

GeoEnviroLogic Professional Development
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Contaminated Sites Overview
Investigation Design, Risk Assessment
Principles, Remediation and Management
Planning

February 20, 2008 at UBC, Vancouver BC

**GeoEnviroLogic Professional Development
Technical Seminars in environmental science and
contaminated site investigation, remediation and risk
assessment**

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Contaminated Sites Overview

**February 20, 2008 from 8:00 am to 4:30 pm at the
University of British Columbia**

**Chemical and Biological Engineering Building Room
CHBE 102, 2360 East Mall, Vancouver BC**

SEMINAR SYNOPSIS

This seminar provides an overview of the scientific, regulatory and management processes for contaminated sites. The seminar is a good primer for the ALS environmental seminar scheduled for the following day; as well as for the three day combined BC Ministry of Environment and GeoEnviroLogic seminars the following week; and the combined Health Canada and GeoEnviroLogic seminars in mid-March. The course is useful for those who have an interest in contaminated site issues and wish 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; application of human health and ecological risk assessment. Examples will be presented.

LEARNING OBJECTIVE

To gain a sound understanding of the scientific, regulatory and management principles applied at contaminated sites.

PRESENTERS, in presentation order

- ✓ Reidar Zapf-Gilje, PhD, PEng, Approved Professional, Chair – Roster Steering Committee, Adjunct Professor – UBC Civil Eng, GeoEnviroLogic Consulting and Professional Development

- ✓ Ross Wilson, MSc, RPBio, DABT, Approved Professional, Wilson Scientific

- ✓ Beth Power, MSc, RPBio, Approved Professional, Azimuth Consulting Group Inc

- ✓ Loretta Li, PhD, PEng, Associate Professor - UBC Dep't of Civil Engineering

MANUAL TABLE OF CONTENTS

This manual is organized by presenter as listed above. Each Presenter has one section, defined by a tab. Within each presenter's section, individual presentations, if more than one, are separated by a colour sheet of paper.

SEMINAR OUTLINE

8:15-10:00 Part 1 R. Zapf-Gilje

- Contaminants, Regulations and Case Studies

10:00-10:15 Refreshment Break

10:15-12:00 Parts 2 and 3 R. Zapf-Gilje

- Contaminated Site Investigation and Management Process
- Contaminant Fate and Transport: Groundwater

12:00-1:00 Lunch (Provided)

1:00-2:30 Part 4 R. Wilson/B. Power

- Risk Assessment Framework and Principles: Human Health and Ecological

2:30-2:45 Refreshment Break

2:45-3:30 Part 3 Cont'd R. Zapf-Gilje

- Contaminant Fate and Transport: Soil Vapour

3:30-4:15 Part 5 L. Li

- Site Remediation

4:15-4:30 Wrap-Up and Discussion