

INFORMATION-EXCHANGE WORKSHOP

SOLUTIONS TO LEGACY GROUNDWATER CONTAMINATION

PFAS: Pittsburgh - Monday March 4

Hilton Garden Inn Pittsburgh/Southpointe, 1000 Corporate Drive, Canonsburg, PA 15317

Note: The same PFAS workshop program will take place in Mt Laurel (Philadelphia) on Wednesday March 6th

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

(Estimate from EWG—Environmental Work Group)

What about 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 #8083 & 8084, 2 Contact Hours
Approved by WV DEP for Licensed Remediation Specialists – 6 Technical Water Credits

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:

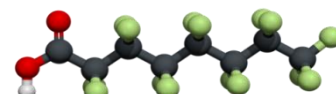
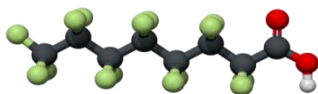


Exhibit and sponsorship opportunities available – www.agwt.org/events or call 1-800 423 7748
REGISTER NOW at www.agwt.org/events – SPACE FOR THIS TOP RATED WORKSHOP IS LIMITED.

PITTSBURGH PFAS WORKSHOP - PRESENTATION SCHEDULE
Monday, March 4th

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 – 9:25
PFAS: WIDE-RANGING SOURCES AND IMPACTS TO WATER SUPPLIES
Gregory Schnaar, PhD, PG, Principal Environmental Scientist, Daniel B. Stephens & Associates, Inc., Silver Spring, MD

9:25 – 10:05
CARBON AND RESIN CASE STUDIES FOR PFAS REMOVAL FROM GROUNDWATER
Caitlin M. Berretta, Business Development Manager - Environmental Solutions, Evoqua Water Technologies LLC

10:05 – 10:45
AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION
Stephen Zemba, PhD, PE, Project Director, Sanborn Head Associates, Concord, NH

10:45 – 11:05 BREAK (Network with exhibitors)

11:05 – 11:50
SHORT & LONG CHAIN PFAS REMOVAL WITH SINGLE-USE SELECTIVE ION EXCHANGE RESIN
Francis Boodoo, Director of Applied Technologies, Purolite Corporation, Philadelphia, PA

11:50 – 12:30
SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS
Richard Head, JD. Attorney, Of Counsel, SL Environmental Law Group PC, San Francisco, CA

12:30 – 1:30 LUNCH – Sponsored by Evoqua Water Technologies LLC

1:30 – 2:10
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, Attorney, Partner, Taft Law, Taft Stettinius & Hollister LLP, Cincinnati, OH

2:10 – 2:50
PILOT STUDY UPDATE: ENHANCED ATTENUATION OF PFAS AND VOCs IN GROUNDWATER USING ZVI AND PLUMESTOP
Jeffrey Holden, PE, Senior Engineer, GEI Consultants Inc. Ithaca, NY

2:50 – 3:05 BREAK (Network with exhibitors)

3:05 – 3:45
DESIGN AND OPERATION OF PFAS TREATMENT FACILITIES IN PENNSYLVANIA AND SURROUNDING STATES
Eric Forrester, Applications Development Engineer, Calgon Carbon Corporation, Pittsburgh, PA

3:45 – 4:25
AFTER GROUNDWATER: THE NEXT FRONTIER ON PFAS CONTAMINATION
Harry Behzadi, PhD, VP of Business Development North America, SGS, Rutherford, NJ

4:25 – 4:30 Wrap-up and final Q & A

4:30 ADJOURN



Pittsburgh, PA PFAS Workshop

Monday, March 4, 2019

Hilton Garden Inn Pittsburgh/Southpointe, 1000 Corporate Drive, Canonsburg, PA 15317

8:30am - 4:30pm

WORKSHOP REGISTRATION: Register on-line at www.agwt.org/events

General Registration \$200

AGWT Corp Member Employee \$175

Full-time Student (ID required) \$ 80

PDF - Workshop presentations (Attendee price) \$ 30

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 _____

Card No. _____ Expiration Date _____

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City _____ State _____ Zip _____

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REGISTER ONLINE:
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)

