

PERFLUOROchemicals

The whole PFCS suite of compounds (POFA, PFSA, etc.)

GROUNDWATER CONTAMINATION CONFERENCE

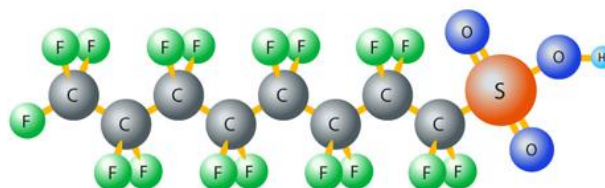
An educational information-exchange program from the American Ground Water Trust

Wednesday, September 13th, 2017 – Cincinnati, Ohio (9:00am to 4:00pm)

Rooms 5A, 5B and 5C (fifth floor): THE CINCINNATI BAR ASSOCIATION
225 East Sixth Street, Cincinnati, OH 45202



A 501(c)(3)
Education organization



What the program will discuss:

- Status and extent of groundwater contamination by PFCS in the USA
- Summary of latest research findings on health and environmental impacts
- Latest testing and treatment/removal technologies at residential and utility scale
- Legal basis for regulatory involvement/intervention when contamination is detected
- Economic impacts on impacted groundwater end-users: residential, utility and commercial
- Responsibility for determining remediation strategy and/or providing alternative drinking water
- Legal remedies for recovering costs by homeowners, groundwater users and local & state agencies

BACKGROUND:

The motivation for this workshop is the AGWT's education mission to provide objective information to facilitate groundwater management decisions. Emerging contaminants such as the suite of PFCS compounds represent challenges nationwide for dealing with legacy groundwater contamination. Well owners and water providers are faced with an urgent need to respond to concerns about health issues, property values, remediation options and infrastructure costs related to the occurrence of these potential carcinogenic chemicals.

The workshop will provide transparency in information with free exchange of legal, hydrological, regulatory and technical opinions. There are major challenges still to be resolved that are faced by individuals and communities, local and state agencies and potential responsible parties. A principal workshop objective is to assess the magnitude of the problem, the technology available to treat affected wells, the need for additional regulations and to determine effective ways to cover remediation and compensation costs for those affected by these industrial legacy issues.

PARTICIPATION:

It is anticipated that workshop attendance will be from representatives of potential responsible parties, well owners, environmental organizations, property transaction specialists, health officials, groundwater industry professionals, water supply engineers and agencies and organizations with regulatory authority at city, county, state, and federal level. The event is of particular relevance to water utility managers and their board members in areas affected (or potentially affected) by perfluorochemical contamination.

FORMAT:

The workshop will be strictly conducted in a non-confrontational and non-commercial information-exchange format. Presenters include scientists, water providers, water regulators, attorneys, and equipment manufacturers. Following each presentation there will be time for Q&A among all participants.

PRESENTERS:

All presenters have been asked to provide information, advice, guidance and insight in an inclusive, generic and non-commercial information-exchange format.



7:30 – 8:30 REGISTRATION (Coffee & donuts)

8:30 - 8:40 WELCOME

Alexander Leff, Attorney, Co-Founder, SL Environmental Law Group PC, San Francisco, CA

8:40 – 8:50 PROGRAM OBJECTIVES: WE CAN'T AFFORD TO LOSE OUR INVENTORY OF GROUNDWATER RESOURCES

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

8:50 - 9:20 NATIONAL REGULATORY UPDATES-WHAT'S HAPPENING IN WASHINGTON?

Joan Leary Matthews, Senior Attorney, Water Program, Natural Resources Defense Council, New York, NY

9:20 - 9:50 HEALTH EFFECTS OF POLYFLUOROALKYL COMPOUNDS

Dr. Susan Pinney, Professor, Department of Environmental Health, University of Cincinnati, Cincinnati, OH

9:50 - 10:20 CITY OF DAYTON'S APPROACH TO POSSIBLE PFC CONTAMINATIONS

Keshia L. Kinney, Acting Division Manager, Department of Water, City of Dayton, Dayton, OH

10:20 – 10:35 BREAK (Refreshments)

10:35 – 11:05 MANAGING GROUNDWATER BASINS TO MONITOR AND PREVENT CONTAMINATION

Bruce Whitteberry, Assistant Superintendent, Greater Cincinnati Water Works, Cincinnati, OH

