ASME/ISA LI Sections & NYSSPE Technical Meeting and Seminar

Groundwater Remediation Technology for Emerging Contaminants

Jeff Burdick – Arcadis Philadelphia

Wednesday, Jan 16, 2019

Hofstra University
Breslin Hall Room 111
Hempstead, NY 11549

6:00 PM	Sign-In and Refreshments
6:30-8:30 PM	Presentation

Cost: Attendance is free of charge for all attendees, and includes light refreshments. There is, however, a cost if you wish to obtain PDH credits. See next.

PDH Credits: NYSSPE-LI has approved this seminar for two Professional Development Hour (PDH) credits. NYSSPE-LI will issue a two-credit certificate to attendees who pay a processing fee of $40. Please let us know when you register that you wish to receive the PDH credits and bring a check, made out to ASME Long Island Section, to the seminar.

Registration: Please register by contacting Jerry Nardiello jerry.nardiello@ngc.com. Please provide your name, daytime phone number, company and society affiliation.

Map/Directions: https://www.hofstra.edu/visitors/visitors_info_dirmaps.html

Program Description

- Describe the basic chemistry (and challenges) associated with perfluoroalkyl substances (PFAS), 1,4 dioxane, and radium.
- Identify common sources of these constituents, and understand State vs Federal regulatory landscape.
- Describe a typical groundwater remedial approach for each of these three constituents
  - What are the driving considerations in technical remedy selection and strategy?
  - Where can we optimize?
- Identify and understand areas of innovation and technology development.
- Mythbusting: develop awareness regarding spurious claims/marketing by vendors/suppliers.
- Discussion, questions and answers.

About the Speaker –Jeff Burdick is a hydrogeologist and Sr. Vice President with Arcadis in Philadelphia. He is the global director for site evaluation and remediation and also serves as the North American lead for Arcadis' PFAS platform. Jeff holds a BS in geology and a MS in hydrogeology/Geochemistry and has been with the firm for 25 years.

Jeff's experience as a leader in Arcadis' technical and industrial market sector included a 7 year assignment in Belgium/the Netherlands where he was the Technical Director for Arcadis European operations. During this time, Arcadis began working on several PFAS driven projects in the UK and Europe (2004). These projects included some of the earliest risk assessments, investigations and remediation efforts directed at PFAS targets. To support these projects, Arcadis began research and development initiatives in collaboration with several UK and Dutch universities. This research has focused on PFAS analytical methods, evaluating alternative adsorption media, and other techniques that either sequester, stabilize or destroy PFAS. Arcadis global PFAS team is comprised of approximately 55 environmental professionals who currently support approximately 250 PFAS projects in 13 countries. These projects include both US and foreign military bases, airports, aqueous film forming foam (AFFF) and PFAS manufacturing facilities and testing centers, and also public landfills and water utilities.