

Fast, Accurate, Reliable



Bubble Technology Industries (BTI) is a global leader in providing advanced products, services and contract research for radiation-related applications. Located in Chalk River, Ontario, BTI has approximately 20,000 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 20 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 and sealed source leak testing quickly and cost-effectively. Consultations for dosimetry applications, CNSC document preparation, 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 17025:2017 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).



Sealed Source Leak Testing

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



Radiation Monitoring and Consulting

- Contamination Surveys
- Work Place Monitoring/Environmental Assessments
- Nuclear License Applications and Renewals
- Specialized Radiation Training
- Instrument Selection
- Radiation Shielding Design
- Monte Carlo Calculations



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