

## Tier 1 and Tier 2 updates

Chris Chalk, Norman Sawatsky and Premee Mohamed, Alberta Environment and Parks

Alberta Environment and Park recently released updates to the Tier 1 and Tier 2 soil and groundwater guidelines. Changes included updating some values to align with new Health Canada and CCME values (including toxicity reference values), addition and removal of some parameters including PFOS and PFOA, and changes to Tier 2 guidance related to flood zones and domestic use aquifers.

### Chris Chalk

Chris Chalk is a Contaminated Sites Hydrogeologist with the Regulatory Assurance Division, Regulatory Programs Branch North of Alberta Environment and Parks. He graduated with a Hons. B.Sc. in Earth Sciences – Hydrogeology Specialization from the University of Waterloo and has over 18 years of experience in the environmental industry. Chris's role at Alberta Environment and Parks involves providing subject matter expertise review of hydrogeological site assessment reports submitted in support of various industrial approval applications, groundwater supply testing reports and water act applications, and Phase II Environmental Assessment, Remedial Action and Risk Management Plan reports generated for non-approved facilities. Chris also serves on multiple teams at Alberta Environment and Parks tasked with the development and implementation of contaminated sites policy guidance documents and directives.

### Norman Sawatsky

Norman Sawatsky, Ph.D., P.Ag., Contaminated Sites Policy Advisor. Norman Sawatsky has been working as a contaminated sites specialist for Alberta Environment for over 20 years. He is currently working as a Contaminated Sites Policy Advisor for the Land Policy section in Alberta Environment. Norman has a PhD in soil science from the University of Alberta and a B.Sc. in chemistry from the University of Winnipeg.

### Premee Mohamed

Premee Mohamed has been a Reclamation and Remediation Policy Specialist with the Land Policy section of Alberta Environment and parks for 8 years and has previously worked in industry, consulting, and research. She is a Professional Agrologist and has degrees in biology and land reclamation from the University of Alberta."