



HYDROGEOLOGY SERVICES

In addition to groundwater resource development and mine water management, Piteau Associates offers hydrogeology expertise on a diverse range of physical hydrogeology and water quality assessments in support of dam safety, ground disposal of effluent, landfill monitoring, excavation dewatering, stormwater management, and seepage control.

Specific areas of experience include:

- Hydrogeological characterization and design/implementation of groundwater monitoring programs for industrial and municipal infrastructure, including landfills;
- Characterization for in-ground disposal of treated and untreated sewage via large drainfields and rapid infiltration (RI) basins, and related environmental impact studies;
- Temporary and permanent groundwater control/dewatering for excavations and new construction;
- Infiltration of storm water, often in support of integrated stormwater management plans (ISMPs);
- Analysis and numerical modelling of seepage in earth dams for dam safety assessments;
- Aquifer impact assessments for infrastructure projects such as run-of-the-river hydroelectric developments, pipelines, gas wells, sand and gravel extraction, and land development; and
- Expert review and expert witnessing.



PITEAU ASSOCIATES
GEOTECHNICAL AND WATER MANAGEMENT CONSULTANTS
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