

Levelton has earned an excellent reputation in environmental science and engineering. Individual companies and government agencies alike have confidence in the capabilities of our specialists to address their needs, whether it involves measuring, modeling, assessing, designing or a combination of these approaches. We provide sound engineering solutions for the ever-changing environmental problems facing industry and government. Levelton tailors these solutions to the scope and schedule of each individual project to meet our clients' needs.

Our hydrogeology staff is fully familiar with the *Groundwater Protection Regulation* recently enacted in BC which regulates the construction and closure of wells. Our hydrogeologists routinely help our clients to develop new projects, to assess and solve environmental problems and to operate and maintain industrial and commercial infrastructure in compliance with the regulation. Advanced physical testing facilities are maintained in-house to support our studies and test programs.

## Groundwater Resource Assessments:

- Water Well Supply Assessment
- Well Protection Plans
- Ground Based Waste Water Disposal Investigations
- Water Quality and Quantity Studies
- Groundwater Impact Assessments
- Aquifer Mapping and Assessment



## Hydrogeological Support for Environmental Engineering:

- Plume Transport and Fate Analyses
- Landfill Leachate Monitoring and Assessment
- Environmental Impact Assessments
- Groundwater Baseline Quality Monitoring
- Dewatering and Slope Stability Investigations



**LEVELTON**

Levelton offers one point of access to the environmental and engineering services you need. Our multi-disciplinary team makes us well qualified to develop integrated engineering and scientific solutions to your problem. Our expertise includes:

#### **Geotechnical Engineering**

- Soft Ground Conditions and Foundation Design
- Pavement Investigations and Design
- Dewatering Systems
- Slope Stability Studies and Earth Retention Systems
- Ground Improvement and Reinforcement
- Liquefaction Assessment
- Seismic Design

#### **Environmental Impact Assessments**

- Power Plants, Manufacturing Facilities, Pipelines and Other Infrastructure
- Environmental Baseline Studies
- Direct and Cumulative Impacts, Mitigation and Monitoring

#### **Site Assessment, Site Remediation and Environmental Audits**

- Property Contamination Assessments and Audits
- Intrusive Environmental Assessments
- Soil and Groundwater Remediation Programs
- Underground Storage Tank Assessment
- Asbestos Abatement Consulting

#### **Environmental Regulatory Approvals and Public Consultation**

- Environmental Impact Assessments and Regulatory Application
- License and Permit Submissions
- Public Consultation Support

#### **Air Quality Assessment, Meteorology and Emission Control**

- Emission and Ambient Air Quality Testing, Dispersion Modeling and Impact Assessment
- Meteorology and Climatology
- Emission Control Technology and Option Studies
- NPHI and Greenhouse Gas Inventories
- Health Impact Assessment

#### **Metallurgy and Corrosion Prevention**

- Failure Analysis and Forensic Engineering
- Corrosion Engineering, Corrosion Control and Inspection of Coating Systems
- Cathodic Protection Systems

#### **Building Science**

- Non-Destructive Testing
- Building Envelop Condition Assessments and Roofing Design and Inspection
- Computer Analysis and Design of Wall Assemblies
- Below Grade Waterproofing

If you have questions about the new *Groundwater Protection Regulation*, or would like to discuss your needs in detail, please contact us. We can provide wide reaching services through our offices in British Columbia and Alberta.

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