



Case History LANDFILL GAS MANAGEMENT

**SPERLING
HANSEN
ASSOCIATES**

Greenhouse Gas Credit and Landfill Gas Utilisation Investigation Suncor Energy Inc.

- *Estimated the long term landfill gas production rates and the associated capital and operating costs for the landfill gas management system, at several sites throughout British Columbia.*
- *Outlined the potential for landfill gas utilisation at each site. Approaches included power generation, direct utilization, natural gas development and carbon dioxide generation.*
- *For comparison purposes, summarized the results in terms of dollars per tonne carbon dioxide equivalency.*
- *Evaluated the overall potential for Greenhouse Gas Emission Credits at the sites subject to costs, local politics and applicable regulatory criteria.*

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