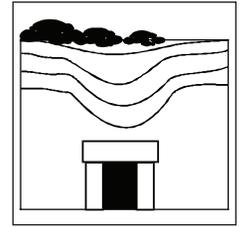


# AML Design Workshop: Subsidence

This is a field-oriented course to assist AML field staff in the selection and design of reclamation methods. Course material will cover several abatement methods such as grouting, flushing, pneumatic and hydraulic stowing, and column supports.



**Duration: 4 days**

## TOPICS COVERED

This field-oriented workshop requires intensive interaction, relying on active student participation and the sharing of their AML reclamation design experience. Students will be required to develop conceptual designs, plans and specifications, and construction cost estimates.

- ▼ Agenda
- ▼ Introduction and Overview
- ▼ Definition of Terms
- ▼ Identification of Hazards
- ▼ Identify Reclamation Methods
- ▼ Site Characterization
- ▼ Develop a Site Map
- ▼ Develop Viable Reclamation Alternatives With the Pros and Cons Associated With Each
- ▼ Develop Final Design Including Bid Specifications, Plans/Drawing and Bid Items
  - ◇ *General Description of Work*
  - ◇ *Mobilization and Site Preparation*
  - ◇ *Construction Materials and Equipment*
  - ◇ *Site Restoration*
- ▼ Demobilization
- ▼ Method of Measurement and Payment
- ▼ Develop Cost Estimates

**WHO SHOULD ATTEND:** AML personnel (designers, project managers, engineers, geologists and inspectors). It is recommended that participants complete the AML Drilling and Grouting class prior to taking this course.

**COMMENTS:** Students are encouraged to bring the following to class:

- △ Calculator
- △ Laptop computer (optional)
- △ Plans and specs of a reclamation method (hard copy and disk in Word) that student has developed or constructed
- △ Up to five digital images or photos of the above reclamation method

Be prepared to discuss the pros and cons of this reclamation method.

**Field Exercise:** Field boots and rain gear are required.

**National Technical Training Program: (202) 208-2769**