



ENVIRONMENTAL Services

Indoor Air Quality / Hazardous Material Assessment

The average person spends 85% to 95% of the time indoors potentially exposed to a variety of contaminants, ranging from hazardous construction materials, to indoor air pollutants and industrial chemicals. At elevated levels, such exposures may lead to adverse health effects, personal discomfort and decreased work productivity.

Levelton has provided measurement, consulting and auditing services to identify and solve indoor air quality (IAQ) and occupational hygiene problems for over 30 years. Our team is composed of highly qualified engineers, scientists, health specialists and technologists. We can help you meet the current regulatory requirements, and achieve a healthy and productive work and home environment.

Indoor Air Quality Assessment

There is an increasing awareness and concern about the health risks associated with human exposure to indoor air pollutants. Recent studies have emphasized the impact of poor indoor air quality on the health and productivity of building occupants and workers. As a result, the provincial WorkSafe BC and local health agencies encourage regular indoor air quality investigations. Our staff can address indoor air quality concerns in industrial, commercial and residential buildings and recommend a variety of preventative solutions.

Hazardous Material Assessment

Various materials are used in the construction of buildings that are known to pose hazards to building occupants, or the environment. Levelton has conducted building surveys on hundreds of properties to identify and assess the presence of hazardous materials such as asbestos, mould, lead, polychlorinated biphenyls (PCBs), formaldehyde, chlorinated fluorocarbons (CFCs) and other chemicals or wastes.

Confined Space Entry Procedures

Safe access to confined spaces requires site specific entry procedures. We are experienced in preparing confined space hazard evaluations and entry procedures for a variety of applications such as safe access to oxygen deficient, toxic or explosive atmospheres and to worksites with entrapment or engulfment hazards.

IAQ Services

- ✓ Air Quality Testing and Assessment
- ✓ Hazardous Material Surveys and Abatement
- ✓ Health Risk Assessment
- ✓ Investigations and Studies
- ✓ Occupational Hygiene Monitoring and Assessment
- ✓ WHMIS Training & Respirator Fit Testing



Testing Equipment is Available for Investigations



LEVELTON

Occupational Hygiene

There is an ongoing need in workplace environments to recognize, evaluate and control occupational exposure in order to ensure the health and productivity of staff. To help employers and employees assess and achieve regulatory compliance Levelton has provided occupational exposure monitoring services in many different industrial settings, such as:

- metal industry
- chemical and petroleum refining plants
- cement plants and aggregate operations
- shipyards
- grain mills and elevators
- wood processing plants
- construction sites
- mining industry
- educational institutions
- specialized manufacturers

Asbestos Abatement

Severe respiratory illnesses, such as asbestosis, lung cancer, and mesothelioma can result from exposure to asbestos. Asbestos fibres may be found in various construction materials, including floor tile, linoleum, drywall joint compound, pipe and elbow insulation, roofing mastic, cement board and textured ceiling plaster.

Levelton personnel are trained to collect bulk material samples from suspect construction materials, analyse the materials for various types of asbestos fibres, and design and supervise subsequent asbestos abatement programs, if required.



Asbestos Pipe Insulation

Health Risk Assessment

Provincial, Federal and International agencies such as Health Canada and the US EPA have developed exposure guidelines for toxic agents to minimize the risk of adverse health effects. Exposure limits are primarily based on the toxicological information from animal studies, or epidemiological research in exposed humans. Levelton has experience in conducting multi-media assessments of human health risks arising from discharges of criteria and toxic pollutants to air, water and soils.

In addition, Levelton can prepare toxicological profiles, consider exposure limits, relative risk values and hazard indices used as part of the regulatory environmental impact assessment process assisting companies with operational and public health concerns.

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