

Fast, Accurate, Reliable

Overview



Bubble Technology Industries (BTI) is a dynamic company with world-renowned expertise in the field of radiation and explosives detection. Located in Chalk River, Ontario, BTI has over 18,000 ft² of total space, including the Radiation Services department's four facilities dedicated to analysis and calibration.



BTI has been performing high-quality analysis and calibration work for numerous customers for over 15 years. Our recognized expertise and close customer relationships provide a proven track record of our capabilities. BTI's skilled services personnel perform survey meter calibrations, sealed source leak testing, radiological sample analysis, and radon monitoring quickly and cost-effectively. On-site consultations for dosimetry applications, environmental monitoring, and radiation surveys are also offered.



All radiation services and products are performed or manufactured within a quality management system that is ISO 9001 certified by BSI under certificate number FM 502976.

BTI performs certain radiochemical analyses and survey meter calibrations in accordance with the ISO/IEC 17025:2005 International Standard, *General requirements for the competence of testing and calibration laboratories*.



Survey Meter Calibration

- Beta/gamma/neutron meter calibration available for a wide variety of instrument types/manufacturers.
- All calibrations and verifications of calibrations use reference standards that are traceable to the SI through the National Research Council of Canada (NRC) or the National Institute of Standards and Technology (NIST).

Radiological Sample Analysis

- Canada's only classified/controlled (PWGSC-ISS), licensed (CNSC), ISO-registered commercial lab.
- With a variety of instruments available (offering α , β , and γ analysis) and unique sample processing techniques, BTI is well-equipped to efficiently and accurately perform client sample analysis.
- Wide variety of samples can be processed – environmental (water, soils, vegetation), biological (urine), industrial (building materials, concrete, ceramics, filters, radioactive standards).

Sealed Source Leak Testing

- Performed according to CNSC regulatory expectations and/or QMS requirements.
- Gross alpha/beta/gamma counting.

Radiation Monitoring and Consulting

- On-site decommissioning/contamination surveys.
- On-site workplace monitoring/environmental assessments.
- Specialized radiation training, instrument evaluation/selection.
- Radiation shielding design, license application renewals, Monte Carlo calculations.

Radon Monitoring

- Radon monitoring at cost-effective rates.
- EPA-style charcoal canisters. Alpha damage track long term monitors.



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Contact Us

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