

Position:	Hydroelectric Plant Technician / Operator	Incumbent:	
Division:	Kruger Energy	Sector/Department:	Operations
Location:	Zeballos, British Columbia	Date:	June 2018

AN070

NATURE AND SCOPE OF POSITION

POSITION SUMMARY

Maintain, operate, and repair hydroelectric power generating stations to maximize electricity generation to fullest extent possible.

REPORTING

The **Hydroelectric Plant Operator** reports directly to the **General Manager – Ontario & West Coast**. The **Hydroelectric Plant Operator** has no direct reports.

ACCOUNTABILITIES

- Operate controls and monitor hydroelectric generating units and auxiliary equipment, such as the head gate, power houses, substations, switch station, and gas/diesel support equipment.
- Test, troubleshoot and diagnose malfunctions or failure of electrical, instrumentation, communication (internet/Modbus etc.) or mechanical issues for equipment under operation.
- Perform preventative maintenance to electrical and mechanical equipment such as motors, transformers, voltage regulators, generators, battery systems, air compressors, sump pumps, gates and valves to correct malfunctions.
- Test and perform minor repairs on equipment.
- Maintain electrical drawings, equipment files, sketches, reports, logs and records.
- Take daily readings and record data such as water level, temperature level and flow rate.
- Assist with penstock, transmission line and other site inspections.
- Perform and oversee vegetation management of the site.
- Maintain and repair physical surroundings, including the mobile trailer and vehicles.

TYPICAL PHYSICAL DEMAND

- Regularly walks, stands, reaches, stoops and sits to access equipment using feet, legs and hands to reach, inspect, adjust, and repair equipment.
- Regularly reaches and grasps hand tools and other objects using manual dexterity and eye-hand coordination to adjust, install and connect electrical equipment.
- Regularly climbs up/down stairs and uneven surfaces carrying up to 50 pounds.
- Regularly climbs ladders, walks on or near pipe using manual strength to maintain body equilibrium to balance and prevent falling while accessing equipment.


- Regularly works in outside weather conditions and is exposed to extreme cold and heat. The noise level is occasionally very loud.
- Frequently exposed to high voltage and other electrical hazards while removing electrical equipment.
- Must be able to work at heights.
- Must be able to work / travel over water by boat or barge.
- Must be able to work alone.
- Must be able to work flexible shift patterns to support the operation. Currently this is an 11.5hr day, over a 7 day on / 7 day off rotation.

QUALIFICATIONS

- Diploma in Electromechanics or equivalent.
- Preferred Electrician or Instrumentation mechanic with red seal trades ticket
- In good physical shape and able to perform the rigorous physical demands of the position.

Every employee must implement Kruger environmental policy in their daily tasks. In particular, employees are responsible to abide by legal and corporate environmental requirements, and must adhere to all environmental procedures. Every employee is responsible to report all environmental incidents and any potential environmental hazards.

Every employee has the duty to take the necessary measures to protect their health and safety, as well as the safety of others in their work environment. Every employee should participate in the identification and elimination of hazards at work.

Position description approved by:			
Incumbent:		Date:	
Supervisor:		Date:	