional Operator



MaryAnn Figgins, Utilities Operation Superintendent

City of Pataskala

OTCO Central District Wastewater Professional Trustee

Class III Certified Professional Wastewater Works Operator

Class I Certified Professional Water Supply Operator





# WATER AGENDA

<u>Time</u>	<u>Topic</u>	Presenter	<u>OEPA Approval #</u>	<u>Contact Hours</u>
8:00am	Welcome, Updates, & Webinar Overview	<b>Curtis L, Truss Jr.</b> OTCO	-----	-----
8:15am	Ohio EPA Update DDAGW / DSW / Operator Certification	 <b>Brian Hall</b> , Assistant Chief, DSW <b>Beth Messer</b> , Assistant Chief, DDAGW <b>Andy Barienbrock</b> , Environmental Manager, DDAGW	OTCO-B13480-OM	1.50
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12:30pm	An Introduction To an Unconventional Microbiological Monitoring Tool in Drinking Water	<b>Adam Barnett</b> , <i>LuminUltra</i>	OTCO-D13488-OM	.50
1:00pm	Coagulation Process Optimization	<b>Dave Rutowski</b> <i>Hach</i>	OTCO-D13489-OM	1.00
2:00pm	<b>Break (30 Minutes)</b>	-----	-----	-----
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3:45pm	<b>Adjourned</b>			

# Class III & IV Workshop Water

## Wednesday, July 30, 2020



*Brian Hall,  
Assistant Chief, DSW*



Andy Andiyastika,  
Hose Solutions,  
Inc



Carlos Williams  
Hach



*Beth Messer,  
Assistant Chief, DDAGW*



Adam Barnett,  
LuminUltra



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Tim Letourneau  
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Thursday, July 30, 2020