11:05 - 11:35 CONTAMINATION OCCURRENCES RELATED TO PFCS MANUFACTURING PLANTS

Rob Bilott, Attorney, Partner, Taft Law, Taft Stettinius & Hollister LLP, Cincinnati, OH

11:35 - 12:05 LEGAL CONTAMINATION CONTROVERSIES TODAY ARE TRIED IN THE COURT OF PUBLIC OPINION

Bruce Hennes, Crisis Communications Specialist, Managing Partner, Hennes Communications, Cleveland, OH

12:05 – 1:00 LUNCH (provided)

1:00 – 1:30 SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS

Richard Head, Attorney, Of Counsel, SL Environmental Law Group PC, San Francisco, CA

1:30 – 3:30 TECHNICAL SESSION PROGRAM MODERATOR

Dr. Sarah Page, Emerging Contaminants and Regulatory Issues Discipline Lead, Arcadis U.S., Inc., Minneapolis, MN

1:30 – 2:00 AIR EMISSIONS/DEPOSITION AS A POTENTIAL PATHWAY TO GROUNDWATER CONTAMINATION

Dr. Stephen Zemba, Project Director, Sanborn Head Associates, Concord, NH

2:00 – 2:30 TESTING METHODS FOR GROUNDWATER IMPACTED BY PFAS AND ASSOCIATED COMPOUNDS

Dr. Christopher Impellitteri, Director, EPA, Safe and Sustainable Water Resources Program, Cincinnati, OH

2:30 – 3:00 PERFLUORINATED COMPOUNDS (PFCS OR PFAS) REMOVAL FROM GROUNDWATER

Catherine Swanson, Business Development Manager, Evoqua Water Technologies, Fullerton, CA

3:00 – 3:30 TREATMENT/REMEDICATION OF PFAS CONTAMINATED GROUNDWATER

Ralph Franco, PE, Director Municipal Products, Calgon Carbon Corporation, Pittsburgh, PA

3:30 – 3:45 WRAP-UP – FINAL Q&A

3:45 ADJOURN

AMERICAN GROUND WATER TRUST (Non-profit education organization)

Groundwater Information, Awareness & Education Since 1986..... This is what we do:



- ~ Promote efficient and effective groundwater management
- ~ 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



Professional background of the presentation team. Listed in presentation order.

Alexander Leff, Attorney, Co-Founder, SL Environmental Law Group PC, San Francisco, CA



Alexander Leff founded SL Environmental in 2003. Under his leadership, the company has recovered over a billion dollars in settlements and judgments for its clients. Alexander graduated from Stanford University with degrees with honors in both Economics and Human Biology. He received his J.D. from Yale Law School. After graduating from law school, he joined McKinsey & Company, an international management consulting firm, where his clients included a number of Fortune 100 companies. Before founding SL, Alexander was a consultant to a number of leading for-profit and non-profit enterprises on issues of strategy, negotiation, and conflict resolution.

Alexander's business experience, coupled with his legal training, enables him to play an important role in managing the staffing and financing challenges inherent in complex contingency litigation. His background as a former management consultant provides unique insights that he utilizes in crafting settlement strategies with large corporate defendants.

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



Andrew Stone completed post-graduate studies in hydrogeology at University College, London. Between 1974 and 1989 he was involved in groundwater research and lecturing at Rhodes University, South Africa. Since 1989 he has worked in the United States as a private-sector groundwater consultant, as adjunct professor (teaching groundwater protection policy at Antioch New England University), and as groundwater educator, advocate and outreach specialist. His work with the AGWT has involved convening over 250 "information-exchange" conferences and workshops focused on groundwater issues. He has organized over 70 "Groundwater Institutes" that have trained 2,000 science teachers and educators on water resources issues. He is a recipient of the National Ground Water Association "Oliver Award" for his work in promoting groundwater education.

Joan Leary Matthews, Senior Attorney, Water Program, Natural Resources Defense Council, New York, NY



As the head of the Urban Water Management team, Joan Leary Matthews oversees NRDC's urban water, green infrastructure, and water-efficiency efforts, with an increasing emphasis on integrated water management. Matthews most recently served as the director of the Clean Water Division for the U.S. Environmental Protection Agency's Region 2, where she directed the Clean Water Act, Safe Drinking Water Act, and other programs for New York, New Jersey, eight Indian Nations, Puerto Rico, and the U.S. Virgin Islands.

