



Dr. TONY SPERLING, P.Eng. has concentrated on providing state-of-the-art engineering services relating to the design, operation, monitoring and closure at municipal landfills. He has completed over 500 geotechnical assessments, design and operations plans and closure plans for more than one hundred landfills, including both large municipal sites such as the Vancouver Landfill and the Hartland Landfill in Victoria, as well as numerous small rural sites in the Thompson Nicola Regional District, the Regional District of Bulkley Nechako, the Regional District of Okanagan Similkameen and the Regional District of Kitimat Stikine, amongst others .

Dr. Sperling is also very active in disseminating the art of landfill engineering in BC. He is a Director of the BC SWANA Pacific Chapter and Chair of their Training Committee. He has also developed and taught courses at BCIT and communities throughout BC.

Sperling Hansen Associates has assembled a team with wide ranging expertise in solid waste management. Our technical staff comprises a mix of engineers, geoscientists & technologists with a wide range of environmental consulting qualifications & experience.



SPERLING
HANSEN
ASSOCIATES

Your landfill Specialists



*Designing Better
Landfills Today
For a Cleaner
Tomorrow...*



CONTACT US

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OUR LANDFILL SERVICES

We Take Pride in the Work we do.



- **Landfill Siting Studies**
- **Closure & End Use Plans**
- **Landfill Operations Contracts**
- **Landfill Fire Extinguishments**
- **Transfer Station Siting, Design & Operations**
- **Wastewater Treatment & Pump Stations**
- **Landfill Gas Control & Utilization**
- **Leachate Collection Systems**
- **Waste Generation & Capacity Analyses**
- **Land Reclamation**
- **Settlement & Compaction Studies**
- **Environmental Assessments & Monitoring**
- **Geotechnical Stability Assessments**
- **Economic & Cost Analyses**
- **Tender Drawings & Master Plans**
- **Engineering Design, Specifications & Construction**
- **Construction Inspection QA/QC**

ABOUT US

Sperling Hansen Associates Inc. is an engineering consultancy specialized in providing solid waste management services to municipal and corporate clients. The company was formed in 1995 by dr. Tony Sperling and Poul Hansen, past president of Highland Valley Copper, one of the largest Copper Mines in the world.



Our design philosophy is to work with nature to develop the best possible environmental control systems while taking full advantage of any natural attributes at the site.



We are well-versed in environmental regulations and are familiar with operational requirements and economic constraints at small and large landfills in B.C. communities, including capital constraints, bear problems and winter operations

OUR PHILOSOPHY

Our design philosophy is to work with nature to develop the best possible environmental control systems while taking full advantage of any natural attributes at the site.

Our goal in landfill design is to develop operating strategies and closure concepts that will utilize on-site materials and return the land to an attractive and productive state, while minimizing the risk of post closure leachate impacts on the environment. Examples of this natural control approach include leachate minimization through surface water diversion and progressive closure at Penticton, hydraulic trap leachate collection systems at Hartland Landfill in Victoria and Hope and natural control clay barriers at the Knockholt Landfill in Houston and the Bailey Road Landfill in Chilliwack. In each case, use of natural attributes has resulted in a significant reduction in capital costs by eliminating the need for an engineered leachate barrier.

