

A stylized logo consisting of several curved, overlapping lines in shades of yellow and grey, resembling wings or a bird in flight, positioned behind the company name.

# Enviro

## Management Inc.

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**ENVIRONMENTAL CONSULTING AND ENGINEERING**



# OUR SERVICES

## Professional Environmental Consulting

Enviro Management Inc. (EMI) provides top quality consulting and training services, to help organizations achieve their goals for protection of employee, public, and environmental health and safety, with offices in the Greater Toronto Area.

## Who We Are

Our consultants & associates consist of multi-disciplinary group of skilled professionals including:

- ▶ Chartered Chemists (C.Chem.)
- ▶ Certified Industrial Hygienists (CIH)
- ▶ Registered Occupational Hygienists (ROH)
- ▶ Canadian Registered Safety Professionals (CRSP)
- ▶ Professional Engineers (P.Eng.)
- ▶ Professional Geoscientists (P.Geo.)
- ▶ Certified Engineering Technologists (CET)
- ▶ Applied Microbial Remediation Technicians (AMRT)
- ▶ Water Restoration Technicians (WRT)
- ▶ Fire and Smoke Remediation Technicians (FSRT)



## What We Provide

- ▶ Professional, cost-effective, and timely environmental and occupational hygiene consulting services
- ▶ Solutions to our clients with a high level of attention to detail
- ▶ The protection and confidentiality of our clients



## Our Approach

- ▶ **Recognition:** Our experienced consultants will assist you in accurately identifying complex environmental issues within your workplace.
- ▶ **Evaluation:** Detailed site assessments, sampling programs and laboratory analysis will be performed as required to characterize the problem.
- ▶ **Control:** Cost effective solutions will be provided for management or remediation of your particular problem given the circumstances.
- ▶ **Follow-up:** We will always review our reports and recommendations with you in person, over the phone or through email correspondence. We believe that long-term business relationships are essential to both your success and ours.



## Mould & Water Damage

Mould growth within indoor environments can lead to potentially serious health effects in susceptible individuals such as the young and elderly as well as immuno-compromised individuals. Conditions conducive to the onset of mold growth is recommended to be corrected as soon as reasonable possible to avoid potential issues related to building maintenance and occupant health.

### Services:

- ▶ Investigation for microbial growth
- ▶ Development of prevention and management programs
- ▶ Mould remediation specifications
- ▶ Post remediation verification services (testing & inspection)
  - Air & Surface sampling
- ▶ Mould Awareness training

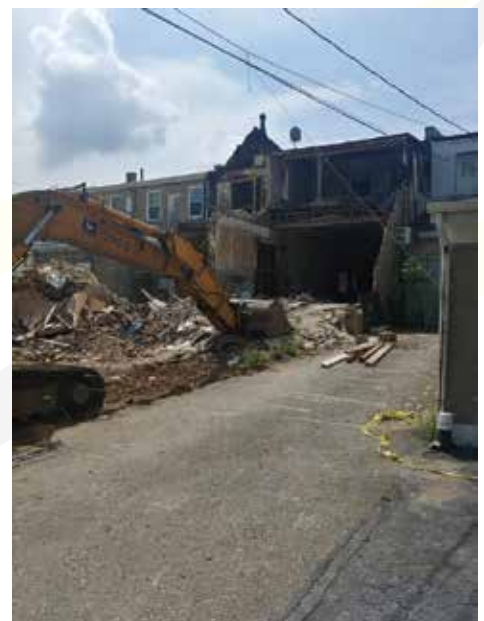


## Identification and Assessment of Designated Substances & Hazardous Materials

EMI can assist you in identifying hazardous materials such as asbestos, lead, mercury, PCBs and silica within your workplace or residence. Our assessment will provide you with a report outlining appropriate procedures for the handling, removing and disposing of hazardous materials present. A designated substances survey is required prior to the start of any construction project. It is the building owner's obligation to determine the location of hazardous materials and designated substances prior to the disturbance of building materials as part of demolition projects or renovations.

### Services:

- ▶ Designated Substance Survey
- ▶ Exposure Assessment & Management Control Plans
- ▶ Asbestos Abatement Specification
- ▶ Post abatement testing & inspection services
  - Air & Surface sampling
- ▶ Asbestos Awareness training



## Occupational Hygiene Services

Occupational Hygiene is generally defined as the art & science dedicated to the anticipation, recognition, evaluation, communication and control of environmental stressors in, or arising from the workplace that may result in injury, illness, impairment or affect the well-being of worker and members of the community. These stressors are divided into different categories including biological, chemical, physical, ergonomic and psychosocial. Our specialist will effectively assess your unique issues and provide a cost effective solution using a 'hierarchy of controls' which generally consists of elimination, substitution, engineering controls, administrative controls or personal protective equipment.

