



The Power of Trust. The Future of Energy.

Chemical Technician 1 – Applied Chemistry

Powertech Labs Inc, BC Hydro's subsidiary that specializes in energy research, consulting, testing, and systems integration, has been serving power utilities, oil and gas companies, automotive, and electrical utility equipment manufacturers since 1989. We operate as a separate, unregulated, for profit, commercial company. In addition to providing innovative R&D, consulting and testing services to BC Hydro, Powertech provides the majority of its services to a large and diverse array of clients across North America, and around the world. Powertech is located on an 11-acre campus in Surrey, British Columbia and has 200+ employees. Our reach and reputation are global, and we are recognized as a leader in technology, testing, and power systems software. Our location places us close to BC Hydro, 25 kilometers from the US border, and at a gateway between Asian and North American markets. Finally, we are located in one of the most desirable locations on the globe, with all the natural beauty of British Columbia on our doorstep. We call this home.

Powertech's brand and reputation command a dominant position in the power industry. To better serve our clients, we group our services under six market-orientated sectors: Generation, Transmission and Distribution, Substations, Power Systems, Grid Modernization and Advanced Transportation. Powertech's competitive advantage is enhanced through close collaboration between all sectors.

The company's staff consists of professional engineers, scientists, technologists and technicians from a wide range of disciplines. These highly skilled individuals have access to 21 well-equipped, specialized laboratories. Together, the resources allow us to offer a range of forward-looking technology services to help clients advance technology, solve complex problems, and maximize asset performance.

Finally, we are customer-focused: To ensure our customers have high confidence in our services, we attract the best resources, are highly responsive and constantly strive to improve the quality and value of our services.

Role Overview

The position performs a variety of chemical analysis procedures and tests on water, soil, oils, fuels and lubricants in the laboratory.

Major Responsibilities and Duties

- Performs and oversees the testing and examination of specific items within the chemical discipline by investigating, recording measurements, operating specialized test instruments, determining parameters, locating failure points, troubleshooting, identifying and reporting causes of test equipment malfunctions and preparing related reports.
- Inspects various projects and products to ensure conformity to established standards, specifications and procedures; advises clients of approved procedures and applies standards or modifications of approved test methods and procedures; recommends corrective measures or advises project /laboratory leader of unusual problems.
- Provides technical assistance in the field of chemical analysis relating to water, soil, oils, fuels and lubricants.
- Advises, demonstrates and trains clients on specific techniques regarding meeting specifications and standards.
- Discusses and provides cost and time required for testing to customers.
- Drafts technical reports of results including supporting data and recommendations which may include preparing schematic and working drawings.
- May be required to perform all the functions of the Laboratory Technical Assistant job.
- Performs duties of a minor nature related to the above duties which do not affect the rating of the job. This includes the performance of duties across disciplines in a job of the same or lower job group.

Skills, Knowledge and Abilities Required

- Good working knowledge of how to prepare and test water, soil, oils, fuels and lubricants.

- Good working knowledge of chemical analysis procedures, testing standards and quality assurance principles.
- Working knowledge of how to calibrate and troubleshoot the related instrumentation.
- Good analytical skills.
- Ability to modify existing test methods to perform unique tests or achieve different results.
- Basic knowledge of trigonometry and calculus.
- Good knowledge of related testing standards and procedures.
- Good written and verbal communications skills.
- Good organizational and planning skills.
- Basic report writing skills.
- Working knowledge of related safety and WHMIS regulations.
- Basic knowledge of MS Office applications.

Experience, Training and Education

Completion of a Certificate of Technology in Chemistry from an Institute of Technology with 2 years of related experience working in a chemistry lab performing tests on water, soil, oils, fuels and lubricants.

Additional Information

- Must be able to perform repetitive computer-based tasks under minimal supervision
- Ability to operate gas chromatography (GC) instrumentation and process related data is preferred
- Experience working in an ISO 17025 accredited laboratory is preferred
- Experience with analyzing various matrices for polychlorinated biphenyls (PCBs) is an asset
- Basic operating knowledge of Laboratory Information Management Systems (LIMS) is an asset

Status: Full-Time Regular
Location: Surrey, B.C.
Compensation: Powertech Labs Inc. offers a very comprehensive total rewards package based on a healthy work/life balance
Job ID: CTECH2020.8
Close Date: January 26, 2020

Please be advised that this role has been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment.

To apply and to obtain more information on Powertech Labs Inc., visit our website at powertechlabs.com.