

# ASDWA Webinar: Minnesota PFAS Actions - Investigation, Response, and Lessons Learned

**Date: Wednesday, May 29, 2019**

**Time: 2:00 pm to 3:30 pm (eastern time)**

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**Description:** This free webinar will provide information about the State of Minnesota's efforts to assess and address per- and polyfluoroalkyl Substances (PFAS). Speaker presentation topics will include understanding PFAS fate and transport and drinking water health risks; evaluating potential PFAS sources and managing and mitigating impacts; investigating and responding to PFAS releases from disposal sites as part of the 3M lawsuit settlement; and sharing lessons learned. State, territory, and EPA water program personnel are encouraged to attend, along with anyone else that would like to participate.

## **Webinar agenda:**

- **PFAS Fate & Transport, Health Risks, and Responses for Drinking Water – Lessons Learned in Minnesota:** *Ginny Yingling, Senior Hydrogeologist, Environmental Health Division, Minnesota Department of Health* will share information about the state of Minnesota's efforts to investigate PFAS contaminated groundwater since 2002, that has impacted the drinking water supply of 13 communities, including public and private wells. Drawing on that experience, this presentation will provide a quick introduction to PFAS, their unique behavior in the environment, the current understanding of the health risks some PFAS may pose, and what can be done to address PFAS in drinking water.
- **State PFAS Protocol:** *Shalene Thomas, Wood's Global Emerging Contaminant Program Manager and Corporate PFAS Work Group Lead* will outline the approach taken by the Minnesota Department of Health (MDH) and the Minnesota Pollution Control Agency (MPCA) for evaluating potential PFAS sources and managing and mitigating impacts to human health and the environment; share the results and lessons learned from process development and initial pilot study; and discuss the next steps in the program. This programmatic approach can also be modified and applied to other sectors to identify/mitigate unacceptable exposures and establish and proactively manage PFAS and other emerging contaminants across a given set of assets. Lessons learned and pros and cons of the protocol process will also be discussed.
- **MPCA Response to PFAS Impacts in the Twin Cities East Metro Area:** *Gary Krueger, Minnesota Pollution Control Agency, Superfund Program* will provide information about the MPCA and MDH efforts to investigate and respond to PFAS impacts in the East Metro area of the Twin Cities. These releases were from three 3M waste disposal locations in Cottage Grove, Woodbury and Oakdale, and from the Washington County landfill in Lake Elmo. In 2007, the MPCA and 3M entered into a Consent Order to address PFAS releases from the 3M disposal sites. In 2018, the State of Minnesota and 3M reached a settlement agreement in a Natural Resources Damage Assessment (NRDA) lawsuit that was originally filled by the State against 3M in 2010. This presentation will provide the background to the 2007 Consent Order and components of the 2018 NRDA Settlement Agreement.

**Speaker Biographies** (next page)

## Webinar Speakers



**Ginny Yingling** is a Senior Hydrogeologist in the Environmental Health Division of the Minnesota Department of Health. Since 2003, she has been the agency's lead investigator of PFAS. She has over 25 years of experience working on contaminated sites as an environmental consultant, then at the Minnesota Pollution Control Agency, before moving to the Department of Health in 2000. Ginny is also the co-chair of the Interstate Technology and Regulatory Council's PFAS Team, a group of over 400 environmental professionals drawn from state and federal agencies, academia, industry, consulting, and public interest groups. She holds a BS from Penn State, and a MS from the University of Wyoming, both in geology.



**Shalene Thomas** is Wood's Global Emerging Contaminant Program Manager and Corporate PFAS Work Group Lead. She has more than 20 years of experience in environmental consulting, including more than 11 years of experience supporting government and industrial clients with PFAS. She has served as a technical advisor for more than 100 PFAS project locations in the US, Australia, Canada and Europe.



**Gary Krueger** works for the Minnesota Pollution Control Agency (MPCA) Superfund Program. His current role is Supervisor of the East Metro Unit in the Remediation Division with primary responsibility for overseeing remedial actions at the 3M PFAS disposal sites in Washington County and implementing actions authorized under the 2007 Consent Order and 2018 Settlement between 3M and the State of Minnesota. Gary has worked for the MPCA since 1990, first as a Project Manager in the Agency's Superfund Program, and then from 2013-2018 as the Supervisor of the Agency's Brownfield Program. Gary graduated from the University of Wisconsin – Madison with a BS in Natural Resources and is a licensed Professional Soil Scientist in Minnesota.