### Services:

- ▶ Chemical & biological exposure assessments
- ▶ Testing and analysis using validated testing methods
- ▶ Radiation monitoring
- ▶ Noise assessments
- ▶ Odor assessments
- ▶ Ventilation evaluations
- ▶ Walkthrough surveys



## Indoor Air Quality Assessments

Indoor Air Quality (IAQ) issues may arise from simple HVAC system setting adjustments to significant design deficiencies. In either case, poor IAQ may lead to occupant discomfort or potential health effects in sensitive individuals which in turn may result in poor productivity and potential friction between occupants and building management.

### Services:

- ▶ Inspection for odors and indoor contaminates sources
- ▶ Mould inspections and testing
- ▶ Thermal comfort factor assessments
- ▶ Development of corrective Air Quality Management programs
- ▶ Preventative maintenance programs (i.e. duct cleaning, etc.)
- ▶ Evaluation of HVAC condition & design
- ▶ Qualitative evaluation of air distribution systems



## Water Quality – Drinking & Groundwater

The quality of water being dispensed, consumed or used in our recreational lives is of the utmost importance in maintaining safe eco-systems and ensuring safe potable water sources for human consumption. It is the chemicals, microbiological organisms and organic/inorganic contaminants that can pose serious health effects to a population. Water quality testing should be performed routinely and conducted in accordance with applicable regulation and/or guidelines.

### Services:

- ▶ Potable drinking water sampling
- ▶ Metals, nutrients, microbiological and Inorganic parameters
- ▶ Sewer (effluent) by-law compliance testing
- ▶ Daycare/Nurseries – Lead in drinking water testing
- ▶ New Construction (pre-occupancy)
- ▶ Recommendation for corrective measure



## Infection Control Services

Infection Control is a sub-discipline of epidemiology concerned with preventing nosocomial or healthcare-associated infection(s). Infection control addresses factors related to the spread of infections within the health-care setting, including prevention (via hand hygiene/hand washing, cleaning/disinfection/sterilization, vaccination, surveillance), monitoring/investigation of demonstrated or suspected spread of infection within a healthcare setting (surveillance and outbreak investigation) and management (interruption of outbreaks). Our consultants can assist you in development appropriate specifications for construction and renovation projects with specific emphasis on infection control principles.

### Services:

- ▶ Pre-construction and post-construction assessments
- ▶ Construction specification design
- ▶ Potable drinking water sampling
- ▶ Legionella outbreak investigations
- ▶ Bio-aerosol sampling – mould, bacteria
- ▶ Water damage and mould assessments
- ▶ HVAC inspections
- ▶ Infection control program audits
- ▶ Respirator fit testing and program development



## Fire Damage Assessments

Properties damaged by fire may create significant or total physical damage but also results in the release of an abundance of chemical compounds, which may require specific attention during remediation. Designated substances such as PCBs may be released during an electrical fire involving transformer equipment, asbestos-containing building materials exposure, lead-containing paints and mercury vapor or fluid may be disturbed. The methods used to extinguish a fire, may promote mould growth or smoke damage to impacted building materials. The mixture of potential chemical agents released, may require a customized remediation plan prior to any demolition related activities. Additionally, following demolition prior to commencing renovation or re-build, it may be prudent to undergo post-remediation testing to ensure the workplace is fit for trades.

### Services:

- ▶ Fire & Smoke damage assessments
- ▶ Remediation action plan
- ▶ Water damage assessment
- ▶ Post remediation testing
- ▶ Air Quality testing, surface residue and soot contamination testing

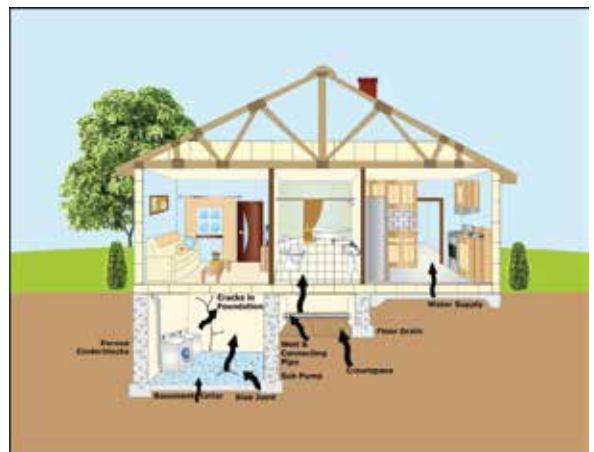


## Radon Investigations

Radon can enter buildings through foundation cracks, plumbing lines, floor drains or other penetrations in the building foundations. Although radon has a short lifetime, some radon gas from natural sources can accumulate in basements, especially in unexcavated spaces due to the fact radon is heavier than air. Our exposure to radon is likely to increase in the winter months when people tend to close exterior windows and rely solely on HVAC systems for air.

