



# *Provincial Job Description*

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**TITLE:**  
**(087) 4<sup>th</sup> Class Power Engineer**

**PAY BAND:**  
**13**

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***FOR FACILITY USE:***

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***SUMMARY OF DUTIES:***

**Maintains, operates and repairs boilers in a plant/energy centre.**

***QUALIFICATIONS:***

- ◆ **Power Engineer Technician certificate**
  - ◆ **4<sup>th</sup> Class Power Engineering certification**

***KNOWLEDGE, SKILLS & ABILITIES:***

- ◆ **Intermediate computer skills**
- ◆ **Intermediate knowledge of mechanical and electrical trades**
- ◆ **Organizational skills**
- ◆ **Communication skills**
- ◆ **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, water softeners, chillers, HVAC, automation systems, fire systems, call systems, emergency power) within code requirements.
- ◆ Performs daily boiler chemical tests, calculates impurities, adds chemicals as necessary.
- ◆ Maintains and repairs boilers (e.g., shutdown, boiler inspection, replace parts).
- ◆ Maintains and services hot water systems (e.g., pumps, converters, heat reclamation system, piping).
- ◆ Monitors and maintains pneumatic control system.
- ◆ Monitors and responds to plant alarms.
- ◆ Liases with outside contractors.
- ◆ Repairs electrical equipment and wiring.
- ◆ Maintains ventilation units.

### **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.
- ◆ Maintains maintenance logs and records.

### **C. Related Key Work Activities**

- ◆ Participates in renovation projects.
- ◆ Locks / unlocks doors and performs security checks.
- ◆ Performs general maintenance activities within and outside the facility.
- ◆ Performs minor plumbing, mechanical, carpentry and welding duties.
- ◆ Maintains medical gas systems.
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Maintains a clean work area.
- ◆ Responds to emergencies.

*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.*

***Validating Signatures:***

***CUPE:***

***SEIU:***

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***SGEU:***

***SAHO:***

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***Date: February 12, 2019***