



Let's Clear the Air

The AECOM Canada Air Quality Solutions team provides impact assessment, compliance permitting, and air pollution control services in the following specific areas:

- Impact assessment – air quality and greenhouse gas (GHG) baseline assessments, residual effects assessments, mitigation and monitoring plans for transportation, energy, or industrial clients during construction and operational phases.
- Greenhouse Gas emissions – baseline and proposed project emissions inventories and reports, GHG reduction strategy and net-zero planning, climate risk assessment and modelling, audits and accreditation (MiQ and EO100TM).
- Air emissions inventories – prepare comprehensive air pollutant inventories required in the environmental permitting process and compliance management applications.
- Air dispersion modelling – dispersion from stationary and mobile source air pollutants using AERMOD, CALPUFF, SCREEN3, CAL3HQCR and other software packages.
- Compliance permitting – assessment of facility emissions, operating conditions and production rate changes for maximum operational flexibility.
- Air quality monitoring – design and implementation of indoor and outdoor ambient air quality monitoring programs, including pollutant monitoring, sampling and meteorological station deployment.
- Hazard and explosion modelling – threat zones for various loss of containment hazards including discharge, dispersion, fires, explosions, and toxic effects.
- Industrial process ventilation – assessment and design local process control and exhaust systems. Develop local capture system design, equipment sizing and emissions control technology selection.
- Air pollution control – performance assessment of the existing air pollution control systems. Develop design and tender packages and provide contract management of new control systems.
- Odour control – odour sampling studies, process calculations and treatment technology evaluation, design and tender package development.

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