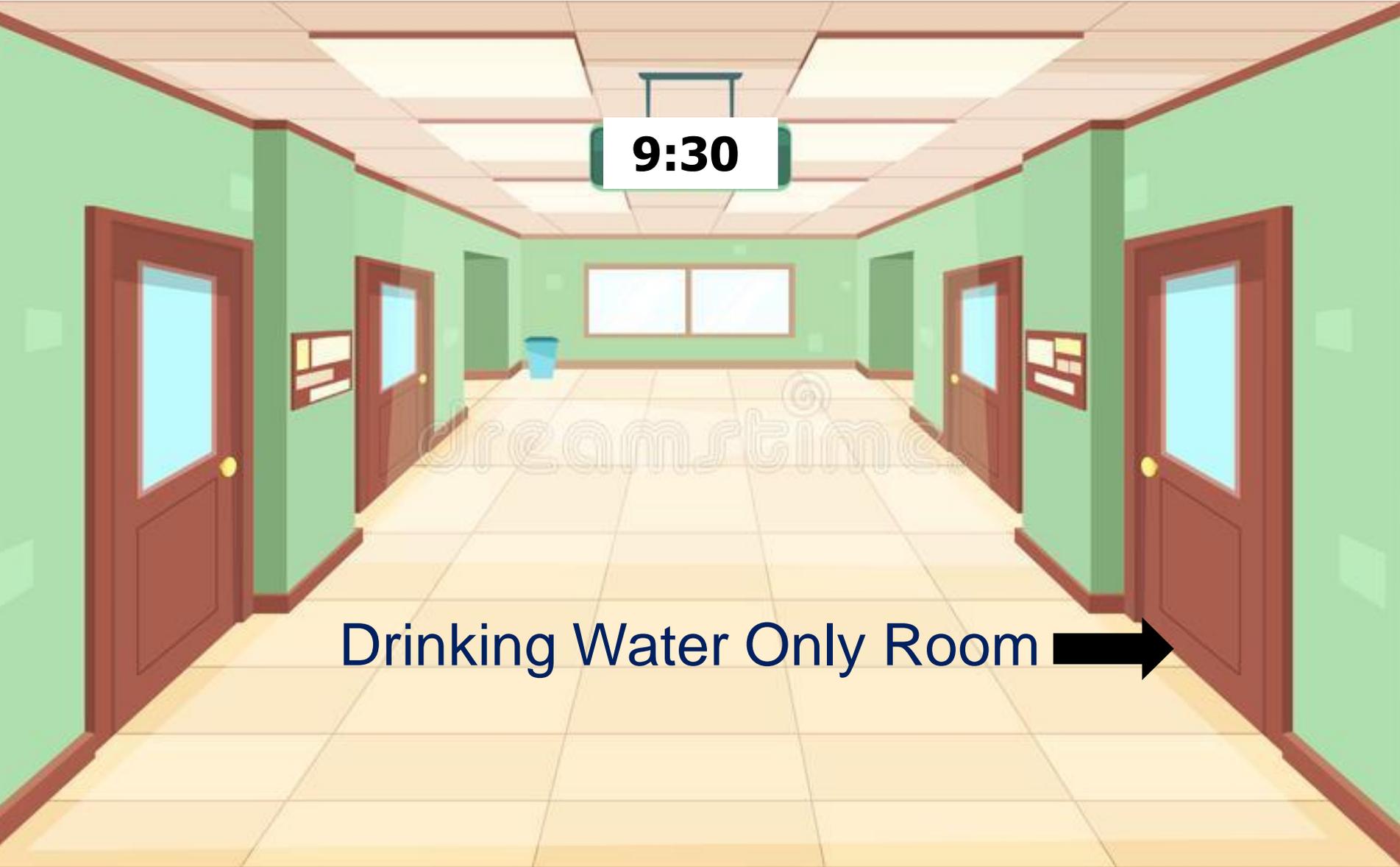


9:30-10:00 Transition Break

Thursday, July 30, 2020

9:30

Drinking Water Only Room →



Thursday, July 30, 2020

# Wastewater Operators Follow Me



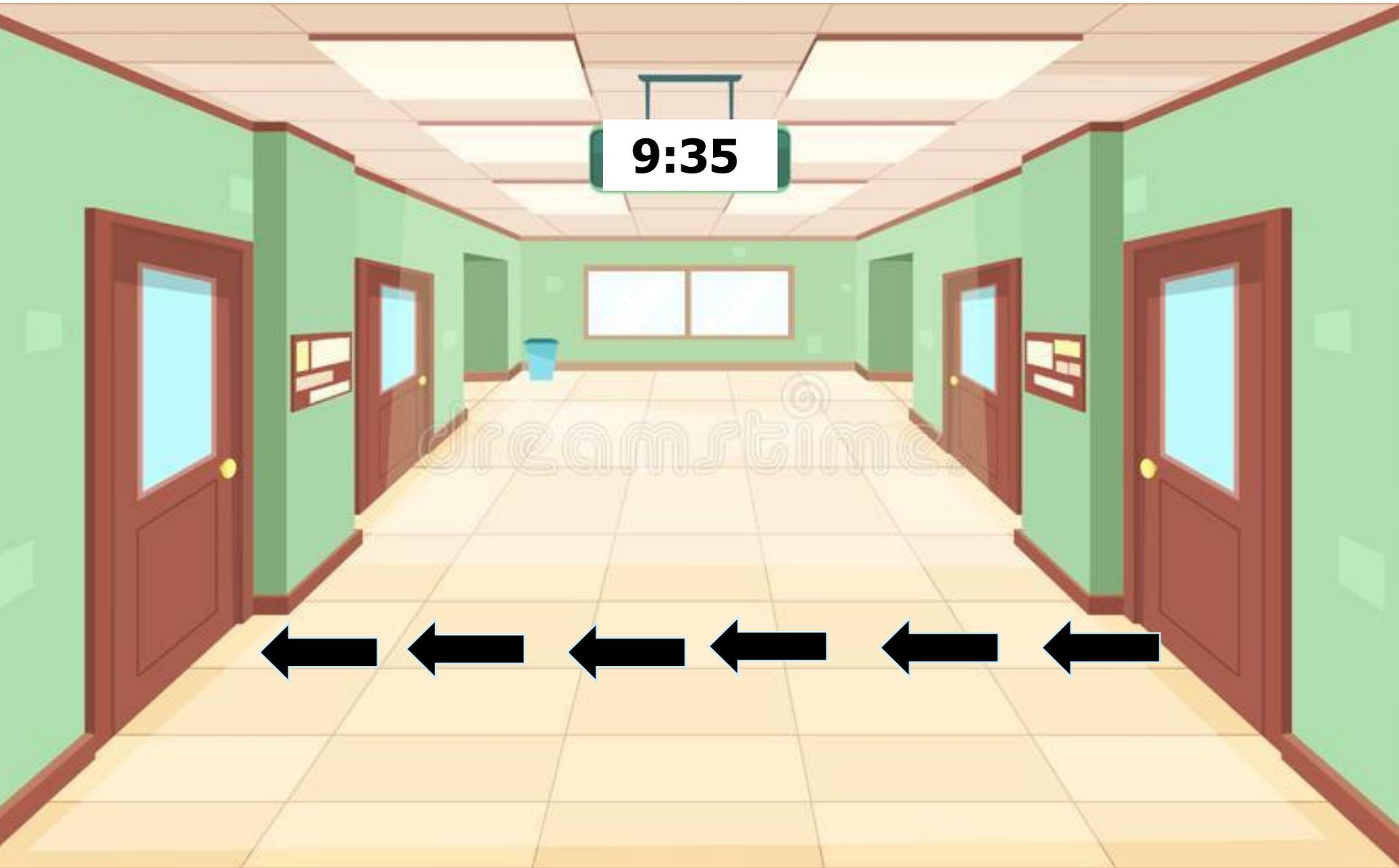
Thursday, July 30, 2020

9:30

Wastewater Operators ←  
Leave This Room



Thursday, July 30, 2020



Thursday, July 30, 2020

9:40

← Wastewater Only Room



Thursday, July 30, 2020

# Welcome Wastewater Operator



Thursday, July 30, 2020

# Drinking Water Only Room



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Assistant Chief, DSW*



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Hose Solutions,  
Inc



*Beth Messer,  
Assistant Chief, DDAGW*



Adam Barnett,  
LuminUltra

Carlos Williams  
Hach



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Environmental Manager,  
DDAGW*



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Assistant Chief, DSW*



Andy Andiyastika,  
Hose Solutions,  
Inc



*Beth Messer,  
Assistant Chief, DDAGW*



Adam Barnett,  
LuminUltra

Carlos Williams  
Hach



*Andy Barienbrock,  
Environmental Manager,  
DDAGW*



Dave Rutowski  
Hach



Kevin Waugh,  
Utility-Solutions



Tim Letourneau  
Hach

# LUNCH

11:45 am – 12:30 pm



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Hose Solutions,  
Inc



*Beth Messer,  
Assistant Chief, DDAGW*



Adam Barnett,  
LuminUltra

Carlos Williams  
Hach