Prior to that, she was an associate commissioner for the New York State Department of Environmental Conservation in the Office of Hearings and Mediation Services. She also served for many years as a law professor at Albany Law School and as an assistant attorney general in New York. As an AAG, Matthews led the litigation team that successfully defended the state's adoption of California's low-emission vehicle standards against automobile manufacturers, paving the way for other states' adoption of those critical standards. She holds a bachelor's in government and politics from the University of Maryland and a J.D. from Albany Law School

Dr. Susan Pinney, PhD, Professor, Department of Environmental Health, UC College of Medicine, Cincinnati, OH



Dr. Susan M. Pinney received her PhD from the University of Cincinnati and is a professor of Epidemiology at UC. She conducts a variety of large molecular epidemiology studies, with research focused on the genetic epidemiology of lung cancer, environmental factors that influence the age at pubertal milestones, and health effects of uranium exposure. Since 1990 she has been the Research Director of the Fernald Community Cohort with data and biospecimens collected over 18 years which have been used for over 20 research studies. Dr. Pinney is the Deputy Director of the Center for Environmental Genetics and a Program Leader of the Cincinnati Cancer Center.

Keshia L. Kinney, Acting Division Manager, Department of Water, City of Dayton, Dayton, OH



Keshia is currently a Water Treatment Technical Supervisor and previously worked as a Wet Chemist/Bacteriologist, City of Dayton. Prior to joining the City's Department of water in 2005 she was a Lab Manager at the University of Cincinnati. Her qualifications include a M.S. in Pharmacology and Toxicology and a B.S. Environmental Health Sciences from Wright State University.

Bruce Whitteberry, Assistant Superintendent, Greater Cincinnati Water Works, Cincinnati, OH



Bruce currently serves as an Assistant Superintendent within the Water Quality & Treatment Division for Greater Cincinnati Water Works. He oversees source water protection and treatment processes for both of GCWW's treatment plants which serve about 1.1 million people in the Greater Cincinnati Region. Bruce holds a Class IV water operator's license in Ohio and a Professional Geologist Certification. He has worked at Greater Cincinnati Water Works for the past 19 years overseeing their source water protection programs, ground water research and monitoring programs, and treatment activities. Prior to joining GCWW, Bruce worked in the private consulting field as a hydrogeologist. He holds a Master of Science in hydrogeology from Wright State University and a Bachelor of Science in geology from Olivet Nazarene University.

Rob Bilott, Partner, Taft Law, Taft Stettinius & Hollister LLP, Cincinnati, OH



Robert is a partner in Taft's Environmental, Litigation, and Product Liability and Personal Injury groups. For more than 26 years, Rob has handled environmental issues of regulatory compliance, permitting and corporate/real estate transactions. Involving hazardous, solid, medical and infectious wastes, emerging and unregulated chemicals, perfluorochemicals, asbestos, and PCBs. Rob has handled all phases of the litigation process, from initial investigation and discovery through motion practice, fact and expert witness development and depositions, trial work, appellate briefing and argument, and informal resolutions.

Rob serves as co-lead counsel of the Plaintiff's Steering Committee in ongoing multi-district litigation involving claims of thousands of individuals with serious disease claims (including two types of cancer) attributable to their exposure PFOA ("C8") released into their drinking water by DuPont. He is a former chair of the Cincinnati Bar Association's Environmental Law Committee. He is a member of the Cincinnati Academy of Leadership for Lawyers. He has a Juris Doctor degree from the Ohio State University College of Law.

Bruce Hennes, Managing Partner, Hennes Communications, Cleveland, OH



Hennes Communications is one of the few firms in the U.S. focused exclusively on crisis management and crisis communications. Hennes Communications serves government agencies, corporations, education, nonprofit and healthcare institutions, as well as law firms and their clients, that are "on trial" in the Court of Public Opinion. With over 30 years' experience in communications, Bruce and the firm's past and present clients include the 2016 Cleveland Host Committee for last year's Republican National Convention, Avery Dennison, Lubrizol, NASA, ThyssenKrupp and scores of law firms and municipalities across the U.S. Bruce is an adjunct professor at Cleveland State University and he serves on the executive committee of the Cleveland Metropolitan Bar Association and on the board of the Cleveland Leadership Center.

