NAC-SETAC Webinar – PFAS Updates

What's New in the PFAS World? Updates from Experts in the Field

WEDNESDAY, FEBRUARY 10, 2021

12:00 – 1:30 PM

PRESENTATIONS WILL INCLUDE:

1. Chemistry – The Evolving Landscape of PFAS Analysis (Jon Thorn, Lab Director, Battelle)
    a. Changing methods, method quality objectives, and target analyte lists.
    b. Issues related to complex sample matrices, background sources of PFAS contamination.
    c. Availability of published methodology and suitability of methods.

2. Human Health – Derivation of Drinking Water Standards (Robyn Prueitt, Gradient Corporation)
    a. Drinking water standards and their derivation.
    b. Brief comment on new research areas that could change PFAS human health risk assessment in the future, such as additivity, extrapolation factors.

3. Ecological Risk Assessment – Overview (Amy Rosenstein, US Army Corps of Engineers)
    a. Governmental work groups
    b. Conferences and workshops: Overview of SETAC PFAS conference (Summer, 2019).
    c. Basic research: toxicity, bioaccumulation, background/reference
    d. Applied ecological risk assessment.

4. Regulatory Trends – Report from the ITRC PFAS Team (Linda Hall, GSI, toxicologist and co-leader of the Regulations, Toxicity and Risk Assessment subgroup of the ITRC PFAS Team)
    a. Regulatory Trends – New and Noteworthy
        i. Federal Actions: UCMR5, CERCLA, MCLs, USEPA Toxicity Assessments.
        ii. State Actions: California's unique regulatory strategies (example: regulation of select PFAS-containing consumer product categories as a class. PFOS in drinking water regulated as a carcinogen.). MCLs, AFFF, Surface Water Criteria, Fish Consumption Advisories.
    b. ITRC PFAS Resources – Regulations and Beyond
        i. Water and Soil Regulatory Value Tables (State, federal, international. Updated ~ monthly).
        ii. Regulatory Programs Table (new, to be released in Q2).
        iii. Technical Regulatory Document (Expansive scope. Released in 2019, updated Sept 2020; additional updates in 2021).

Bios

Jonathan Thorn is the Laboratory Director at Battelle. As the Laboratory Director and Manager of Battelle's Analytical Chemistry Services group, he oversees laboratory operations, and works to advance the science of petroleum forensics, trace level organic contaminants, and other specialty analytical services. He has been with Battelle for over 25 years, with the major focus for the last four years being PFAS analytical.

Robyn Prueitt is a Senior Toxicologist at Gradient Corporation, an environmental and risk sciences consulting firm. She is board certified in toxicology and has expertise in molecular toxicology, carcinogenesis, and human health risk assessment. She routinely evaluates human health hazards and risks of a variety of substances, including air pollutants, metals, and industrial chemicals such as PFAS.

Amy Rosenstein serves as a technical authority in human health and ecological risk assessments for the U.S. Army Corps of Engineers New England District for hazardous waste site investigations, for proposed or currently operating facilities, and for emergency response. She performs risk assessments and interacts with stakeholders, providing key project input and ensuring compliance with risk assessment guidelines and regulations. She also participates in risk communication, presenting risk assessment approaches and results to both technical and non-technical audiences.

Dr. Linda Hall is a Senior Associate Toxicologist with GSI Environmental Inc. based in Oakland, California. For the last 5 years her practice has focused heavily on PFAS; she has worked as a technical expert on a number of PFAS litigations that have evaluated impacts from PFAS releases to the environment. Dr. Hall is in her 4th year as co-lead of the Interstate Technology Regulatory Group (ITRC) group on Regulations, Toxicity, and Risk Assessment of PFAS. The ITRC group tracks and develops fact sheets, tables, and guidance on regulations, human and ecological effects, and risk assessment of PFAS.