

Day 1: 8:30 am

- Meet and greet, coffee, and introductions

9:00 AM: Course Begins

- Introduction of AESAC & Instructors
- Course Overview
- Principles of Environmental Site Assessment
 - Purpose of an ESA
 - Levels of Assessment
 - CSA Standard & Upstream Oil & Gas
- Qualified Assessor
- The Phased approach- Leading to Reclamation Certificate
- QUIZ

10:30 AM: Coffee Break

- Contaminant Sources and Contaminants of Concern
 - Source-Pathway-Receptor Model
 - Conceptual Site Model
 - Potential Contamination Sources
 - Pathways for Migration
 - Contaminants of Concern
 - Chemical fate and transport
- Upstream Phase 1 ESA Standards
 - Governing Bodies
 - Legislation
 - Phase 1 ESA form
- QUIZ

12:30 PM: Lunch Break

- Phase 1 ESA Components
- Records Review
 - Drilling & Waste Disposal Information
 - Production, Storage, and Environmental Information
 - ESAR, Air Photos, Maps, Site Plans
- QUIZ
- Air Photo Group Exercise
 - Review and interpret real Oil & Gas Air Photos

2:30 PM: Coffee Break

- The Site Visit
 - General Site Information
 - Possible Sources of Contamination
 - Proximity to Neighbouring receptors
- Site Photos, Site Sketch
- Interviews
 - Who? What? Why? How?

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

- Drilling Waste Compliance Options
 - Documentation
 - 3 Compliance options, Checklists, and Calculations
- Group Exercise – Mock Site Visit, Air Photo Review, Records Review
- QUIZ

10:30 AM: Coffee Break

- Report Structure & Interpretation
 - Phase 1 ESA Report Structure
 - Report Review and Interpretation
- Professional Sign-off
 - Professional Designations
 - What is Professional Sign-Off? When is it required?
 - Professional Declaration Form
- Site Remediation and Reclamation
 - Overview of steps after Phase 1 ESA
 - Phase 2 ESA Overview
 - Remediation Overview
 - Site Reclamation and Reclamation Certificate Overview
- QUIZ

12:30 PM: Lunch Break

- **Expert Guest Speaker**
- Operation Tips
 - Documentation, Data Management
 - Housekeeping to reduce contamination
 - Landowner relations

2:30 PM: Coffee Break

- Group Exercise; Bringing it all together
 - Compiling of Phase 1 ESA information
 - Recap and review of Air Photos and Mock Site Visit
 - Finalization of the Phase I ESA

Course and Exam Review

- Phase I Upstream Oil & Gas Exam (1.5 hour allocated)

5:00 PM: End of Phase I Upstream Oil & Gas Training Course