



## Case History

### LANDFILL CLOSURE IMPLEMENTATION

SPERLING  
HANSEN  
ASSOCIATES

#### *North Ravine Closure, Campbell Mountain Landfill.*

- *SHA designed final closure for North Ravine using local lake edge silts (1000 mm) and biosolids compost produced at the landfill (300 mm).*
- *Closure was completed over 0.7 Ha area over 3 months in 1998.*
- *Construction involved delivery of clay, compaction to 95% Proctor and construction of shot-crete seals on edges of ravine to minimize air entry.*
- *Total cost of closure was \$245,000 involving \$110,000 for construction, \$95,000 for materials, \$20,000 for roads & \$25,000 for run-off ditching.*
- *SHA provided design, QA/QC and project management.*

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