

# AMBIENT AIR QUALITY MONITORING



## Scope of Services

## On-Site Analyses

## Our Reputation

## Quality Assurance

### On-Site Across Western Canada

Maxxam is committed to providing the best ambient air quality monitoring services possible. With over 25 years of experience, Maxxam currently operates over twenty ambient air monitoring stations across Western Canada. Our extensive fleet of mobile testing units 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 air shed monitoring programs.

### Scope of Services

From routine air quality analyses to sophisticated technical services, Maxxam provides customers with the assurance of accurate and defensible data. We offer full-service capabilities – from license requirement monitoring to trace-level pollutant studies.

Maxxam provides analytical support for long or short-term projects, whether in urban or remote locations. We offer odour monitoring with auto event sampling, particulate studies and we adhere to strict guidelines to ensure clients meet all “license-to-operate” requirements.

Our state-of-the-art data system includes a robust data logger, cell modem and Maxxam DRDAS ambient air reporting software for:

- alarming
- automated data collection
- validation
- almost real-time reporting

Maxxam has developed a cost effective and scalable web-based remote field monitoring or SCADA-type monitoring service called SiteAnalyst™ that can be configured to your specific needs. SiteAnalyst™ is a web-based remote monitoring and global communication service, providing a seamless all-in-one portal to capture, display and trend remote field monitoring data.

Maxxam provides ambient air monitoring services to a broad range of customers across Canada and throughout the United States. These services range from trailer and equipment rental to maintenance and repair services, calibration, and auditing.

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## On-Site Analyses

Our turn-key mobile units allow customers to receive on-site analyses from ambient air monitoring that include:

- H<sub>2</sub>S, SO<sub>2</sub>, NO/NO<sub>2</sub>/NO<sub>x</sub>, TRS, CO, THC, O<sub>3</sub>, NH<sub>3</sub>, TSP, PM<sub>10</sub> & PM<sub>2.5</sub>
- Meteorological parameters (e.g. wind speed, direction, temperature, solar radiation)
- VOCs using EPA methodologies (TO-1 to TO-5; TO-9 to TO-15; TO-17)
- SVOC and inorganic contaminant sampling

## Our Reputation

Maxxam's Calgary Air Services Laboratory has an internationally recognized reputation for data reliability and has numerous accreditations for technical competence and quality management. Since 2005, our Calgary facility has been CALA-accredited in accordance with ISO/IEC 17025:2005.

Maxxam is also accredited by Canadian and US government agencies, including a number of SCC and NELAP primary and secondary accreditations and has AIHA and ASTM accreditations. These accreditations were awarded through on-site audits, check samples, round robin studies and strict compliance with the industry's standard operating procedures.

## Quality Assurance

Our Quality Management System (QMS) is based upon protocols published by regulatory bodies, including the U.S. EPA, Environment Canada and the California Air Resources Board. Maxxam's reputation for delivering reliable, timely data is one of the strongest in the industry.

Maxxam's QMS encompasses both quality assurance and quality control. More than 30 people are employed on Maxxam's Quality Assurance (QA) team as Regional Managers, Specialists and Coordinators. QA staff are responsible for carrying out the monitoring, documentation and training required by the company's QMS. To ensure independence, integrity and effectiveness of their functions, these employees report to the National Director of Quality, who reports directly to Maxxam's CEO.

Maxxam laboratories participate in many national and international proficiency testing and double blind check sample programs. Maxxam also works with customers and consultants to improve sample collection and transport procedures through monitoring and on-going training. Good quality data starts with samples collected properly and integrity maintained from the time of collection to receipt at the laboratory.

Maxxam is the Canadian market leader in analytical services and solutions to the energy, environmental, food and DNA industries and a member of the Bureau Veritas Group of companies – a world leader in testing, inspection and certification services. We support critical decisions made by our customers through the application of rigorous science and the knowledge and expertise of our over 2500 employees.

For more information please contact:

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