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# Local And Global PFAS Views Considering Observations, Trends, And The Ways Forward

ESAA PFAS Symposium

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# The Panel

- **Moderator – Kate Lindfield:** Senior Geoscientist, SLRConsulting (Canada) Ltd.
- **Permveer Bains:** Business Development Manager at Element Materials Technology
- **Mark Petersen:** Senior Environmental Engineer, BARR Engineering
- **George (Bud) Ivey:** President & Senior Remediation Specialist at Ivey International Inc.



# Recent PFAS Regulatory Developments in Canada

## ■ Federal

- Proposed listing of PFAS (excluding fluoropolymers) as Toxic under CEPA
- Proposed Phased Risk Management Approach
- Section 71 Notice Reporting
- National Pollutant Release Inventory Reporting
- CFIA Interim Standard for PFOS in Biosolids
- Health Canada – DWO, SSVs and Interim TRVs for Federal Contaminated Sites

## ■ Provincial

- Québec – biosolids limits for PFAS
- Health and environmental protection agencies are internally evaluating how to respond to federal initiatives (PFAS as a Class, HCDWO).



# Proposed Federal Risk Management Approach

Phased prohibition of PFAS uses under CEPA:

**Phase 1**  
(Immediate)

Firefighting foams (specifically PFAS not currently regulated)

**Phase 2**  
(Near-future)

Various consumer products in which PFAS are not needed for protection of health, safety or the environment

**Phase 3**  
(Future)

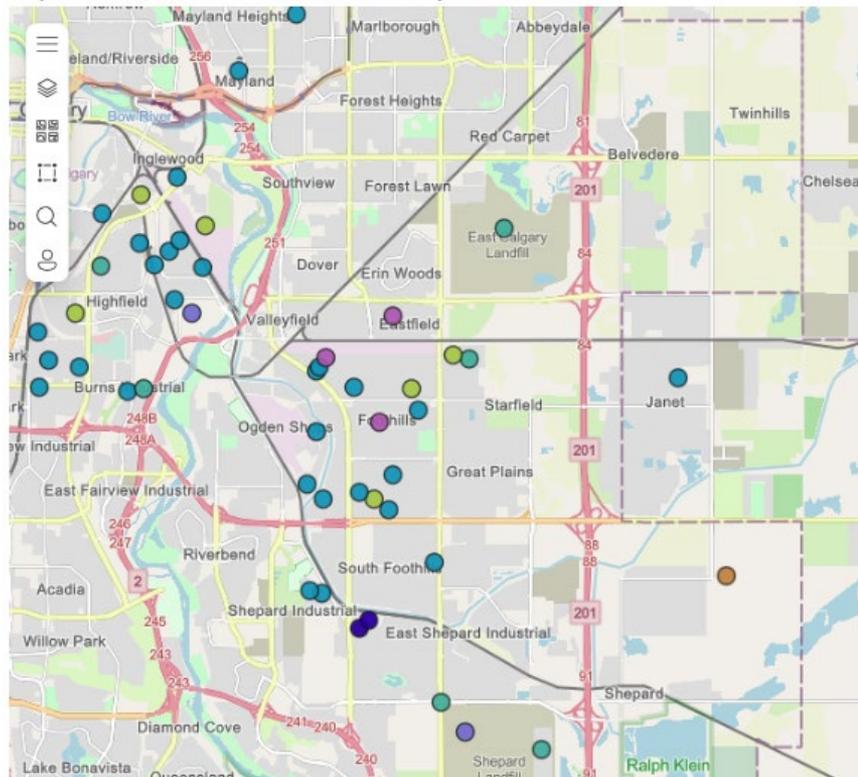
Other applications that require further evaluation because there are no feasible alternatives to use of PFAS



# National Pollutant Release Inventory (NPRI) Reporting

- **What:** Facilities with around 10 full-time employees (FTE) that use any of the 163 listed PFAS in amounts  $>1$  kg and concentrations  $>0.1\%$  by weight will be required to report the quantities released, disposed of, and recycled
- **Why:** To gather data
- **When:** 2025 calendar year with reporting due June 1, 2026

Map of National Pollutant Release Inventory Facilities in 2023





# Biosolids

- Canadian Food Inspection Agency Interim Standard
  - For biosolids imported or sold:
    - PFOS < 50 µg/kg
  
- Québec Fertilizing Residual Materials (FRM) Management Code
  - For biosolids for general use:
    - 13 PFAS (including PFOS and PFOA) < 120 µg/kg
    - PFOS < 11 µg/kg
    - PFOA < 8 µg/kg



# Health Canada Drinking Water Objective (2024)

- Sum of PFAS – 25 compounds (PFAS in EPA 533), use 0 where <RDL

HC DWO	
Sum of 25 PFAS	30 ng/L (ALARA)

- Replaces previous chemical-specific drinking water screening values and MACs.
- Established based on treatment and analytical achievability.



# Health Canada Soil Screening Values and Interim TRVs (as of November 2025)

- Sum of PFAS – broadest suite possible (e.g. 40 in EPA 1633A), use  $\frac{1}{2}$  RDL where  $<$  RDL

	AL/RL/PL	CL	IL
Sum of PFAS	0.038 mg/kg	0.057 mg/kg	0.54 mg/kg

- Direct contact human health protection only. Not protective of potable water exposure – check groundwater/surface water (if potable water source) and compare to the Health Canada Drinking Water Objective.
- Replaces previous chemical-specific SSVs and the CCME PFOS guidelines for human health protection.
- Document provides guidance for assessing human health risks, including interim TRVs for numerous PFAS.



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