

Job Title: Control Room Operator

Location: Frederickson

Reports to: O&M Manager

Summary: The Plant Operator is responsible for the safe, compliant and efficient operation of the plant in accordance to company policies, procedures and requirements.

Job Description: With safety as a priority, the Control Room Operator is expected to perform the following tasks:

- Monitor plant equipment to ensure proper operation and identify developing trends.
- Quickly respond and take corrective action to plant alarms.
- Ensure work orders are written on faulty or unsafe equipment.
- Perform PM inspections as required.
- Perform water chemistry tests and adjust the chemical feed as needed.
- Monitor and maintain operating levels in equipment.
- Perform daily reporting activities.
- Perform daily and real time dispatch functions.
- Coordinate shift maintenance and operations activities.
- Generate, hang, clear and administer Lock Out Tag Outs (LOTOs)
- Coordinate safety work permits (confined space, hot work, test operate, etc.)
- Perform assignments received from the O&M Manager.
- Perform other various tasks as designated by O&M or Plant Manager.
- Effectively apply and support safety practices. Recognizes and communicates safety hazards, including stop work scenarios for the protection of fellow workers, contractors and the public.
- Effectively perform as required:
 - Starting up and safely shutting down, isolating or by-passing all plant equipment including turbines, boilers, generators and switch gear.
 - Thorough understanding of all plant systems.
 - Coordination the proper distribution of electrical and thermal power to meet all contractual obligations whenever possible.
 - Ability to clearly, accurately and orderly convey timely information required for reliable and safe operations.
 - Filling out the daily plant log sheets and log book.
 - Maintain a safe working conditions and proper housekeeping at all times
 - Ability to perform trouble shooting when necessary

Core Competencies:

- Effective communication
- Adaptability/ flexibility
- Creative and innovative thinking
- Decision making and judgement
- Results oriented

- Ethics and integrity
- Leadership
- Development and continual learning
- Time management
- Computer skills
- Technical and creative writing ability

Requirements:

- Local License, where necessary
- High School diploma
- Valid driver's license
- Six (6) years' Operator experience in a power plant environment; technical training and previous success in performing technical functions in a power plant environment.
- Six (6) years' gas/steam/power turbine operations or maintenance experience.
- Six (6) years' steam turbine operations or maintenance experience.
- Four (4) years' boiler operations or maintenance experience
- Ability to understand DCS and PLC ladder logic
- Ability to run trends to proactively diagnose potential issues
- Ability to learn the principles and operations of power plant equipment.
- Basic knowledge and understanding of the fundamental principles related to physics, mathematics, AC and DC electrical theory, heat transfer and fluid flow, thermodynamics, chemistry and metallurgy.
- Ability to understand and read mechanical and electrical drawings such as P&IDs, single line diagrams, schematics and logic's.
- Knowledge of power plant safety, especially in areas such as chemical handling, high energy systems, incident energy/ arc flash, confined spaces, incipient fire suppression, first aid, rotating machinery, and heavy equipment operations.
- Ability to operate valves, switches, controls, keyboards and other devices associated with power plant and material handling equipment, as well as basic hand, portable and pneumatic tools and basis rigging equipment.
- Ability to read, write and communicate in the English language and perform mathematical computations
- Ability to perform the physical requirements and aspects of the jobs such as:
 - Ability to lift at least 80 lbs.
 - Ability to climb stairs and ladders.
 - Ability to bend and maneuver in tight, cramped quarters.
 - Ability to work in hot, noisy and dark environments. Ability to work in high places.
 - Ability to work with and wear respiratory protection.
 - Ability to communicate clearly with plant personnel. Ability to give and receive instructions over a radio and P.A.
 - 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.
 - Ability to work in outdoor elements.
 - Ability to work various hours for emergency coverage.