

Specification for Class of

STATIONARY ENGINEER 1

Abolished Effective July 1, 2007

Definition: Responsible for overall operation and maintenance of low-pressure steam or hot water heating and auxiliary boiler room equipment or tends high-pressure power boiler system consisting of one or more boilers up to 150 h.p. each.

Typical Work

Fires boilers and maintains proper steam pressures and water levels; adjusts equipment to maintain flow of steam or hot water to meet load requirements; tends boiler feedwater pumps, vacuum pumps, circulating pumps, water treatment system, and other boiler room equipment.

Blows down, washes, cleans, and paints boilers and tanks; scrapes and cleans flues; cleans, oils, adjusts, and makes minor repairs to boiler room equipment;

Repairs and maintains air compressors, fans, and other mechanical equipment located throughout institution or building;

Takes water temperature, pressure, fuel consumption, and other readings from meters and recording devices and records them in shift log;

Takes boiler water samples; runs required tests and adjusts chemical feed or adds chemical by hand when required;

Performs variety of manual and janitorial tasks in and around boiler room;

May supervise patients or students;

Performs other work as required.

Knowledge and Abilities

Knowledge of: boiler law; methods, fuels, materials, and tools used in operation and maintenance of high-pressure boilers and auxiliary equipment; boiler room safety; heating, lighting,

ventilation, and other related mechanical equipment; standard types of automatic controls.

Ability to: test and analyze operation of steam boilers and auxiliary equipment; instruct and supervise others; keep records; make written reports; perform heavy manual labor; work under and withstand elevated ambient temperature.

Minimum Qualifications

Two years of experience in the operation, maintenance and/or repair of stationary or marine high-pressure boilers and heating systems.

OR

Certificate of completion of an advanced Stationary Engineer course from an accredited vocational/technical school or community college and one year of experience in the operation, maintenance and/or repair of stationary or marine high-pressure boilers and heating systems.

Note: Designations of boilers shall be as defined in the Washington Boilers and Unfired Pressure Vessels Law.

In some positions in this class, a municipal steam engineer's license may be required.

Revised May 1, 1968

General revision

Revised September 24, 1974

General revision

Revised January 15, 1988

Revises minimum qualifications, general revision