
FACILITIES SUBSECTOR COLLECTIVE AGREEMENT BENCHMARK

Job Family: Maintenance

Class Series: Power Engineers

Grid: MA27

Class Title: Chief Power Engineer 4

I. Level Definition

Positions at this level oversee the operation of a power plant or a low pressure steam plant in compliance with applicable codes and regulations. Supervises 4th Class Power Engineers and other designated staff; performs administrative functions such as budget preparation and formulation of department policies and procedures.

II. Typical Duties

- (1) Monitors expenditures for assigned area, makes recommendations regarding budget for assigned area and evaluates and selects equipment and supplies.
- (2) Oversees and updates standards and procedures; ensures safety practices and procedures are adhered to.
- (3) Supervises 4th Class Power Engineers and other designated staff by performing duties such as scheduling and coordinating work assignments, evaluating employee performance and determining related training and orientation requirements.
- (4) Operates steam, hot water heating boilers, expansible fluid and air conditioning systems, including starting up and shutting down boilers and related pumps, fans, air compressors, pneumatic systems; monitors and adjusts temperature control system, pressure and feed water levels; monitors and records meter and gauge readings to ensure distribution of steam/air heating to designated areas.
- (5) Monitors and adjusts physical plant and heating, ventilating and air conditioning systems by operating a variety of mechanical, pneumatic and/or electronic control systems and performing such tasks as altering systems operating parameters and schedules; repairs and calibrates various instrumentation components of the steam and HVAC systems; maintains required documentation.
- (6) Monitors and adjusts chemical treatment systems.
- (7) Performs preventative and demand maintenance on steam, hot water heating boilers, expansible fluid, ventilation and air conditioning systems by lubricating, repairing, replacing or installing equipment and/or parts such as pumps, fans, air compressors, heaters, refractories, pneumatic systems, valves, bearings and seals.
- (8) Tests and maintains auxiliary power generators and repairs/adjusts as required.
- (9) Performs testing on boiler systems such as combustion and water treatment analyses.
- (10) Maintains, repairs, replaces and extends steam piping systems including components of the physical plant such as expansion joints, valves, steam traps, strainers, heat exchangers, gauges and insulation.
- (11) Answers service and emergency calls for sterilizers and a variety of building systems such as fire protection, medical air, vacuum and gases; resets systems, assesses and performs required repairs or calls in appropriate person.
- (12) Ensures compliance with various codes and regulations applying to power engineering by providing direction in relation to plant safety to all persons working within the power plant.
- (13) Performs other related duties as assigned.

III. Qualifications

(1) Education, Training and Experience

Certificate of competency as a 4th Class Power Engineer recognized by the Province of B.C. Three years' recent related experience including one year in a supervisory position or an equivalent combination of education, training and experience.

(2) Skills and Abilities

- (i) Ability to communicate effectively both verbally and in writing.
- (ii) Ability to deal with others effectively.
- (iii) Ability to read and interpret blueprints, drawings and specifications.
- (iv) Physical ability to carry out the duties of the position.
- (v) Ability to operate related equipment.
- (vi) Ability to supervise.