



## Case History CLOSURE PLANS

**SPERLING  
HANSEN  
ASSOCIATES**

### **Nanaimo Landfill: First Biocap in British Columbia (2.1Ha)**

- Landfill gas emission control through application of Biocap
- Innovative use of recycled materials for landfill closure (Wood waste drainage layer).
- Development of a cover system (clay barrier and fabricated biosolid topsoil) to reduce infiltration and leachate production
- Installation of surface water management works and erosion control blankets to reduce particulates in runoff

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**Project Cost: Construction:\$588,000, Engineering:\$164,000**



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