



INFORMATION-EXCHANGE WEBINAR

An American Ground Water Trust education program

The American Ground Water Trust (AGWT) is a 501(c)(3) non-profit education organization.



MANAGING PFAS AT SOURCE WEBINAR

“Great one-stop source of current information for drinking water decision-makers.”

Wednesday, October 20, 2021 (8:30am – 12:30pm Eastern Standard Time)

Since 2018 the American Ground Water Trust has convened many conference, workshop and webinar events focused on PFAS problems. In-person or virtual programs have been offered for the following states
AZ CA CO CT DC FL GA IA IL KS MA MD ME MI MN MO NC NJ NH NM OH OR PA RI SC VT WA WI & WV

CONTINUING EDUCATION

Approved for NH Drinking Water and Wastewater Operators – 3.75 TCHs

Approved for NH Pump Installers – 3.75 Hours

Approved for MA LSPs – Course #1754, 3.75 TCHs

Approved for MA Wastewater Operators – Board File #BC-2021-3689, 4 TCHs

Application pending for MA Water Operators

Applications pending for CT LEPs, Water Operators and Wastewater Operators

Applications pending for RI Water Operators and Wastewater Operators

Approved for ME Wastewater Operators – ME DEP Approval #AGWT211020, 3.75 TCHs

Approved for ME Water System Operators – Course code #153-2021, 3.75 TCHs

Approved for VT Wastewater Operators – 4 TCHs

Application pending approval for VT Water Operators

Certificate of Attendance provided for engineers, geologists, and other professions with self-reporting procedures.



Businesses of all types should assess their potential liability for contributing to PFAS pollution of drinking water sources. New regulations will focus scrutiny on business and industry effluent discharges, water treatment plants, waste sent to landfills and on commercial/industrial owners of property in source water zones.



PFAS contamination issues are fast moving and constantly changing. Regulations are catching up with the science regarding the complex chemistry of the PFAS suite of compounds and their discovery in every corner of the environment. Water utilities and affected communities must balance health risks and mitigation costs and pay attention to changes in regulatory thresholds.



“Containing PFAS at source is more cost-effective than treatment”

“PFAS is not an emerging contaminant – it is our awareness that is emerging!”

This webinar will provide information to help decision-makers deal with the challenges of health issues, regulations, remediation options and infrastructure costs.



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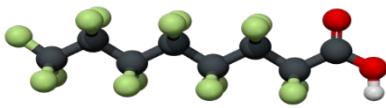
Preferred Pump



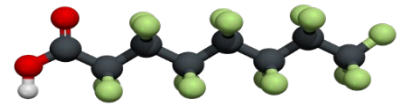
COTEY
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Hydro
resources



Log-in Zoom code provided via e-mail
to registered participants



Expected timing of Webinar - 8:30 to 12:30 (Eastern Standard Time)

10 minutes (8:30 – 8:40)

THE DEPTH AND EXTENT OF PFAS IMPACTS ON WATER RESOURCES IN THE US

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

35 minutes (8:40 – 9:15)

REDUCING THE IMPACTS OF “DOWNSTREAM” PFAS TREATMENT OF DRINKING WATER BY TREATMENT AND MANAGEMENT OF PFAS AT “UPSTREAM” SOURCES

AnnieLu DeWitt, Remediation Technologies, Clean Harbors, South Portland, ME

35 minutes (9:15 – 9:50)

EVALUATION AND SELECTION OF DEMONSTRATED SOIL AND GROUNDWATER REMEDIATION TECHNOLOGIES FOR PFAS SOURCE ZONES

Nathan Hagelin - Director Global Technical Expert Network, Wood, Portland, ME

35 minutes (9:50 -10:25)

CAPITAL INVESTMENT AND O & M COSTS FOR PFAS TREATMENT OPTIONS

Cathy Swanson, Groundwater Remediation Specialist, Purolite Corporation, Fullerton, CA
Joe Klimek, Northeast Sales Manager, Purolite Corporation, Bala Cynwyd, PA

10 minutes (10:25 – 10:35)

BREAK – 10 Minutes

35 minutes (10:35 – 11:10)

REDUCING PFAS UPSTREAM THROUGH PARTNERSHIP AND POLICY

Tiffany Skogstrom, MPH, Director, Massachusetts Office of Technical Assistance, Executive Office of Energy and Environmental Affairs, and Executive Director of the Massachusetts Toxics Use Reduction Administrative Council. Boston, MA

35 minutes (11:10 – 11:45)

PRETREATMENT PERSPECTIVES FOR PFAS WATER TREATMENT

Ali Ling, PhD, PE, Environmental Engineer, Barr Engineering, Minneapolis, MN

35 minutes 11:45 – 12:20)

NEWLY APPROVED PFAS SAMPLING PROTOCOLS AND LABORATORY METHODS

Norm Farmer, PFAS Program Director and US Technical Director, SGS North America, Orlando, FL

(10 minutes) 12:20 – 12:30)

Final Q & A and webinar wrap-up

End of Webinar – Complete Required Continuing Education Documents

AMERICAN GROUND WATER TRUST

The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference, workshop and webinar programs and educational materials:



- ◆ Communicate the environmental and economic value of groundwater
- ◆ Showcase groundwater science and technology solutions
- ◆ Increase citizen, community and decision-maker awareness
- ◆ Facilitate stakeholder participation in water resource decisions
- ◆ Promote efficient and effective groundwater management

Managing PFAS at Source Webinar

Wednesday, October 20, 2021

Registration Form

Registration and payment can be made on-line at www.agwt.org/events
8:30am-12:30pm Eastern Standard Time

Registration \$100

PDF of Presentations \$30

Continuing Education (Check box if you are seeking Water or Wastewater Operator CE hours):

**Please send in separate registrations for each person participating in the webinar.
Instructions for webinar log-in will be sent on receipt of registration.**

Payment Information:

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Attendee Email* _____

*The CEU verification process requires that participants are able to receive e-mails during and after the webinar. For participants requiring CEUs, the e-mail address listed above has to be an e-mail that can receive messages during and after the webinar.

Position/ Job Title _____

Address _____

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REGISTER ONLINE:

agwt.org/events

MAIL TO:

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50 Pleasant Street, Suite 2
Concord, NH 03301-4073

FAX: (603) 228-6557

TEL: (603) 228-5444

? QUESTIONS:

(800) 423-7748

9:00-4:00pm (Eastern Time)

Register on-line at www.agwt.org/events