



PFAS: New England - Wednesday, September 18th

INFORMATION-EXCHANGE WORKSHOP

UPDATE ON THE STATUS OF INVESTIGATION, FINDINGS AND ACTION

New Hampshire, Massachusetts, Rhode Island, Connecticut, Vermont and Maine

Westford Regency Hotel, 219 Littleton Road, Route 110, Westford, MA 01886
Wednesday, September 18th (8:30am – 4:15pm)

“110 million Americans have some PFAS in their drinking water”

(Estimate from EWG—Environmental Work Group)

What about drinking water supply in the New England States?



SOLUTIONS TO LEGACY GROUNDWATER CONTAMINATION



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

Continuing Education

Applications pending review RI Health Dept. for Water Operators, State of CT for LEPs and Commonwealth of MA for LSPs
Approved by ME Board of Licensure of Water System Operators for ME Water Operators – Course #313-2019-AGW – 6.5 TCHs
Approved by VT DEC Drinking Water & Groundwater Protection Division for VT Water Operators – 6.5 TCHs
Approved by VT DEC Watershed Management Division for Wastewater Operator – 6.5 TCHs
Approved by NH DES Drinking Water & Groundwater Bureau for NH Water Works Operator – 6 TCHs
Approved by MA Board of Certification of Operators of Drinking Water Supply Facilities - Course ID #DWT-2019-47, 6.5 TCHs
Approved by CT Department of Public Health for VT Water Operators – Course #TDS-3-2109 – 6.5 TCHs

This American Ground Water Trust workshop program on PFAS and related compounds has been held in Cincinnati, OH, Grand Rapids, MI, Sacramento, Montclair, Fresno and Bakersfield, CA, Pittsburgh, PA, Mount Laurel, NJ, Phoenix, AZ and Albuquerque, NM



The New England states are all confronting PFAS contamination of groundwater and surface water. There are technical, regulatory and legal challenges for communities responding to this legacy groundwater contamination. Water providers are faced with an urgent need to deal with concerns about health issues, regulations, property values, remediation options and infrastructure costs.

The workshop program will provide objective information to facilitate water providers, elected officials, citizens and community leaders with policy, planning and management decisions.

Over 4,700 PFAS (per- and polyfluorinated alkyl substances) occur in the world today and many PFAS compounds transform into highly persistent perfluorinated chemicals in the environment. The compounds are connected to several cancers, liver, kidney and reproductive disorders and other health effects.

Workshop participants will learn about the chemistry background, sampling & testing protocols, treatment technologies, cost recovery options and the characteristics of environmental persistence of long-chain and short-chain chemicals in legacy PFAS compounds and some of their replacements, e.g., GenX and ADONA. Presenters will provide case studies of PFAS contamination in New England and will outline the latest technical solutions for treatment and remediation. The program will also discuss regulatory and legal solutions to protecting drinking water integrity and in finding funding to pay for treatment of contaminated groundwater.



Workshop Sponsors:



MORNING SESSION

7:30 – 8:30 REGISTRATION & LIGHT REFRESHMENTS ~ Sponsored by Evoqua Water Technologies, LLC

8:30 – 8:45
THE CHALLENGE OF COMMUNICATING WATER QUALITY SCIENCE AND “RISK” TO CITIZENS, COMMUNITIES AND DECISION-MAKERS

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

8:45 - 9:20
THE CHEMISTRY OF PFAS COMPOUNDS AND THE EXTENT OF THEIR USE THROUGHOUT THE US

Elizabeth Denly, Program Director – PFAS Group, TRC, Lowell, MA

9:20 – 9:55
AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

Stephen Zemba, PhD, PE, Project Director, Sanborn Head Associates, Concord, NH

9:55 – 10:30
TREATMENT AND REMEDIATION OPTIONS FOR PFAS CONTAMINATED WATER

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

10:30 – 11:00 BREAK Network with exhibitors and presenters

11:00 – 11:35
EVERYTHING YOU NEED TO KNOW ABOUT LABORATORY ANALYSIS FOR PFAS

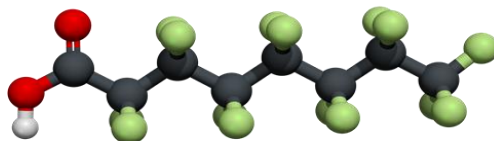
Jim Occhialini, VP, Alpha Analytical, Westborough, MA

11:35 – 12:10
“FOREVER COMPOUNDS” - PFAS AND WASTE - WHAT TO DO WITH IT NOW? (LANDFILLS? INCINERATION? WASTEWATER TREATMENT?)

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

12:10 – 1:20 LUNCH ~ Sponsored by Evoqua Water Technologies, LLC

Next page for afternoon session schedule



AFTERNOON SESSION

1:20 – 1:55

A LEGAL PERSPECTIVE ON PFAS: JURISDICTIONAL AUTHORITY AND COST RECOVERY OPTIONS

Michelle N. O'Brien, Esquire, Partner, Pierce Atwood LLP, Boston, MA

1:55 – 3:30

UPDATE ON THE STATUS OF INVESTIGATIONS AND ACTIONS RELATED TO CONTAMINATION FROM PFAS AND RELATED COMPOUNDS IN NEW ENGLAND

Panel Moderator: Richard Head, SL Environmental, San Francisco, CA and Concord, NH



Richard focuses his practice on complex environmental contamination litigation and works out of his Concord, NH office. Before joining SL Environmental, Richard was Associate Attorney General at the New Hampshire Department of Justice. He served as the Bureau Chief of the Environmental Protection Bureau and as a senior member of the legal team working on the New Hampshire MTBE litigation, including its three-month jury trial. Richard earned his B.A. from Clark University and his J.D. and M.S. in Environmental Science from Indiana University. Richard is admitted to practice in New Hampshire, Vermont, the United States District Court for the District of New Hampshire and the United States Court of Appeals for the First Circuit.

Issues and potential talking points:

- Are we at the beginning, middle or the end of the PFAS problem in New England?
- How are affected communities meeting the costs of clean-up and finding alternate water supply?
- How do PFAS issues rate in comparison with other drinking water quality challenges?
- How important is it to have clear federal EPA health-risk guidelines? When might that happen?
- How confusing is it for the public to have states setting different standards?

Panel:

Steve Roy, Drinking Water Source Protection Program, NH Dept. of Environmental Services, Concord, NH

Paul Locke, Assistant Commissioner, Bureau of Waste Site Cleanup, Mass DEP, Boston, MA

John Schmeltzer, VT DEC, Waste Management and Prevention Division, Montpelier, VT

Norm Labbe, PE, Public Drinking Water Professionals Representative, Maine Governor's PFAS Task Force and former Superintendent, Kennebunk, Kennebunkport and Wells Water District, Kennebunkport, ME

Greg Hladky, Reporter, Hartford Courant, Hartford, CT

3:30 – 4:05

RESEARCH FINDINGS RELATED TO ACTUAL AND POTENTIAL HEALTH IMPACTS FROM PER- AND POLYFLUORINATED COMPOUNDS

Philippe Grandjean, PhD, Adjunct Professor of Environmental Health, Department of Environmental Health, Harvard University, Boston, MA

4:05 – 4:15

FINAL Q & A AND CONTINUING EDUCATION SIGN-OUT

4:15 ADJOURN

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 and workshop 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