Richard Head, Of Counsel, SL Environmental Law Group PC, San Francisco, CA



Richard focuses his practice on complex environmental contamination litigation. Before joining SL Environmental, Richard was Associate Attorney General at the New Hampshire Department of Justice. He argued more than 15 cases before the New Hampshire Supreme Court and frequently testified before the New Hampshire Legislature. 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, the United States District Court for the District of New Hampshire, and the United States Court of Appeals for the First Circuit.

Dr. Sarah Page, Arcadis U.S., Inc., Minneapolis, MN



As the Drinking Water Emerging Contaminants and Regulatory Issues discipline lead for Arcadis US, Sarah has expertise in nitrosamines and biofiltration, harmful algal blooms, corrosion control, lead service line replacement programs, and drinking water treatment process optimization.

Sarah has a B.S. in Corporate Environmental Management from the Carlson School of Business at the University of Minnesota, and a PhD in Environmental Biogeochemistry from the University of Minnesota.

Dr. Stephen Zemba, Project Director, Sanborn Head Associates, Concord, NH



Stephen Zemba, Ph.D., P.E., is a Project Director At Sanborn, Head & Associates. He has consulted in the field of risk assessment for 27 years. He has a BS, Mechanical Engineering from Carnegie Mellon University, and MS and PhD, Mechanical Engineering from the Massachusetts Institute of Technology. His particular areas of expertise include: Exposure and Health Risk Assessment, Air Quality Modeling and Data Analysis, Fate and Transport Modeling and Multi-Disciplinary Contaminant Studies. Recent work has focused on the environmental sources of Perfluorinated Alkylated Substances (PFAS) their properties, and exposure pathways. Stephen also teaches courses on air quality at Tufts and U-Mass Lowell.

Dr. Christopher Impellitteri, Director, EPA, Safe and Sustainable Water Resources Program, Cincinnati, OH



Chris serves as the Associate National Program Director for EPA Office of Research and Development's Safe and Sustainable Water Resources Research Program. He leads EPA research on water systems that focuses on comprehensive water management in support of EPA's Program and Regional Offices and State partners for protecting water resources. His earliest scientific work was as analytical technician in the Pesticide Residue Analysis Lab at Virginia Tech. His past research has focused mainly on the fate, transport, and bioavailability of contaminants in soils sediments, and water. He is currently working on research involving the fate and transport of contaminants in hydraulic fracturing wastewater and the formation of brominated disinfection by-products in drinking water treatment plants. He received his BA in Biology from Virginia Polytechnic Institute and State University, MS in Geology from the Old Dominion University and PhD in Civil and Environmental Engineering from the University of Delaware.

Catherine Swanson, Business Development Manager, Evoqua Water Technologies, Fullerton, CA



Catherine is a Chemical engineer with water treatment background. She has worked in facility engineering, technical service, marketing, sales, and business development. Her current focus is on increasing business in the Environmental Solutions market for groundwater remediation and NPDES discharge. She is a technical resource for granular activated carbon, perchlorate, nitrate, uranium, and chrome VI treatments. As a sales engineer for Evoqua she was responsible for groundwater remediation of inorganics like perchlorate, nitrate, chrome VI and uranium for the Western Region of the US. Previous employment in the field of chemistry and water treatment has been with Airliquide, GS Polymers and Dow Corning. Catherine has a BS in chemical engineering from Northwestern University.

Ralph Franco, PE, Director Municipal Products, Calgon Carbon Corporation, Pittsburgh, PA



Ralph Franco is a licensed Professional Environmental Engineer with a BS in Chemical Engineering from Pennsylvania State University. He also holds an MBA and has over 26 years of water and wastewater experience in both the industrial and municipal market segments. His technical background and experience includes membrane filtration in both low and high pressure membrane filtration. In addition to water filtration he also has experience in process fluid filtration/separation and water and waste water treatment for both the industrial and municipal applications. His specialties include: Water and Wastewater Treatment; Ion Exchange Technologies; Ultraviolet Disinfection; Membrane Filtration and Activated Carbon applications in water treatment.