

POWER ENGINEER 3RD CLASS

NATURE OF WORK

This is skilled work in the operation, maintenance, and repair of equipment and machinery in the main campus boiler room and related areas.

Employees in this class operate, maintain, and keep in good running order all machines and equipment for which they are responsible. Work involves the safe and efficient operation and maintenance of medium temperature hot water heating systems and related equipment. Work also involves performing a variety of general maintenance duties as assigned. Employees in this class have opportunity for the exercise of independent judgement and decision within well established regulations and policies. Work is supervised by technical superior and reviewed by observation of results.

ILLUSTRATIVE EXAMPLES OF WORK

Operates a medium temperature hot water heating system; inspects oil fired and electric boilers, compressors, motor, pumps, expansion tanks, hot water tanks, and other mechanical and electrical equipment for proper operation; makes necessary repairs to equipment; adjusts air and fuel supply; maintains correct temperatures and pressure; replaces fuel tubes and belts on burner motors; greases and oils equipment.

Maintains log books; keeps records of fuel consumption, temperature, pressures, and routine operations around the plant.

Inspects and maintains emergency power equipment.

Cleans boiler tubes; removes soot and ashes from furnaces; cleans boiler room equipment; keeps boiler room clean and orderly; assists in preparing boilers for annual inspection, entailing complete and refitting of boilers.

Performs related work as required.

REQUIREMENTS OF WORK

Considerable experience in stationary engineering including some experience in general maintenance work; graduation from high school; or any equivalent combination of experience and training which provides the following knowledge, abilities, and skills:

Knowledge of the operation of medium temperature hot water heating systems and auxiliary equipment.

Knowledge of the operation of low pressure steam boilers.

Knowledge of pertinent laws and regulations.

Knowledge of the tools, methods, and practices used in maintaining boilers and auxiliary equipment.

Knowledge of the occupational hazards and safety precautions involved in the operation of low pressure steam or medium temperature hot water heating systems and related equipment.

Ability to understand and follow oral and written instructions.

Ability to detect malfunctions in equipment operation and to effect necessary repairs or take appropriate action.

Ability to perform mechanical and utility repair work.

Possession of valid third class stationary engineering's certificate issued by the Province of Newfoundland and Labrador.

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