

# Shift Charge Engineer

**Revision Date:** October 2001

**Classification:** Shift Charge Engineer

**Unit:** UNIFOR

**Hay Point Range:** N/A

## CHARACTER OF THE JOB

The Physical Plant Department is responsible for the entire physical operation of the University including construction, renovations, provision of utility services and the care and maintenance of all properties.

Under general supervision the Shift Charge Engineer is directly responsible for the continued safe and efficient operation of the power plant including the operation and maintenance of all boilers, chillers, oil storage and transfer, utility services, water treatment systems, computerized building control systems, energy recovery systems and all other related equipment. The Shift Charge Engineer is required to work rotating shifts which include both operating and maintenance. The Shift Charge Engineer is responsible for making crucial decisions in the event of an emergency.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

- Maintains the operation and surveillance of: all boilers, chilled water and ancillary equipment, related control panels, utility services and building control systems.
- Carries out all required operational changes, safety inspections and procedures, boiler blow down, fuel transfers, chemical tests, feedwater analysis, building systems control etc.
- Maintains an operating log and provides operating data, graphs, etc. pertinent to the efficient operation of the plant.
- Overhauls and repairs steam, chilled water, oil and water treatment equipment, and ancillary equipment.
- Cleans the plant and equipment including the inside and outside of boilers.
- Acts as a liaison and directs the Assistant Engineers.
- Provides training to other Engineers as required.
- Acts as a communication centre: relays messages, transmits and receives information and initiates the appropriate actions.
- Performs maintenance and repair work on all plant equipment.
- Upgrades and improves existing equipment.
- Assist in the installation and setup of new and existing equipment.
- Responsible for monitoring an inventory of required parts and material.
- Sets up and maintains a preventive maintenance system for all related equipment.
- Develops new and improved operating and reporting systems and procedures.
- Maintains time and material records on individual plant equipment.
- Establish a good line of communication with all Powerhouse personnel.

- Performs other related duties as assigned.

## **QUALIFICATIONS REQUIRED**

The minimum qualifications necessary for acceptable (satisfactory) job performance are:

### **Level of Formal Education**

- Valid Manitoba 2nd Class Power Engineer's Certificate.
- Must hold a valid Manitoba Driver's License - Class 5.

### **Experience**

- Significant related experience in plant of comparable capacity.

### **Skills and Abilities**

- Alertness and the ability to react quickly to all situations.
- Good communication skills.

### **Physical Requirements**

- Capable of performing the duties as assigned.

This class specification is intended to illustrate the characteristics of this classification level and should not be interpreted as a description of any one individual position within this classification level.