

Class Specification  
for the Class:STEAM PLANT OPERATOR I  
BC-05; BU:01Duties Summary:

Operates and maintains high-pressure steam boilers and auxiliary equipment; makes minor repairs; and performs other duties as assigned.

Distinguishing Characteristics:

This class is distinguished by its responsibility to operate and maintain high-pressure steam boilers and auxiliary equipment such as fuel oil pumps, recording instruments, water pumps, electric motors, regulators, timing mechanisms, compressors, generators, etc. The work includes the performance of preventive maintenance tasks as required, minor repairs, and assisting skilled tradesworkers in the performance of more difficult repairs.

Examples of Duties:

Operates and maintains high-pressure steam boilers and auxiliary equipment; performs operator's checks of water, fuel, reports any leakage of water, fuel, etc., fuel check valve, checks gauges and reports any unusual reading, pilot light, electric eye, burner nozzle, etc.; adds prescribed amount and combination of chemicals to the boiler feed water; makes adjustments on chimney baffle and air and fuel pressure screws or adjusts operation of fuel oil pumps for optimum combustion; adjusts electrode gaps for optimum sparking and starting; makes minor repairs such as removing and replacing defective gaskets, pipelines, valves, worn bearings, etc.; assists skilled tradesworkers with the more difficult repairs; performs daily and periodic preventive maintenance tasks, such as oiling and greasing motors and auxiliary equipment, cleaning burner nozzles, fuel oil filters, regulators, and steam storage tanks and tubes, repainting storage tanks and other equipment; keeps records of operations and conditions of boilers and equipment; may assist building maintenance workers by performing unskilled and semi-skilled tasks.

Knowledges and Abilities Required:

Knowledge of: The operation and maintenance of high-pressure boiler and auxiliary equipment; tools, materials and equipment used in steam power plants; Federal and State OSHA safety standards relating to high-pressure boilers.

Ability to: Operate and maintain high pressure steam boilers and auxiliary equipment such as fuel oil or water pumps, electric motors, fans, compressors, etc.; detect malfunctions and use hand tools to make minor repairs of mechanical equipment; keep operating records; read and follow directions for simple chemical analysis tests; use simple math such as multiplication and division to compute the amount of chemicals to add to the boiler feed water based on the results of tests and volume of water in the boilers; follow oral and written instructions; perform heavy lifting, moving and other manual work characteristic of the class.

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This is an amendment to the specification for the class STEAM PLANT OPERATOR I to include reading of gauges and instruments for generators, effective January 18, 2005.

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This is an amendment to the specification for the class Steam Plant Operator approved on November 29, 1984 and a change in title to STEAM PLANT OPERATOR I.

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This class is adopted from the State of Hawaii, relative to the transfer of classification and compensation jurisdiction to the Hawaii Health Systems Corporation, effective July 1, 1998, pursuant to Act 262, Session Laws of Hawaii, 1996.

DATE APPROVED: January 18, 2005

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