

**2021 ASTSWMO Mid-Year Meeting
Tanks Subcommittee Webinar
April 27, 2021**

Speaker Bios and Abstracts

Containment Sump Repairs, 1:00 – 2:00 PM EDT

As more States and Territories reach their implementation dates, with many seeing a high rate of sump testing failures, there is a need for quality repair options and procedures. While certainly offering some level of assurance of product performance, no testing regimen can fully account for installation workmanship or guarantee the performance of products after long term exposure in actual field conditions. This session will discuss some of the options that are out there and what some States require for repair to sumps. Issues dealing with used sump test water will also be discussed.

- **Russ Brauksieck, US EPA OUST**, has recently joined EPA's Office of Underground Storage Tanks after he retired from New York State where he had been involved with the tanks program for over 35 years. Russ is a professional engineer with a bachelor's degree in chemical engineering.

This presentation will provide an introduction to EPA's requirements for testing of containment sumps, information on the disposal of water used for containment sump testing and the requirements for the repair of containment sumps.

- **Mike Hollis, New Jersey DEP**, is Chief of the Bureau of UST Compliance and Enforcement for the NJDEP. He has been with the Department for 17 years, and has been dealing with UST systems for over 20 years. Mike has a BS in Environmental Policy from Rutgers University, and also serves as the Vice-Chair of ASTSWMO's UST Release Prevention Task Force, as well as a member of the NWGLDE.:

This presentation will cover NJ's experience with the 2018 deadline (and beyond) for secondary containment testing and repairs. NJ's UST inspection program also licenses and conducts enforcement on contractors, which has made our experience with the enforcement of the new rule provisions somewhat unique, and has also caused us to revisit our licensing regulation to hopefully avoid a repeat of the contractor shortage that happened at the end of 2018. Issues of testing, repairs, compatibility, and sump test water will also be discussed.

- **Joe Godwin, New Mexico ED**, started his environmental career working for the Florida Department of Environmental Protection as a Lab Tech after graduating from Florida State University in 1993 with a degree in biological sciences. In 1996, he moved up to a position within the Compliance Verification Program within Petroleum Storage Systems Bureau with Florida DEP. In 2001, he made a jump and took a field inspector position with the New Mexico Petroleum Storage Tank Bureau in Las Cruces, New Mexico. In 2012, he became the supervisor for the southern district for the Prevention Inspection Program and then in 2017, he accepted the program manager position for the Prevention Inspection Program in Santa Fe, New Mexico.: A brief description of NM's certified installer program for UST systems.

The presentation will contain a brief description of the two classes of certified installer and the education, training, and experience they need to have in order to get their certification. What certified installers need to demonstrate as far as educate or training when they install new storage tank systems. Also, the presentation will briefly cover the qualifications that

contractors, who perform testing regulated storage tank systems in New Mexico, will need to have in order to meet regulatory requirements.

- **Suzanne Halter, Delaware DNREC**, is an Environmental Scientist IV for the Delaware DNREC Tanks Compliance Branch. She is a CHMM, a STI certified CP Tester and has been with DNREC for 28 years. She was involved in the development and implementation of Delaware's Vapor Recovery Program and in 2008 she created Delaware's first UST Compliance Assistance Manual, which is tailored to each facility's compliance requirements to help them prevent releases. She deals with all aspects of USTs (installation to closure) and more recently AST's. Suzanne has an A.A.S. in Electrical Engineering/Process Instrumentation and a B.S. in Animal Science from the U of D. Currently she is a member of ASTSWMO's UST Release Prevention Task Force.

This presentation will be an overview of DE's UST Contractor Certification Program. DE's Tanks Compliance Branch is tasked with the certification and enforcement of contractors who perform installation, retrofit and closure of USTs in Delaware.

Unintended Consequences of Petroleum Remediation, 2:30 – 3:30 PM EDT

Remedial technologies are used in every State to address contamination, but are there consequences to remediation? This session will focus on sites where a remedial technology was implemented to clean up the petroleum contamination, but other unintended contamination resulted from the remediation.

