

Levelton has earned an excellent reputation in environmental science and engineering since it was formed. Companies and government agencies have confidence in the capabilities of our specialists to address their needs, whether it involves measurement, modelling, assessment, design, or a combination of these approaches. We strive to provide the best engineering solutions for the ever-changing environmental problems facing industry and government. Levelton provides environmental services tailored to the scope and schedule required, with staff based in British Columbia and Alberta.

Levelton's services, as outlined briefly below, help clients to develop new projects, assess and solve environmental problems, and operate, maintain and decommission industrial and commercial facilities. Advanced chemical and physical testing laboratories are maintained in-house to support our studies and test programs.

Environmental Impact Assessments

- Power plants, manufacturing facilities, pipelines, roads and infrastructure projects.
- Environmental baseline studies.
- Direct and cumulative impacts.
- Assessment of impacts to:
 - air, water and soil quality;
 - terrestrial habitat and wildlife;
 - fish habitat;
 - human health.
- Mitigation and monitoring of impacts.
- Regulatory approvals and permit applications.
- Project management/coordination.
- Planning and approval strategy.



Water Quality and Waste Water Treatment

- Sampling and analysis of baseline water quality.
- Calculation of contaminant discharges.
- Impact of discharges on water quality and habitat.
- Mitigation and monitoring.



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Meteorology/climatology and air quality modelling

- Meteorological monitoring stations.
- Data acquisition and analysis.
- Climatology and weather forecasting.
- Dispersion modelling (all approved models).
- Modelling of the impacts of emergency releases.
- Regional air quality modelling.
- Wind engineering and Computational Fluid Dynamics.



Emission analysis and emission control systems

- Emissions from point, area and mobile sources.
- Methods, data systems and training.
- NPRI reporting.
- Lifecycle greenhouse gas emissions.
- Fuel and motor vehicle technologies.
- Evaluation of emission control systems.
- Fugitive and odorous emission studies.
- BACT reviews and permit support.

Emission and ambient air quality testing

- Compliance testing for permits & licenses.
- Data measurement for design and optimization.
- Programs for toxic and trace contaminants.
- Calibration of emission testing equipment.
- Design and operation of ambient air quality monitoring programs.
- Indoor and occupational exposure testing.

Health risk assessment and occupation hygiene

- Assessment of public and occupational health risks.
- Sampling and assessment of air quality.
- Evaluation of problem materials and mould.
- Asbestos and other hazardous materials.

Analytical chemistry

- Comprehensive testing of environmental samples using CAEAL accredited laboratories.
- Material chemistry and research.
- Environmental field sampling equipment and services.

Environmental planning and strategic studies

- Regional air and water quality studies.
- Air quality management, planning and regional emission inventories.
- Corporate environmental management reviews and audits.
- Emergency response planning.

Levelton offers one point of access to the environmental services you may need. Our multi-disciplinary team is well qualified to assess environmental impacts and to develop integrated engineering and scientific solutions.