



## **BRUCE A. BROWN ASSOCIATES LIMITED**

**Consultants In The Environmental And Applied Earth Sciences**

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### **BACKGROUND OF CORPORATION**

Brown Associates Limited was established in 1970 to provide multidisciplinary consulting services, primarily to the development industry in the fields of environmental and applied earth sciences. In addition to engineering studies and testing services, the firm provides environmental education, and designs and supervises site remediation programs.

### **SUMMARY OF SERVICES PROVIDED**

#### **DECOMMISSIONING AND DEMOLITION AUDITING**

Historical Assessment of Use of Sites • Auditing of Buildings and Structures for Impaired Conditions • Monitoring Clean-Up Programs Including Asbestos and Work Place Safety Requirements • Identification of Chemical Wastes • Subsurface Investigation of Soil and Groundwater Quality on Impaired Sites • Design and Supervision of Clean-up Programs • Including Abatement • Excavation and Remediation of Impaired or Contaminated Materials • in situ Treatment or Containment • Liaison with Approval Agencies Regarding Formulation of Policies • Wording for Site Specific Agreements or Legislation to Permit Redevelopment of Decommissioned Sites • Assessment and Monitoring of Soil Removal Programs • Including Manifests to Lakefill or Land Disposal • Identification and Supervision of Registerable and Hazardous Waste Removal Programs • Designing and Monitoring Recycling and Landfill Diversion Programs for Demolition Materials • Including Emissions and Product Quality Control.

#### **GEOTECHNICAL AND OTHER SUBSURFACE INVESTIGATION SERVICES**

• Site Investigations and Founding Engineering • Aggregate Exploration • Appraisal/Evaluation and Site Development • Petrographic Assessments • Soil and Hydrogeological Evaluation for Design of Septic Tanks and Property Sewage Disposal Systems • Evaluation of Soils and Dredgeates for Lakefill • Phytotoxicological and Leachate Qualities.

#### **LABORATORY SERVICES**

• Engineering Properties of Soils and Aggregates • Petrographical and Chemical Analyses • Determination and Quantification of Airborne Particles Including Dust • Asbestos and Other Specific Contaminants.

#### **ADDITIONAL SERVICES**

Preparation of Environmental Impact Studies and Environmental Assessment Reports • Design of Onsite Water Supply • Distribution Systems and Sewage Treatment Systems for Rural Development • Community Planning for Hamlet, Estate, Residential, Recreational, Resort, Retirement Developments and Townsites Outside of Serviced Areas • Including Arctic Camps • Coordination of Technical and Environmental Requirements for Major Urban Redevelopment Programs.