



## 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.

A CD will be provided containing case study files and appropriate modelling tools. Participants are required to provide their own laptops loaded with Microsoft Excel or a compatible spreadsheet program.

### *Course Outline*



#### Day One

- 8:30 – Introduction. Tier 1 Overview
- 10:00 – Break
- 10:30 – Overview of Tier 2, pathway elimination, data requirements.
- 12:00 – Lunch (not provided)
- 1:00 – Case Study 1 – pathway elimination
- 2:00 – Tier 2 Guideline Modification Overview – Groundwater pathways
- 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
- 10:00 – Break
- 10:30 – Case Study 3 – Tier 2 Guideline calculations for vapour inhalation
- 12:00 – Lunch (not provided)
- 1:00 – Remediation Certificates
- 1:30 – Case Study 4 – Complex Site
- 2:15 – Overview of Site-specific Risk Assessment (SSRA)/Exposure Control
- 3:00 – Finish

#### *Locations:*

**SAIT Campus**  
Calgary, AB

*March 15-16, 2018*

*April 9-10, 2018*

**MacEwan University (City Centre)**  
Edmonton, AB

*March 6-7, 2018*

**Cost: \$950 + GST**



## Registration Form – Alberta Tier 2 Training Workshop

Edmonton, AB – March 6-7, 2018

Calgary, AB – March 15-16, 2018; April 9-10, 2018

Enrollment is limited and will be handled on a first-come-first-served basis. Millennium EMS Solutions Ltd. reserves the right to cancel the course (with a full refund) if there are insufficient registration numbers.

Please complete this form and send by fax (403-283-2647 attn. Ian Mitchell) or email ([courses@mems.ca](mailto:courses@mems.ca)).

Course Location/Date:     Edmonton, March 6-7, 2018                             Calgary, Mar. 15-16, 2018

Calgary, Apr. 9-10, 2018

|                  |       |              |       |
|------------------|-------|--------------|-------|
| Registrant Name: | _____ | Date:        | _____ |
| Company:         | _____ | Address:     | _____ |
| City:            | _____ | Province:    | _____ |
| Phone:           | _____ | Email:       | _____ |
|                  |       | Postal Code: | _____ |

### Payment Information

Payment is accepted by credit card (Visa, MasterCard, American Express) or by cheque payable to Millennium EMS Solutions Ltd. (email or phone to confirm space before sending cheque). Please select your preferred payment method below.

Credit card (VISA, MasterCard, American Express – see note below\*)

Cheque

Other (specify): \_\_\_\_\_

\*If you are paying by credit card, go to the website and select the course you will be attending and click on the payment link and you will be directed to **Stripe**.

AEP staff should contact [courses@mems.ca](mailto:courses@mems.ca) for further instructions before submitting payment.

If you are paying by cheque, please identify the dates of the course you are going to and send the payment to:

Alberta Tier 2 Guideline Workshops  
c/o Accounting  
#148, 2257 Premier Way  
Sherwood Park, AB T8H 2M8

Cancellations are accepted up to 7 days prior to the workshop with a \$50 cancellation fee. Cancellations less than 7 business days prior to the workshop will be subject to a 50% cancellation fee. Substitutions of registrants may be made with no additional cost at any time prior to the workshop.