Non-Destructive Evaluation Specialist Leader 1

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 an NDE Specialist Leader 1 to join a team of professionals based in Fort St. John, B.C.

Sector Overview:

The Generation Technology and Testing business unit provides routine laboratory and field testing services, including inspection and safety equipment testing, condition assessment, generator testing and modelling, diagnostic testing of generator and motor stator bars and coils, non-destructive testing, material testing, and finite element analysis. Consulting and investigation offerings include asset management studies, failure investigation, and expert witness testimony. This business unit consists of laboratories for Applied Materials and Inspection Services.

Position Overview:

Provides project leadership and performs non-destructive testing on a variety of manufactured and processed components and equipment. Develops and prepares technical reports. Liaises with others within the industry to secure future work for Powertech. Provides work leadership over NDE Specialists and technicians.
Major Responsibilities and Duties:

- Provides project leadership through planning, organizing, and coordinating non-destructive testing projects and adapting and modifying a variety of laboratory and field nondestructive tests, processes, methods and techniques to equipment and components to identify flaws and/or related manufacturing/fabrication processes that have caused or may cause failures.
- Acts as a work/laboratory leader for and performs the same duties as one or more NDT Specialists/technicians.
- Develops and writes reports on test results by interpreting results, developing forms and supporting narratives and preparing recommendations to ensure codes and standards are met.
- Examines and assesses results of non-destructive test methods and techniques performed by others deciding upon the appropriateness and quality of test methods, techniques applied, results achieved and ensuring that related codes and standards are met.
- Participates in clients' training courses by testing and examining welds and providing technical explanations on probable defects.
- Liaises with others within the industry to secure future work for Powertech.
- Develops new testing apparatus and methods and prepares associated procedures.
- Maintains unit and mobile laboratory inventories; maintains records and organizes radiation protection control for non-destructive testing units.
- Provides technical direction, advice and guidance to others on the feasibility of applying various types of test apparatus and techniques in the performance of non-destructive testing.
- Performs duties of a minor nature related to the above duties that do not affect the rating of the job.

Technical Skills, Knowledge and Abilities Required:

- Excellent working knowledge of non-destructive testing principles and procedures.
- Working knowledge of how to inspect and test weld qualities, apply standards and related concepts of inspection and quality control methods.
- Good working knowledge of how to apply and interpret results of application of test equipment, instruments and procedures such as ultrasonics, magnetic particles, eddy current, acoustic emissions and dye penetrant.
- Ability to identify possible common defects related to the manufacturing and fabricating process.
- Good knowledge of engineering drawings.
- Good knowledge of how to maintain and calibrate NDT related instruments.
- Good working knowledge of the principles of radiation control and the handling of radiographic instruments.
- Good team leadership skills.
- Good organizational and planning skills.
- Good marketing skills.
- Good project management skills.
- Good knowledge of related safety and WHIMIS regulations.
- Ability to prepare technical reports.
- Ability to drive a vehicle with air brakes.

Experience, Training and Education:

Completion of a two year diploma in Non-Destructive Evaluation (NDE) from an accredited Institute of Technology; plus Level 2 CGSB certification in at least four of the five primary NDT methods (liquid penetrant, magnetic particle, radiographic, ultrasonic, and eddy current) or Level 2 CGSB certification in three of the five primary NDT methods plus Level 2 CWB certification as a Welding Inspector; plus eight (8) years of relevant experience.

Or completion of a two year diploma of technology in a field other than NDE, or formal trades qualification;
plus either Level 2 CGSB certification in at least four of the five primary NDT methods (liquid penetrant, magnetic particle, radiographic, ultrasonic, and eddy current) or Level 2 CGSB certification in three of the five primary NDT methods plus Level 2 CWB certification as a Welding Inspector; plus nine (9) years of relevant experience.

Or completion of a CGSB intermediate Certificate of Technology in Nondestructive Testing from an Institute of Technology; plus Level 2 CGSB certification in at least four of the five primary NDT methods (liquid penetrant, magnetic particle, radiographic, ultrasonic, and eddy current) or Level 2 CGSB certification in three of the five primary NDT methods plus Level 2 CWB certification as a Welding Inspector; plus ten (10) years of relevant experience.

Additional Information:

- This position is located in Fort St. John, BC. There is no fly in and fly out.
- Weld inspection certification to Canadian Welding Bureau (CWB) certification (minimum Level 2) and experience as a welding inspector is desirable but not mandatory.
- Strong verbal and written communication skills.
- Shift schedules anticipated with possible night shifts depending on workload.
- Spends a regular amount of the day, over 20% of time, exposed to all weather conditions while performing job functions.
- Works at construction and office site. May be required to work underground, up on scaffolding or up towers. Spends portions of the day on feet on rough terrain. May have to drive from site to site daily.
- Lesser qualified applicants will be given consideration and Powertech will support the right candidate in obtaining Level 2 Certification.
- Overtime is mandatory, approximately 300 hours.
- This location will be eligible for a Remote Incentive of 12%. Remote Incentives are paid bi-weekly to employees working in eligible remote locations.
- A condition of employment for this job is that you maintain the following requirements in good standing.
- Driver's license type required is Class 5

Status: Full-Time Temporary
Location: Fort St. John, B.C.
Compensation: Powertech Labs Inc. offers a very comprehensive total rewards package based on a healthy work/life balance.
Job ID: NDE12020.20
Affiliation: MoveUp
Close Date: March 9, 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 http://www.powertechlabs.com.