



**Job Title:** Maintenance Technician  
**Reports to:** Plant Manager  
**Location:** Mamquam Generating Station, Squamish, British Columbia

**Summary:** The Maintenance Technician is responsible for the safe and efficient operation and maintenance at the Mamquam facility, a hydro-power facility.

**Job Description:** With safety of yourself and all those around you as the highest priority, the Maintenance Technician is expected to:

- Maintain hydro-power plant equipment including turbines, generators, transformers, pumps, hydraulics, valves, diesel engines, air compressors, fire systems, mobile equipment, piping and other mechanical or electrical equipment;
- Engage in maintenance activities, troubleshooting and repairing equipment,
- Effectively using the Computerized Maintenance Management and Drawing Management Systems;
- Conduct safety and environmental inspections;
- Operate the plant, including monitoring all operational equipment through the use of PLC's, HMI's and visual observations;
- Perform other functions as required including clearing of intake screens, plant cleaning, snow removal, mobile equipment operation and other assorted tasks;
- Provide technical expertise, conduct pre-job briefings and post job debriefings, monitor tasks, assist other Technicians in investigating and resolving problems, and report incidents, accidents or safety concerns;
- Provide input to Management on business plans, site projects and maintenance plans as needed;
- Ensure the delivery of optional results against appropriate performance metrics such as budget targets, station unit availability, reliability and capacity;
- Identify process improvement or optimization opportunities; including researching and recommending product procurement options;
- Provide mentoring to fellow employees to achieve employee development goals and objectives and participates in plant committees or teams as requested, such as Health, Safety & Environmental, Emergency Response Planning, etc.;
- Monitor and analyze equipment performance and perform trend analysis and prepare reports concerning plant operation, production and maintenance activities;
- Coordinate maintenance and equipment outages with other Technicians, as required;
- Demonstrate a high level of performance and behavioral skills, including the ability to multi-task, to make independent decisions, to display strong verbal and written

communication skills, to maintain strong organizational skills, and to have the ability to manage in a dynamic high work volume environment with shifting priorities;

- Demonstrate a strong focus on safety, an interest in continuous improvement, strong team work skills, with an ability to establish effective working relationships with a variety of people;
- Available to participate in rotating on-call shift, requiring urgently reporting to the facility in the event of an unexpected issue while on call;
- Be willing to travel to other plants to assist as required, including travel by helicopter/plane.

**Requirements:**

***Education***

- Grade 12 diploma or G.E.D;
- Trade certificate (millwright, heavy duty mechanic, industrial electrician, power engineer, etc.) Relevant experience will also be considered.

***Experience***

- Valid BC Driver's License;
- Experience in the operations and maintenance of hydro-electric generating facilities would be considered an asset;
- Minimum Five (5) years' experience in industrial environment.

***Work Process Skills***

- While engaged in company business, employees are expected to conduct themselves in a courteous business-like manner, showing respect and consideration for fellow employees and other site personnel, such as contractors and guests;
- Cooperate with your co-workers in a manner that is positive and constructive; accept that there are different opinions and ideas; discuss issues in a professional manner looking for solutions that can be resolved at your level;
- To communicate work related issues along with recommended solutions to your coworkers and/or supervisor in a timely and professional manner;
- Be accepting of changes to your day to day routing as the business needs dictate;
- To be appropriately dressed and ready for work prior to the start of a working shift through to the end of the shift;
- Comply with all Atlantic Power policies and procedures.

***Physical Requirements***

- Ability to perform manual tasks including but not limited to operation of hand and power tools;
- Ability to lift at least 80 lbs.;
- Ability to bend and maneuver in tight, cramped quarters;
- Ability to work in hot, noisy and dark environments;
- Ability to work at heights;
- Ability to work with and wear respiratory protection;
- Ability to reach with hands and arms above shoulder level and at shoulder level;
- ability to walk, stand, stoop, kneel, and bend for prolonged periods of time;

- Able to grip and manually manipulate, often with repetitive motion, items such as, but not limited to, hand tools and machine parts;
- Ability to communicate clearly with plant personnel, including the ability to give and receive instructions over a radio;
- Ability to see clearly; safely and readily identifying the labels, gauges, dials and indicators typically encountered in performing job duties;
- Ability to read, write and understand instructions and procedures in English;
- Ability to work outside of a normal shift rotation during call-outs or planned maintenance outages.