

Job Title: Operator/Mechanical Technician

Location: Squamish BC Canada

Reports to: Plant Manager

Summary: The Operator/Mechanical Technician is to be part of a team that is accountable for all operations and maintenance activities at the Mamquam Hydro-Power plant; engaging in maintenance activities, trouble shooting and repairing equipment, effectively using the Computerized Maintenance Management and Drawing Management Systems, developing maintenance and operational procedures and training manuals, conducting safety and environmental inspections, operating the plant, taking call once trained sufficiently, managing on site contractors, communicating with BCH Hydro, administering the worker protection system, and other related duties as assigned.

The Operator is accountable to the Plant Manager and Plant Foreman and operates within the context and prescribed limits established by plant management.

Job Description: With safety as a priority, the Operator is expected to become competent to perform the following tasks during his/her prescribed apprentice term:

- Maintain hydro-power plant equipment including turbines, generators, pumps, hydraulics, valves, diesel engines, air compressors, fire systems, mobile equipment, intake screen cleaner, air blowers, piping and other mechanical equipment.
- Operate the plant monitoring all operational equipment including PLC's HMI's, transducers, level gauges, plant ramping, intake screen cleaning, snow clearing, mobile equipment operation and other assorted tasks.
- Provide scheduling and assist in providing technical expertise, conduct pre-job briefings and post job debriefings, assist colleagues to resolve problems, monitor tasks, assist other Technicians in investigating and resolving problems, and reporting incidents, accidents or safety concerns,
- Provide input to the Operations Management on business plans and corporate direction, and ensure on-going appropriate relationships with other employees and contractors;
- 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; researches 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;
- Assist the Plant Administrator and the other Technicians in the performance of their duties as required;
- Demonstrate a high level of performance and behavioral skills, including the ability to multi-task, and make independent decisions, strong verbal and written communication skills, strong organizational skills, with 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;
- Be willing to travel to other plants to assist as required. Must be able to fly in helicopters/planes;

Requirements:

Education

- Grade 12 diploma
- Trade certificate (millwright, heavy duty mechanic, etc...).
- Power Engineering would be an asset.
- Experience in the operations and maintenance of hydro-electric generating facilities would be considered an asset.

Technical Skills

- Mechanical troubleshooting skills
- Self-starter, able to solve problems without help
- Strong computer skills;
- Proficient technical report writing skills
- Valid driver's license

Work Process Skills

- Positive attitude – willing to be challenged and try new ideas.
- While engaged in company business, employees are expected to conduct themselves in a courteous businesslike manner, showing respect and consideration for fellow employees and other site personnel;
- It is expected that employees cooperate with fellow employees and other site personnel to provide a productive and safe work environment;
- 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;
- Communicate your intentions to your peers/supervisor in a manner that is positive and constructive;
- 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, and all applicable laws and regulations.