



Provincial Job Description

TITLE:
(008) 3rd Class Power Engineer

PAY BAND:
14

FOR FACILITY USE:

SUMMARY OF DUTIES:

Maintains, operates and repairs a 3rd Class plant/energy centre system.

QUALIFICATIONS:

- ◆ Power Engineering Technology diploma
 - ◆ 3rd Class Power Engineer certificate

KNOWLEDGE, SKILLS & ABILITIES:

- ◆ Intermediate computer skills
- ◆ Intermediate knowledge of mechanical and electrical trades
- ◆ Organizational, communication and interpersonal skills
- ◆ Ability to work independently
- ◆ Ability to read blueprints and schematics

EXPERIENCE:

- ◆ Previous: No previous experience.

KEY ACTIVITIES:

A. Plant / Energy Centre Operation

- ◆ Operates and services building/plant (e.g., boilers, fans, cooling towers, chillers, HVAC, automation systems, emergency power, fire systems, ventilation units, call systems) within code requirements.
- ◆ Maintains and services water systems (e.g., tests, analyzes and logs pumps, converters, heat reclamation system, piping).
- ◆ Mixes chemicals.
- ◆ Removes and replaces parts (e.g., pipes, valves, sight glasses, safety valves, pumps, packing and mechanical seals).
- ◆ Prepares shift reports.
- ◆ Performs daily boiler chemical tests, calculates impurities, adds chemicals as necessary.
- ◆ Performs daily equipment checks.
- ◆ Maintains and repairs boilers (e.g., shut downs, boiler inspection, replace parts).
- ◆ Monitors and maintains pneumatic control system.
- ◆ Monitors and responds to plant alarms.
- ◆ Liaises with outside contractors, vendors and inspectors.
- ◆ Repairs electrical equipment and wiring.

B. Preventative Maintenance

- ◆ Performs preventative maintenance tasks on all plant/energy centre equipment and systems.
- ◆ Performs preventative maintenance tasks on other equipment throughout the facility as per preventative maintenance program, where required.
- ◆ Maintains maintenance logs and records.

C. Related Key Work Activities

- ◆ Maintains a clean work area.
- ◆ Prepares daily reports.
- ◆ Assists tradespersons with repairs to plant.
- ◆ Maintains inventory (e.g., orders parts and chemicals).
- ◆ Participates in renovation projects.
- ◆ Locks / unlocks doors and performs security checks, where required by the job.
- ◆ Performs general maintenance activities throughout the facility (e.g., kitchen, laundry, housekeeping, beds, call system), where required by the job.
- ◆ Performs minor plumbing, mechanical, carpentry and welding duties, where required by the job.
- ◆ Maintains medical gas systems, where required by the job.

- ◆ Provides occasional guidance to the primary function of others, including training.

The above statements reflect the general details considered necessary to describe the principal functions of the job and shall not be construed as a detailed description of all related work assignments that may be inherent to the job.

Any revisions of this document recommended by the Joint Job Evaluation Maintenance Committee must be approved by the Parties.

Validating Signatures:

CUPE:

SEIU:

SGEU:

SAHO:

Date: 2005

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