

# GeoEnviroLogic Professional Development

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## **Fundamentals: Investigation, Regulations, Risk Assessment Principles, and Remediation/Management Planning**

**February 1, 2010, Vancouver BC**

## **SEMINAR SYNOPSIS**

This seminar provides an overview of the scientific, regulatory and management processes for contaminated sites. The course is useful for those who have an interest in contaminated site issues and want to develop further professional expertise.

Topics covered include regulatory aspects of contaminated sites; contaminant fate and transport; scientific approach to site investigation, management process of remediation; and application of human health and ecological risk assessment. Examples will be presented.

At the end of this course, you will have a sound understanding of the scientific, regulatory and management principles applied at contaminated sites

## **PRESENTERS (in presentation order)**

▶ Dr. Reidar Zapf-Gilje, P.Eng.: Adj. Prof., Dept. Civil Eng., UBC; Contaminated Sites Approved Professional; GeoEnvirologic Professional Development and Consulting

▶ Dr. Ian Hers, P.Eng.: Golder Associates Ltd.; Contaminated Sites Approved Professional

▶ Ross Wilson, M.Sc., DABT, R.P.Bio.: Wilson Scientific; Contaminated Sites Approved Professional

▶ Trish Miller, M.Sc., R.P.Bio.: Golder Associates Ltd; Contaminated Sites Approved Professional

## **MANUAL TABLE OF CONTENTS**

This manual is organized by presenter as listed above. Each Presenter listed has one section, defined by a tab, containing all of his or her presentations for both days. Individual presentation within each presenter's section are separated by a coloured sheet of paper.

# Seminar Outline

- Part 1: Contaminated Sites History, Characteristics, and Regulation (R. Zapf-Gilje)
- Part 2: Conceptual Model and Sampling Strategy (R. Zapf-Gilje)
- Part 3A: Contaminant Fate and Transport - Groundwater (I. Hers)
- Part 3B: Contaminant Fate and Transport – Soil Vapour (I. Hers)
- Part 4A: Overview of Human Health Risk Assessment of Chemicals in the Environment (R. Wilson)
- Part 4B: Ecological Risk Assessment Framework and Principles (T. Miller)
- Part 5: Remediation (I. Hers)