*Andy Barienbrock,  
Environmental Manager,  
DDAGW*



Dave Rutowski  
Hach



Kevin Waugh,  
Utility-Solutions



Tim Letourneau  
Hach

# WATER AGENDA

<u>Time</u>	<u>Topic</u>	Presenter	<u>OEPA Approval #</u>	<u>Contact Hours</u>
8:00am	Welcome, Updates, & Webinar Overview	<b><i>Curtis L, Truss Jr. OTCO</i></b>	-----	-----
8:15am	Ohio EPA Update DDAGW / DSW / Operator Certification	<b>Brian Hall</b> , Assistant Chief, DSW <b>Beth Messer</b> , Assistant Chief, DDAGW <b>Andy Barienbrock</b> , Environmental Manager, DDAGW	OTCO-B13480-OM	1.50
9:45am	<b>Transition Break (30 Minutes)</b>	-----	-----	-----
10:15am	Valve Exercise Program	 <b>Kevin Waugh</b> , <i>Utility-Solutions</i>	OTCO-D13501-OM	0.75
11:00am	Saving Money Pumping Groundwater	<b>Andy Andiyastika</b> , Hose Solutions, Inc.	OTCO-D13487-OM	0.75
11:45am	<b>Lunch Break (45 Minutes)</b>	-----	-----	-----
12:30pm	An Introduction To an Unconventional Microbiological Monitoring Tool in Drinking Water	<b>Adam Barnett</b> , <i>LuminUltra</i>	OTCO-D13488-OM	.50
1:00pm	Coagulation Process Optimization	<b>Dave Rutowski</b> <i>Hach</i>	OTCO-D13489-OM	1.00
2:00pm	<b>Break (15 Minutes)</b>	-----	-----	-----
2:15pm	Colorimetric vs. Amperometric Chlorine Analyzers	<b>Tim Letourneau</b> <i>Hach</i>	<i>OTCO-D13490-OM</i>	0.75
3:00pm	TOC Application for Drinking Water	<b>Carlos Williams</b> <i>Hach</i>	<i>OTCO-D13491-OM</i>	0.75
3:45pm	<b>Adjourned</b>			

