



## Case History ENVIRONMENTAL UPGRADES TO LANDFILL

**SPERLING  
HANSEN  
ASSOCIATES**

### **Crown Packaging Landfill**

- *Landfill accepts materials from the cleaning system in the mill.*
- *Developed a contour plan and filling schedule that would maximize site capacity.*
- *Drilled wells, conducted routine monitoring of surface and groundwater.*
- *Completed environmental risk assessment based on high concentrations of iron and manganese.*
- *Investigated several methods of treating leachate, recommended routing leachate into the mill effluent treatment stream.*
- *Compared the leachate treatment costs to the installation costs for four Cover System Concepts to determine the most cost effective approach.*
- *Prepared a detailed Environmental Monitoring Program for the site.*

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**Project Budget: \$79 000**



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