



Case History

DETAILED DESIGN AND CONSTRUCTION

**SPERLING
HANSEN
ASSOCIATES**

Phase C Liner and Leachate Main Relocation Minnie's Pit Landfill, Mission, B.C.

- *A composite HDPE / clay liner, leachate collection system and pump station were designed for the 20,000 m² area.*
- *A new leachate main was also constructed around the footprint of the landfill to replace an existing failing pipe within the landfill.*
- *On-site material resources were used to construct a closure and the liner in sequence.*
- *Weather related problems delayed construction and a portion of the clay secondary barrier was replaced with Geosynthetic Clay Liner (GCL) to complete construction within the tight time constraints.*

District of Mission Contact: Doug Riecken, P.Eng. (604) 820-3736
Engineering Project Budget: \$166,000



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