### Services:

- ▶ Investigation and air quality testing
- ▶ Development of corrective measures
- ▶ Contractor procurement



# Environmental Site Assessments

An Environmental Site Assessment (ESA) is a report for a real estate holding that identifies potential or existing environmental contamination. The ESA typically addresses both the underlying land as well as physical improvements to the property. ESA's are generally performed in two (2) stages (Phase I & II), with remediation of known impacts performed as defined as a Phase III.



## Phase I:

- Gathering information about the current and historic use of the site
- Reviewing environmental information compiled by regulatory agencies and the Owners
- Physical Inspection of the site
- Interviews with appropriate parties
- Evaluation of risk to adjoining properties
- Report preparation identifying potential sources of contamination

## Phase II:

- Groundwater and Soil Sampling
- Vapor Intrusion testing
- Indoor Air Quality Monitoring programs
- Fuel storage tank removal procedures and documentation



## Phase III:

- Remediation and removal of contaminants
- Contractor procurement and bid evaluation

## Marijuana Grow-Ops

Residential Dwellings used as grow-ops may have significant structural, electrical and heating system modifications not in accordance with applicable building and electrical codes. Alterations may include overloaded existing electrical systems or bypassing circuits to avoid paying for the electricity required to power the high intensity light bulbs and fans, disconnected furnace venting, holes in floors and walls for increased airflow, etc. These alterations help to replicate warm, humid climates where plants flourish and produce high potency marijuana. Such modifications may result in considerable structural damage and may lead to moisture and toxic mould. The building may be further contaminated by pesticides and other chemicals used to facilitate the growing process.

### Services:

- Mould Assessment
- Contractor procurement and bid evaluation
- Remediation Specification(s)
- Surface sampling for chemical residue
- Post remediation verification services (testing & inspection)  
Air & Surface sampling



## Clandestine Drug Labs

The term 'Clandestine Lab' is generally used in any situation involving the production of illicit compounds, regardless of whether the facilities being used qualify as a true laboratory. The primary drug produced in these laboratories is Methamphetamine. Residential dwellings or mobile laboratories become significantly contaminated during the cooking process from the various chemical compounds used as precursors, as well as the final products themselves. Our consultants can provide assessments to determine the scope of contamination, develop an appropriate remediation plan and provide post-remediation inspection and testing services to ensure that the building is fit for occupancy.

### Services:

- Detailed site investigations
- Remediation specification development
- Contractor procurement, quote & bid evaluations for remediation
- Remediation inspection and testing services
- Surface sampling for chemical residues

## Training

We offer training in the following areas:

- ▶ Asbestos Awareness
- ▶ Designated Substances
- ▶ Indoor Air Quality Overview
- ▶ Infection Control for Healthcare Facilities
- ▶ Lead Awareness
- ▶ Mould Awareness
- ▶ Respiratory Protection / Mask Fit Testing

Customized training modules can be developed for your specific needs and delivered on-site at your facility or in our training center.

## Policy

Enviro Management Inc. can also assist in designing, reviewing or assisting in the implementation of policy & specifications for:

- ▶ Asbestos Management Plan
- ▶ COVID-19 Program & Policy
- ▶ Dust Control Plan
- ▶ Emergency Preparedness Training & Evaluation
- ▶ Storage of Hazardous Materials, etc.
- ▶

Our consultants stay up to date on current industry trends and technology through attendance at various national and international conferences and professional development seminars.

## Specializing in the following services:

### Designated Substances Surveys

Asbestos, Lead, Silica, Mercury, Isocyanates, etc.

### Industrial Hygiene Assessments

Chemical Exposure, Ventilation, Noise, Illumination

### Indoor Air Quality Investigations

HVAC Inspections, Airflow Evaluations, Air Sampling, Radon

### Mould Assessments

Investigations, Specifications, Remediation Inspections

### Water Quality Testing

General Parameters, Microbiology, Legionella, Sanitary & Storm, Sub-surface

### Environmental Services

Phase I, II & III ESA's



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