- **Joe Cunningham, PE, Rhode Island DEM**, started his career at the University of New Hampshire, where he earned a BS in Environmental Science and a MS in Environmental Engineering. He spent 5 years working as a researcher looking at transport and remediation of MtBE and chlorinated solvents in fractured bedrock aquifers. He has worked in the Underground Storage Tank Program at the Rhode Island Department of Environmental Management for the past 7 years, and in his spare time is also a project manager for LUST cases. When not working, Joe likes to travel (although he hasn't left the smallest state in the country in 14 months, but who's counting?), bicycle, hiking the national parks, and being outside.

Perfluorooctanoic acids (PFAS), Perfluorooctanoic acid (PFOA), and Perfluorooctanesulfonic acid (PFOS) are an emerging class of anthropogenic, highly carcinogenic compounds that are increasingly being found in groundwater and drinking water supplies of urban, suburban, and rural areas. When these compounds are present at a leaking underground storage tank (LUST) sites, special care must be taken to avoid mobilizing or oxidizing the compound, and disposal of contaminated media must be carefully considered to avoid transferring the contaminant to a location unprepared to properly contain or treat the contaminants. This presentation will review a case study at a major petroleum LUST site in Westerly, Rhode Island where PFOS contamination was discovered one year after active treatment began, and discuss the implications of the presence of perfluoro acids at petroleum LUST sites, including unintended mobilization and off-site transport, it's impact on treatment options, and addressing the legal and responsibility challenges.

- **Shannon Cala, Montana DEQ**, was born at a very young age. She grew up and then went on to attend the University of Montana for thirteen years where, much to everyone's joy, she finally earned her bachelor's degree in Biology with an emphasis in Human Biology. She began working for the Montana Department of Environmental Quality in 2007 where she has been blessed with

work. She is an first-rate parallel parker and earned a Governor's Award in both 2015 and 2017 for excellence in performance. Her motto is "Always give 100%, unless you're donating blood."

Montana will be presenting a case study involving a petroleum release adjacent to a State Superfund Site. Due to the nearby contamination and the regulations governing the Superfund Site, remedial technologies are limited, there have been delays in cleanup, and there continue to be State Fund coverage issues.

State Revenues and Impacts to the Tanks Programs, 4:00 – 5:00 PM EDT

This session will focus on the reduction of State revenues and potential impacts to the State UST programs in the future. Attendees will learn how the switch to electric vehicles will not only affect state funds but will also make connections to issues of environmental justice. Find answers to questions like "How many fuel consuming cars are being replaced by electric vehicles?" and "Who will UST funds be serving?". Following presentations from the NGA and Coltura, attendees are invited to participate in a Q&A session to discuss the future of the State UST fund programs.

- **Jake Varn is a Policy Analyst with the National Governors Association's** Center for Best Practices. At NGA, Jake assists Governors' staff and state policymakers on issues related to infrastructure and transportation. His areas of focus include funding and innovative infrastructure financing models, broadband, electric vehicles, climate mitigation and resilience, and the deployment of innovative technologies.

Jake will be presenting on a recent NGA Study, "Planning For State Transportation Revenue In A Coming Era Of Electric Vehicles"

- **Matthew Metz is co-executive director of Coltura**, a non-profit organization focused on gasoline policy issues. He is lead author of *Governing the Gasoline Spigot*, a comprehensive review of gas station trends and regulatory policy options published in the January 2021 *Environmental Law Reporter*. Matthew is the former owner of a shuttered gas station, which he took through a clean-up in 2019:

Four converging trends are threatening gas stations and the solvency of UST funds as never before--the rise of electric vehicles, the expansion of large retailers into gasoline sales, the increasing age of USTs, and increasing political and regulatory pressure on gas stations. This presentation, "Navigating Tanks Through the Electric Vehicle Revolution," explores these trends and their significance for tank program managers, and suggests policy proposals to manage UST liabilities and avoid a fund implosion