AMBIENT AIR QUALITY MONITORING

Ambient air is increasingly impacted by industrial and chemical pollutants that are released into the atmosphere. To protect us against these impacts, Environment Canada and Health Canada have established air quality standards for fine particulate matter and ground-level ozone, two pollutants of concern to human health. These ambient air quality standards decree stringent objectives for outdoor air quality in Canada.

HOW CAN BUREAU VERITAS HELP YOU?

From routine air quality analyses to sophisticated technical services, Bureau Veritas is the leading ambient air quality monitoring and testing laboratory in Western Canada. We offer full-service capabilities in:

- Monitoring program operations and maintenance
- Continuous monitoring stations
- Equipment calibration
- Data validation and reporting
- Trace level pollutant studies

Bureau Veritas provides customers with the assurance of accurate and defensible data. Our state-of-the-art data system includes a robust data logger, cell modem and ambient air reporting software for alarming, automated data collection, validation and near real-time reporting. Bureau Veritas also adheres to strict regulatory guidelines to ensure customers meet all operating approval requirements.

We customize our ambient air monitoring services to meet the needs of a broad range of customers across North America. These services include ambient station and equipment rental, maintenance and repair services, calibration, data validation, reporting services and auditing.

Customers in urban and remote locations who do not have their own monitoring capabilities may use on-site Bureau Veritas monitoring stations. These stations can test for a variety of parameters using continuous analyzers, automatic summa canister event sampling and particulate studies. With over 25 years of experience, we currently operate over twenty ambient air monitoring stations across Western Canada and provide operations and maintenance support to regional airsheds.
AMBIENT AIR QUALITY MONITORING

Bureau Veritas has one of the largest fleets of ambient air monitoring stations in Western Canada. We continually reinvest in new equipment and trailers to ensure our fleet remains modern and provides our customers with the high quality they have come to expect from us. Our extensive fleet of air monitoring stations are used on-site by the pulp and paper, oil and gas, oil sands and petrochemical industries, as well as by municipal landfills and regional airshed monitoring programs.

Our customized mobile units include:

• $H_2S$, $SO_2$, NO/NO$_x$/NO$_y$, TRS, CO, THC, NMHC, O$_3$, TSP, PM$_{10}$ and PM$_{2.5}$
• Meteorological parameters (e.g. wind speed, direction, temperature and solar radiation)
• VOCs using EPA methodologies (TO-1 to TO-5; TO-9 to TO-15; TO-17)
• SVOC and inorganic contaminant sampling

ABOUT US

Bureau Veritas is a North American provider of analytical services and solutions to the environmental, energy, food, DNA and industrial hygiene industries with an extensive laboratory network in Canada. Our work supports critical decisions that improve performance, reduce risk or help customers meet safety, quality and regulatory objectives. Founded in 1828, Bureau Veritas is the global leader in testing, inspection and certification services with 78,000 employees in 1,500 locations worldwide.

Our air services laboratory in Calgary has an internationally recognized reputation for data reliability and has numerous accreditations for technical competence and quality management. It is the only air services lab in Western Canada that is accredited by the Standards Council of Canada (SCC) in accordance with ISO/IEC 17025:2005. We are also accredited by the National Environmental Laboratory Accreditation Program (NELAP), the American Industrial Hygiene Association (AIHA LAP, LLC) and the American Society for Testing and Materials (ASTM). These accreditations were awarded through on-site audits, check samples, round robin studies and strict compliance with the industry’s standard operating procedures. Our Quality Management System is based upon protocols published by regulatory bodies, including the U.S. EPA, Environment Canada and the California Air Resources Board.