



PFAS Beyond AFFF: “Emerged” Contamination in AB

Permveer Bains, Element Materials Technology Canada

Although discussions around PFAS have long focused on AFFF-contaminated sites such as military bases and airports, current trends indicate that PFAS are now emerging in a broader array of industrial settings throughout Alberta. Many industry stakeholders remain uncertain about when and how PFAS risks will affect their operations. This presentation provides a timely context for PFAS in AB by:

- Examining the evolving landscape of PFAS contamination beyond traditional AFFF scenarios and identifying the types of sites that are likely to be affected in the coming years.
- Analyzing current regulations in AB and Canada, with comparisons to international frameworks, to forecast the regulatory trends that will shape how contaminated sites are managed.
- Outlining a straightforward, proactive toolkit that details practical steps - both immediate and long-term - that facilities can adopt to evaluate and control PFAS contamination before new regulatory mandates are enforced.

By clarifying the expanded scope of PFAS risks and offering actionable measures, this talk aims to equip industry professionals with the insights and tools needed to safeguard both their operations and the environment.

Permveer Bains

Permveer is the Business Development Manager and PFAS Subject Matter Expert at Element bringing a full-spectrum perspective to the chemical industry - having sourced chemicals, sold those chemicals, and now leading the charge in testing for them. A Professional Chemist in British Columbia with experience spanning pharmaceuticals, specialty chemicals, and analytical laboratories, Permveer specializes in helping industries navigate the evolving landscape of PFAS, regulatory compliance, and evolving analytical testing.