



## Tier 2 Training Workshop Advanced Skills

This workshop, taught by co-authors of the Alberta Tier 2 Soil and Groundwater Remediation Guidelines, offers guidance and practice in the calculation and application of Tier 2 guidelines. The training provides opportunities for identification and discussion of technical and process issues related to Tier 2, data evaluation and hands-on modelling of Tier 2 guidelines. Participants are assumed to have a working knowledge of the Tier 1 & 2 guidelines.

The material covered in the workshop comprises: an overview of the Tier 1 & 2 guidelines; presentation of the technical methodology, process and regulatory requirements for Tier 2 guideline adjustment; discussion of data requirements for Tier 2 and how to ensure data are appropriately collected; demonstration of Tier 2 modelling methods for groundwater transport and vapour intrusion; and hands-on practice in Tier 2 guideline calculation and implementation using actual contaminated site case studies.

Attendees will be provided case study files and appropriate modelling tools. Participants are required to provide their own laptops capable of running browser-based software.

### *Locations:*

**SAIT Campus**  
Calgary, AB

*November 27 – 28, 2024*

**NAIT Campus**  
**Productivity and Innovation Centre**  
Edmonton, AB

*December 11 – 12, 2024*

*Cost: \$1,400 + GST*

## *Course Outline*



### **Day One**

- 8:30 – Introduction. Tier 1 Overview: Basis of Guidelines
- 9:30 – Conceptual Site Models
- 10:30 – Break
- 10:45 – Overview of Tier 2, Pathway Elimination, Data Requirements.
- 12:00 – Lunch
- 12:45 – Case Study 1 – Pathway Elimination
- 2:00 – Tier 2 Guideline Modification Overview – Eligible Pathways, Data Requirements
- 2:30 – Break
- 2:45 – Case Study 2 – Tier 2 Guideline Calculations for Groundwater Pathways
- 4:30 – Finish

### **Day Two**

- 8:30 – Tier 2 Guideline Modification Overview – Vapour Inhalation
- 10:15 – Break
- 10:30 – Case Study 3 – Tier 2 Guideline Calculations for Vapour Inhalation
- 12:00 – Lunch
- 1:00 – Ecological Soil Contact Pathway
- 1:30 – Case Study 4 – Complex Site
- 2:30 – Advanced Approaches
- 4:00 – Finish