



## Case History LANDFILL GAS MANAGEMENT

**SPERLING  
HANSEN  
ASSOCIATES**

### **Vancouver Landfill Gas Management Plan, City of Vancouver**

*The City of Vancouver was required to prepare a landfill gas management plan as a condition of their Operational Certificate. The management plan would address migration and emissions from the site. The City retained SHA's to prepare the management plan.*

- *Off-site migration was found not to be an issue given the presence of the perimeter leachate and surface water ditches.*
- *It was recommended that existing on-site structures be regularly inspected for the presence of landfill gas, and that future on-site structures be constructed c/w sub-grade ventilation systems.*
- *Emission monitoring was limited to regular property boundary ambient air sampling and analysis. Adequate equipment was not available to conduct proper flux measurements at the landfill surface.*

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