

Day 1: 8:30 am

- Meet and greet, coffee, and introductions

9:00 AM: Course Begins

- Introduction of AESAC
- Course Overview
- Principles of Environmental Site Assessment
 - Purpose of an ESA
 - Levels of Assessment
 - The Phased Approach
- The CSA Standard Z768-01
- Environmental Law - "The Basics"

10:30 AM: Coffee Break

- Records Review & Information Gathering
 - Mandatory and optional information
 - Examples of where to find information
 - How to interpret information
- Pictures, Maps and Air Photographs
 - Topographic Maps, Fire Insurance Plans
 - National Air Photography Library and other resources

12:30 PM: Lunch Break

- The Interview
 - Why, Who, What, and How
- Risk Management
 - Health and safety for Consultants
 - Site Specific Health & Safety Plan
 - Hazardous Materials Information

2:30 PM: Coffee Break

- Contaminant Migration
 - Source – Pathway – Receptor
 - Contaminant Behavior
 - Groundwater – Elevation & Flow Direction
- Closure/Review and Daily Question and Answer
- Take-home Assignment

5:00 PM: End of Day 1**Day 2: 9:00 AM Day 2 Begins**

- Q and A about CSA Standard Z768-01
- Review Take Home Assignment
- The Site Inspection
 - General Site Information
 - Screening/Site Inspection Report
 - Understanding of Site Operations
 - Industrial, commercial, agricultural, vacant
 - Oil & Gas, Mines, Heritage sites
 - Adjacent Properties

10:30 AM: Coffee Break

- Hazardous Materials on site
- AST's and UST's
- Special attention items
 - Asbestos, Lead, UFFI, PCB's, ODS.
- Evidence of Investigation & Remediation

12:30 PM: Lunch Break

- **Guest Speaker** (*May be Subject to change*)
- Case Studies; Site Inspection
 - Alberta, BC, or Ontario Specific Case Studies
- Real Site Inspection (Mock inspection of Course location property).
 - Investigate interior and exterior of Building and property

2:30 PM: Coffee Break

- Report Structure & Interpretation
 - Components of a Phase I ESA
 - Scope of Work
 - Enhancements to a Phase I ESA
 - Limitations to a Phase I ESA
 - Records Review, Site Visit, Interviews
 - Reporting & Interpretations of Phase I ESAs

5:00 PM: End of Day 2**Day 3: 9:00 AM Day Begins**

- Ontario MOE Regulations- (Ontario Course Only)
 - O. Reg. 153/05 & 511/09
 - Record of Site Condition (RSC)
 - Changes to Site Condition Standards (SCS)
 - Staged Implementation of O.R. 511/09
- Western Canada Special Regulation (Alberta and BC Course Only)
 - Upstream Oil and Gas Regulations
 - Provincial differences to Phase I ESA's

10:15 AM: Coffee Break

- Group Exercise; Bringing it all together
 - Completing a Phase I ESA
 - Gathering information
 - Recap and review of "Real Site Inspection"
 - Reporting a Phase I ESA
- Environmental Issues- Photo Review/Group Discussion
- Review for Exam/Q and A

12:00 PM: Lunch Break

- Exam and course review

3:00 PM

- **Phase I ESA Certification Exam**

5:00 PM: End of Phase I Training Course