# Class III & IV Workshop Water

## Wednesday, July 30, 2020



*Brian Hall,  
Assistant Chief, DSW*



Andy Andiyastika,  
Hose Solutions,  
Inc



*Beth Messer,  
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Wednesday, July 30, 2020



**BREAK**

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2:15pm	Colorimetric vs. Amperometric Chlorine Analyzers	 <b>Tim Letourneau</b> <i>Hach</i>	<i>OTCO-D13490-OM</i>	0.75
3:00pm	TOC Application for Drinking Water	<b>Carlos Williams</b> <i>Hach</i>	<i>OTCO-D13491-OM</i>	0.75
3:45pm	<b>Adjourned</b>			

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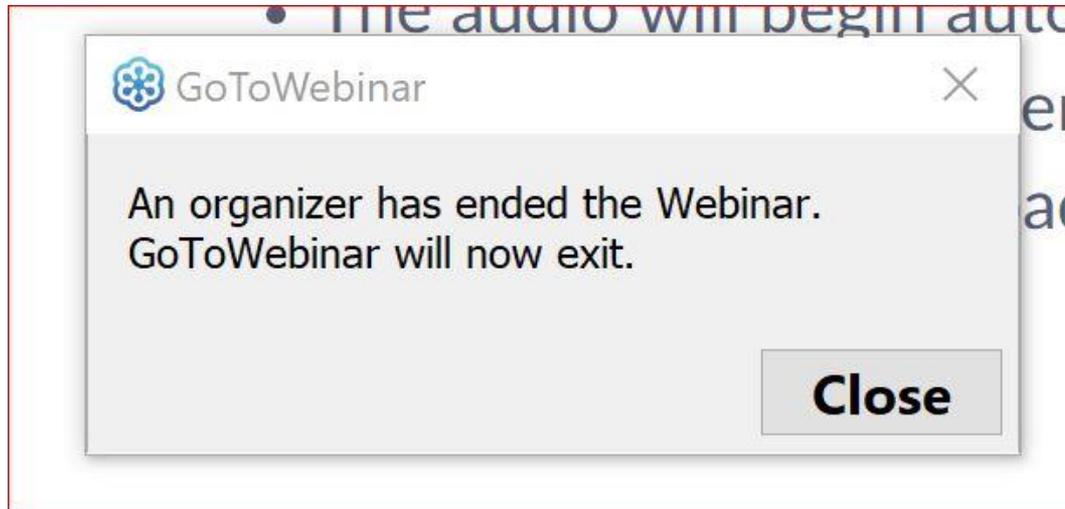


Tim Letourneau  
Hach





**OTCO Survey**  
**Immediately After the webinar**



Do You Have To Participate In The Survey To Obtain Contact Hours?

**NO.** Your Attendance & Engagement Report is more than sufficient.

# Webinar Washington Court House Survey, Please rate the following presentations

1. Is the Water Safe to Drink at Your Wastewater Facility by Gary Espenschied,

1       2       3       4       5       6       7       8       9       10

LOW

High

2. Wastewater Refresher by Mike Maringer

1       2       3       4       5       6       7       8       9       10

LOW

HIGH

3. Biological Nutrient Removal by Jon Van Dommelen

1       2       3       4       5       6       7       8       9       10

LOW

HIGH

4. Operator Certification & Training During Covid-19 by Curtis Truss

1       2       3       4       5       6       7       8       9       10

LOW

HIGH

5. Don't Blow the Commode by Ed Fitzgerald

1       2       3       4       5       6       7       8       9       10

LOW

HIGH



**Contact Hours Will be Posted to  
OTCO & EBIZ Sites  
In 14 days**

A vertical sequence of three water droplets falling from the top center. The first two are small and spherical. The third is larger and is in the process of hitting a surface, creating a series of concentric ripples that spread outwards. The background is a gradient of light blue and green. A semi-transparent orange rectangular box is centered over the ripples, containing the text "THANK YOU" in a black, serif font. The overall image has a soft, ethereal quality.

**THANK YOU**