

PEMA 2025 REMEDIATION SEMINAR PRESENTATION ABSTRACT

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TOPIC: Challenges and Success Stories of Onsite PFAS Treatment in Wastewater and Decontamination for AFFF Conversions to Fluorine-Free (aka “Green”) Foams

WHO SHOULD ATTEND? Facility EH&S, Operations, and Maintenance Managers and Environmental Consultants

Presentation Summary:

The presentation will highlight several case studies of projects involving traditional PFAS filtration performed by GEM Mobile Treatment Services. Each job had its own challenges ranging from varying initial PFAS concentrations, impacts of cross-contaminants, extreme weather conditions, unexpected generation of additional wastewater, and wide arrays of treatment goals set by customers and regulators. I will share insightful nuances and lessons learned, including how facility operators can minimize their cost footprint in the event of an accidental AFFF discharge, fire, or spill. The presentation will cover a series of AFFF conversions involving decontamination and waste management in preparation for fluorine-free foam.

Sample agenda for the 20-minute presentation:

- Pros & Cons of Offsite Transportation & Disposal vs. Onsite Treatment
- Technological Considerations for Onsite WWT, Including Pre-Treatment of Co-Contaminants
- Case Studies: Onsite PFAS Treatment
- Case Study: AFFF Decontamination & PFAS Waste Management
- Unique Challenges and Lessons Learned Dealing with PFAS
- Best Practices & Key Takeaways