

June 1 – Contaminated Site Investigation Training: Planning, Sampling, and Interpretation

8:00 am to 4:30 pm

**Chemical and Biological Engineering Building, 2360 East Mall, UBC
Room: CHBE 101**

Seminar Synopsis

This is a companion day to Day 1, but can be taken separately for those who wish. The focus of this seminar is on the practical aspects of collecting soil, soil vapour, groundwater, surface water, and ambient air samples at contaminated sites. Topics covered will include development of sampling plans, selection of appropriate field methods, data QA/QC, and interpretation of results. Typical field sampling equipment will be demonstrated in a classroom setting. The seminar will assist those who want to learn or improve their field sampling skills; and those who are involved with review of site investigations and need to determine the adequacy of the resulting site characterization. The contaminated site investigation course will address issues associated with the collection and analysis of data for characterization, common sources and types of contaminants and exposure pathways (groundwater, NAPL, soil vapour, sediment).

Schedule

The seminar will run from 8:00 am to 4:30 pm; lunch (included) is noon to 1:00 pm.

The Proposed Agenda

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| 8:00-8:15 | Refreshments and Introductions |
| 8:15-10:00 | Part 1 – Conceptual Model and Sampling Strategy
Part 2 –Example Site and Class Exercise |
| 10:00-10:15 | Refreshment Break |
| 10:15-12:00 | Part 3 – Sampling Design, Methods, Tools <ul style="list-style-type: none">– Soil– Groundwater |
| 12:00-1:00 | Working Lunch - Demonstration of sampling tools and techniques |
| 1:00-2:45 | Part 3 (cont.) – Sampling Design, Methods, Tools <ul style="list-style-type: none">– Soil Vapour– Other Media (sediment, surface water, biota)– Recent Developments |
| 2:45-3:00 | Refreshment Break |
| 3:00-4:15 | Part 4 – Interpretation <ul style="list-style-type: none">- QA/QC- “Best Practice” to avoid pitfalls- What to look for when reviewing a site investigation report |
| 4:15-4:30 | Wrap-up and Discussion |