

# INFORMATION-EXCHANGE WORKSHOP

## SOLUTIONS TO LEGACY GROUNDWATER CONTAMINATION

### PFAS: Philadelphia - Wednesday March 6th

Wyndham Philadelphia/Mount Laurel Hotel, 1111 Route 73 North, Mount Laurel, NJ 08054

Note: The same PFAS workshop program will take place in Pittsburgh on Monday March 4<sup>th</sup>

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

(Estimate from EWG—Environmental Work Group)

**What about water supply in Pennsylvania, New Jersey and surrounding states?**



The American Ground Water Trust (AGWT) is a 501(c)(3) non-profit education organization  
See web-site for registration rates for students and employees of AGWT corporate members



This workshop program has been held in Cincinnati, OH, Grand Rapids, MI and in Sacramento and Montclair, CA.

#### Continuing Education

The AGWT will issue Certificates of Attendance:

Approved by PA DEP for Water Operators – ID #8085 & 8086, 2 Contact Hours

Approved by NJ DEP for Water Operators – Course Approval #99-021907-10, 6 Technical Water Credits

Approved by CT LEP Board for Licensed Environmental Professionals – Course #CTLEP-483, 6.5 CECs

Application submitted to NJ SRPL Board for approval for Licensed Site Remediation Professionals

Many states are 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.

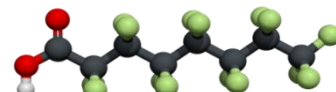
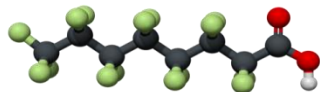


Over 4,700 PFAS (per- and polyfluorinated alkyl substances) occur in the world today and many PFAS compounds transform into highly persistent perfluorinated chemicals in the environment. The compounds are connected to several cancers, liver, kidney and reproductive disorders and other health effects.

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 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.



Join these event sponsors:



**Exhibit and sponsorship opportunities available – [www.agwt.org/events](http://www.agwt.org/events) or call 1-800 423 7748**  
**REGISTER NOW at [www.agwt.org/events](http://www.agwt.org/events) – SPACE FOR THIS TOP RATED WORKSHOP IS LIMITED.**

**PHILADELPHIA (MT.LAUREL, NJ) PFAS WORKSHOP PRESENTATION SCHEDULE**  
**Wednesday, March 6th**

**7:30 - 8:30**      **REGISTRATION** (coffee & pastries – Sponsored by Evoqua Water Technologies LLC)      (Network with exhibitors)

8:30 – 8:45  
THERE IS A LITTLE BIT OF SOMETHING IN EVERYTHING  
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  
Yasemin Kunukcu, PhD, PE, Senior Project Manager, TRC Companies, Inc., New Providence, NJ

9:20 – 9:55  
THE 2005 DUPONT CLASS ACTION SETTLEMENT IN WEST VIRGINIA WAS JUST THE START. THE MAGNITUDE OF THE LEGACY PFAS PROBLEM NATIONWIDE IS STILL BEING UNRAVELED  
Rob Bilott, JD, Attorney, Partner, Taft Law, Taft Stettinius & Hollister LLP, Cincinnati, OH

9:55 – 10:30  
STATE RESPONSE TO PFAS OCCURRENCES IN NEW JERSEY  
Sandra M. Goodrow, PhD., Research Scientist, NJ Dept. of Environmental Protection, Division of Science, Research, and Environmental Health, Trenton, NJ

**10:30 – 10:55**      **BREAK**      (Network with exhibitors)

10:55 – 11:30  
PFAS: WIDE-RANGING SOURCES AND IMPACTS TO WATER SUPPLIES  
Gregory Schnaar, PhD, PG, Principal Environmental Scientist, Daniel B. Stephens & Associates, Inc., Silver Spring, MD

11:30 – 12:05  
CARBON AND RESIN CASE STUDIES FOR PFAS REMOVAL FROM GROUNDWATER  
Caitlin M. Berretta, Business Development Manager - Environmental Solutions, Evoqua Water Technologies, Washington DC

**12:05 – 1:00**      **LUNCH** – Sponsored by Evoqua Water Technologies LLC

1:00 – 1:35  
AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION  
Stephen Zemba, PhD, PE, Project Director, Sanborn Head Associates, Concord, NH

1:35 – 2:10  
SHORT & LONG CHAIN PFAS REMOVAL WITH SINGLE-USE SELECTIVE ION EXCHANGE RESIN  
Francis Boodoo, Director of Applied Technologies, Purolite Corporation, Philadelphia, PA

2:10 – 2:45  
DESIGN AND OPERATION OF PFAS TREATMENT FACILITIES IN PENNSYLVANIA AND SURROUNDING STATES  
Eric Forrester, Applications Development Engineer, Calgon Carbon Corporation, Pittsburgh, PA

**2:45 – 3:00**      **BREAK**      (Network with exhibitors)

3:00 – 3:35  
SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS  
Richard Head, JD, Attorney, Of Counsel, SL Environmental Law Group PC, San Francisco, CA

3:35 – 4:10  
AFTER GROUNDWATER: THE NEXT FRONTIER ON PFAS CONTAMINATION  
Harry Behzadi, PhD, VP of Business Development North America, SGS, Rutherford, NJ

4:10 – 4:20      Wrap-up and final Q & A

**4:20**      **ADJOURN**



# Philadelphia, PA PFAS Workshop

## Wednesday, March 6, 2019

Wyndham Philadelphia-Mount Laurel Hotel, 1111 Route 73 North, Mount Laurel, NJ 08054

8:30am - 4:30pm

### WORKSHOP REGISTRATION: Register on-line at [www.agwt.org/events](http://www.agwt.org/events)

General Registration \$200   
AGWT Corp Member Employee \$175   
Full-time Student (ID required) \$ 80

PDF - Workshop presentations \$ 30   
(Attendee price)

Exhibit Table (registration required) \$250

**Event Sponsor:** \$1,000 and above sponsors have the option of an exhibit table  
(see website Exhibit & Sponsorship Information for more details).

\$2,000  \$1,000  \$500

Please indicate if you plan to exhibit: YES  NO

**TOTAL** \$ \_\_\_\_\_

Registration includes handouts, coffee break & lunch

### Payment Information:

CHECK [payable to: AGWT]  AMEX/VISA/MC/Discover  PO # \_\_\_\_\_

AMOUNT AUTHORIZED \$ \_\_\_\_\_

Name on Card \_\_\_\_\_

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Cardholder Email \_\_\_\_\_

Company Name \_\_\_\_\_

Attendee Name \_\_\_\_\_

Attendee Email \_\_\_\_\_

Position/ Job Title \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

**REGISTER ONLINE:**  
[agwt.org/events](http://agwt.org/events)

**MAIL TO:**  
American Ground Water Trust  
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)

