

## PRESENTER PROFESSIONAL BACKGROUND

### Great Lakes - Managing PFAS at Source Webinar – March 23, 2022

#### **Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH (Webinar Moderator)**



Andrew Stone completed post-graduate studies in hydrogeology at University College, London. For 13 years 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.

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



AnnieLu is the National Technical and Sales Lead for the Emerging Contaminant and Water Treatment Program for the Clean Harbors Environmental Services group. She brings her 25 years of experience in the environmental laboratory and remediation fields to assist clients in interpreting their analytical results to evaluate their options for treatment utilizing varied medias and pre-treatment equipment to achieve project objectives. Having worked as a GC/MS and also most recently as a LC-MS/MS chemist for PFAS compounds she believes in the importance of evaluating the project as a whole, from suggesting the most valuable testing methods at the beginning of the project that help determine the best treatment trains and medias for complex waste streams to informing clients on their options for final deposition of their spent media. AnnieLu holds a BS in Chemistry-Geology from Bridgewater State University.

#### **Bharat Chandramouli, PhD, Product Manager and Senior Scientist, SGS AXYS Analytical Services Ltd., Sidney, BC, Canada**



Bharat Chandramouli is a senior scientist with 20+ years of experience in the occurrence, fate and transport of persistent organic pollutants and contaminants of emerging concern. He is a published author on several peer-review articles and book chapters on atmospheric chemistry, PFAS measurement, PPCP occurrence and more. At SGS AXYS, Bharat Chandramouli provides technical leadership on analytical methods and coordinates between product development, sales, management and clients to ensure that SGS AXYS services meets everyone's needs. He earned his PhD in Environmental Science and Public Health from the University of North Carolina, Chapel Hill, Masters in Environmental science and engineering from the Indian Institute of Technology, Mumbai, India and Bachelor's in Metallurgical Engineering from the Indian Institute of Technology, Chennai, India.

#### **Catherine Swanson, Groundwater Remediation Specialist, Purolite Corporation, 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. Prior to joining Purolite, she was a sales engineer for Evoqua with responsibilities 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. She has a BS in chemical engineering from Northwestern University.

#### **Nick Backman, Midwest Technical Sales Specialist, Purolite Corporation, Neenah, WI**



Nick has worked as the Midwest Technical Sales Specialist for Purolite for over 4 years. Prior to this, he was employed by Clearbrook, Inc. as a National Technical Sales Representative/Business Manager. Nick earned his Bachelor's Degree in Chemistry, Biology from the University of Wisconsin-Oshkosh.

#### **Carla Davidson, Regional IPP PFAS Specialist, Michigan Department of Environment, Great Lakes and Energy**



Carla has worked for the Michigan Department of Environment, Great Lakes, and Energy (EGLE) on surface water quality issues for 25 years. She has been working on PFAS issues associated with the Industrial Pretreatment Program (IPP) on a regional basis for over 4 years, with focus on metal finishers as a PFAS source. She previously conducted compliance activities under the National Pollutant Discharge Elimination System (NPDES), including oversight of the IPP for the Lansing District Office. She holds Master of Science and undergraduate degrees from the University of Michigan.

#### **Anne Tavalire, Regional Pretreatment Program Specialist, Michigan Dept of EGLE, Water Resources Division, Emerging Pollutants Section, Warren, MI**



Anne Tavalire has worked for the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Water Resources Division for 10 years. She has been working on PFAS issues associated with the Industrial Pretreatment Program (IPP) on a regional basis for over 4 years, with a focus on landfills as a PFAS source. Prior to her work with PFAS, Anne handled National Pollutant Discharge Elimination System (NPDES) compliance and enforcement for municipal wastewater treatment plants in Southeast Michigan, including oversight of the IPP. Anne holds a B.S. in Environmental Science from Bowling Green State University; and a M.S. in Environmental Policy from the University of Michigan.

**Becca Vermace, Environmental Engineer, Barr Engineering, Minneapolis, MN**



Becca Vermace is an Environmental Engineer in Barr's Water and Wastewater Engineering Group. Since joining Barr in 2018, Becca has worked for industrial and municipal clients on feasibility studies, system design, and system retrofits to help them comply with their permit limits and achieve water quality goals. Many of her projects have been for clients trying to remove per- and polyfluoroalkyl substances (PFAS) from drinking water, wastewater, or stormwater. Becca has a B.S. in Bioproducts and Biosystems Engineering from the University of Minnesota and an M.S. in Environmental Engineering from the University of Iowa.

**Andy McCabe, PhD, Environmental Engineer, Barr Engineering, Minneapolis, MN**



Andy McCabe has worked at Barr since 2018 as an environmental engineer in their water/wastewater engineering group. His primary practice areas are in physical and chemical water and wastewater treatment, with focuses on treatment of PFAS, trace metals, and nutrients. Andy earned his BS in biochemistry from the University of Minnesota-Duluth and his PhD in civil engineering from the University of Minnesota-Twin Cities.

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



Nathan Hagelin is Vice President and the Director of Woods Global Technical Expert Network. He is the remediation technology leader in Wood's Emerging Contaminants Work Group. Nathan is a Certified Geologist, Licensed Environmental Professional, and Board-Certified Environmental Scientist working for 30+ years on the remediation of contaminated industrial properties and military installations. He has prior experience as a Hydrologist with the U.S. Geological Survey Water Resource Division. Nathan earned a BS in Geology from the University of Connecticut and MS in Geology from City College of New York.