



The Power of Trust. The Future of Energy.

Chemical Technologist 2

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.

Powertech has an exciting and challenging opportunity for multiple **Chemical Technologists** to join a team of professionals based at Powertech Labs in Surrey B.C.

Role Overview

This position provides work leadership and laboratory leadership to other staff; project leadership in chemical testing and research projects; develops and prepares technical reports; liaises with others within the industry to secure future work for Powertech.

Major Responsibilities and Duties

- Acts as the chemical laboratory work leader for and performs the same duties as one or more technologists/technicians
- Provides project leadership through planning, organizing and undertaking applied chemical testing and research projects; develops and writes reports incorporating conclusions; designs and sets up experimental equipment or rigs; designs components, calibrates, maintains and troubleshoots laboratory apparatus and equipment
- Provides consulting services on matters such as explaining intent of specifications, problem solving, product substitutions, job sequencing, operational or equipment design constraints affecting job quality
- Develops and writes job instruction manuals and Powertech job specifications
- Performs administrative support functions such as budget preparation, variance reviews, planning work flow, recommending and overseeing repair procedures and organizing work with other areas of Powertech
- Liaises with others within the industry to secure future work for Powertech; discusses, negotiates and commits to costs and time involved in testing
- Designs, modifies and adapts novel equipment to perform new or unusual tests; conducts, commissions and accepts new equipment or apparatus
- 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

- Excellent working knowledge of qualitative/quantitative chemical analysis procedures for the testing of complex samples from a variety of sources
- Excellent working knowledge of how to prepare and test oils, fuels, lubricants, soils, water and composite material
- Good working knowledge of how to obtain on own and to provide advice and guidance to others on how to obtain soil and water samples
- Good working knowledge of how to calibrate, maintain and repair related chemical analysis instrumentation and equipment and apply accepted testing standards
- Excellent analytical and problem solving skills
- Excellent technical report writing skills
- Working knowledge of how to interpret and adapt chemical laboratory testing procedures
- Good working knowledge of chemical analysis procedures, testing standards and quality assurance principles
- 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 team leadership skills
- Excellent written and verbal communications skills
- Good organizational and planning skills
- Good project management skills
- Good marketing skills
- Good knowledge of related safety and WHMIS regulations
- Basic knowledge of MS Office applications

Experience, Training and Education

National Diploma of Technology from an Institute of Technology in the Environmental and Industrial Chemistry discipline with over 8 years of related experience. B.Sc. in a relevant discipline is preferred.

Additional Information

- In-depth knowledge and laboratory experience in one of the following three analytical chemistry disciplines (**Please indicate area of in-depth knowledge/specialization when applying**):
 1. Environmental,
 2. Tribology (lubricating fluids, fuels and coolants),
 3. Insulating fluids for electrical equipment
- A strong working knowledge of ISO 17025 accreditation requirements and laboratory QA/QC principles and practices
- A strong working knowledge of statistical methods and data interpretation
- Demonstrated experience with method development, validation and verification
- Expertise with writing and updating standard operating procedures (SOPs)
- Experience with operating and maintaining one or more of the following instruments: GC, GC-MS, HPLC, ICP
- Good understanding of laboratory information management systems (LIMS)
- Expertise in process improvement and optimization
- Possess an eye for detail (when necessary) yet stay focused on the big picture

Status: Full-Time Regular

Vacancies: Multiple

Location: Surrey, B.C.

Compensation: Powertech Labs Inc. offers a very comprehensive total rewards package based on a healthy work/life balance

Job ID: CT2019.1

Close Date: January 31, 2019

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 learn more about Powertech Labs Inc., visit us online at powertechlabs.com.