



Case History

DETAILED DESIGN AND CONSTRUCTION

**SPERLING
HANSEN
ASSOCIATES**

Engineering Services for Knockholt Landfill Upgrading

Regional District of Bulkley-Nechako undertook a major upgrading of the Knockholt Landfill in 1998 to create a Regional landfill site.

- *Upgrading involved a 20,000 m³ HDPE lined leachate lagoon, 200 m of leachate collector toe berm, a four-bay transfer station, a scale, 1.5 km of access road upgrading and construction of a 1.5 ha expansion cell.*
- *Total budget for the project was \$1 million.*
- *SHA provided detailed design, continuous QA/QC inspection and project management services.*

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