



## Case History

### DETAILED DESIGN AND CONSTRUCTION

**SPERLING  
HANSEN  
ASSOCIATES**

### Salmon Arm Landfill Upgrade

*The Columbia Shuswap Regional District retained SHA to undertake design, construction management and QA/QC on the Phase 1 Closure, Phase 2 Expansion, Leachate Management and Landfill Gas Management Project. SHA also worked closely with Metro Vancouver to ensure the application of a 1.5m depth of BGM otop of the Phase 1 Closure area for a Poplar plantation irrigated by re-circulating leachate from the landfill collection system.*

*SHA provided a full range of engineering services on this assignment that included a conceptual design report, detailed design drawings, technical specifications, tendering services, construction QA/QC and management of monthly progress draws. Of special note, approximately 30,000 m<sup>3</sup> of BGM was blended onsite using Metro Vancouver Biosolids, clean chipped wood waste and sand. The fabricated vegetation horizon now boasts a healthy stand of grass on the side slopes and a flourishing Poplar plantation on the crest of the landfill.*

**Columbia Shuswap Regional District: Darcy Mooney 1 888 248-2773**  
**Engineering Budget: \$517,140**



### SPERLING HANSEN ASSOCIATES

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