



## Case History

### Landfill Design, Operations and Closure

**SPERLING  
HANSEN  
ASSOCIATES**

#### **Design, Operations & Closure Plan – Gibraltar Mine Landfill**

- *SHA conducted preliminary siting investigation for a landfill on a waste rock dump at the Gibraltar Mine near Williams Lake, BC.*
- *Prepared detailed design, operations and closure plan for the landfill.*
- *Analyzed slope stability, geology, hydrogeology and water quality.*
- *Prepared phasing plan for landfill development and progressive closure.*
- *Provided recommendations for liner design, operations, filling, environmental monitoring, leachate management and environmental control systems.*
- *Conducted quality assurance and quality control during the development of the Phase 1 liner system and leachate storage pond.*

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- *Landfill Siting*
- *Landfill Closure*
- *Hydrogeological Investigations*
- *Environmental Monitoring*
- *Design and Operations Plans*