

STATE OF NEBRASKA CLASS SPECIFICATION
STATIONARY ENGINEER SENIOR

EST: 08/70 - REV: 6/10
CLASS CODE: M84582

DESCRIPTION: Under limited supervision, performs skilled work in the operation and tending of high pressure boilers and related equipment in a power plant and may be in responsible charge during shift. Operates equipment, such as steam engines, generators, motors, turbines, and steam boilers. Performs related work as assigned.

DISTINGUISHING CHARACTERISTICS: (A position is assigned to this class based on the scope and level of work performed as outlined below.)

This is the second level in the series of three (Stationary Engineer, Stationary Engineer Senior, and Stationary Engineer Supervisor). At this level, incumbents work individually while performing skilled boiler maintenance tasks and may lead others and/or be placed in charge of a shift.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Operate or tend stationary engines, boilers, and auxiliary equipment such as pumps, compressors, and air-conditioning equipment, to supply and maintain steam or heat for buildings, marine vessels, or pneumatic tools.

Observe and interpret readings on gauges, meters, and charts registering various aspects of boiler operation to ensure that boilers are operating properly.

Test boiler water quality or arrange for testing and take necessary corrective action, such as adding chemicals to prevent corrosion and harmful deposits.

Activate valves to maintain required amounts of water in boilers, to adjust supplies of combustion air, and to control the flow of fuel into burners.

Monitor boiler water, chemical, and fuel levels, and make adjustments to maintain required levels.

Fire coal furnaces by hand or with stokers and gas- or oil-fed boilers, using automatic gas feeds or oil pumps.

Monitor and inspect equipment, computer terminals, switches, valves, gauges, alarms, safety devices, and meters to detect leaks or malfunctions and to ensure that equipment is operating efficiently and safely.

Analyze problems and take appropriate action to ensure continuous and reliable operation of equipment and systems.

Maintain daily logs of operation, maintenance, and safety activities, including test results, instrument readings, and details of equipment malfunctions and maintenance work.

Adjust controls and/or valves on equipment to provide power, and to regulate and set operations of system or industrial processes.

May respond to facility fire alarms or to problems with the fire alarm system to ensure efficient operation of the system and the safety of facility residents, staff, and visitors.

May perform semi-skilled to skilled building and equipment maintenance to assist the facility maintenance staff.

M84582 – STATIONARY ENGINEER SENIOR (continued)

May conduct security rounds of the facility to ensure the safety and well-being of facility residents, workers, and visitors.

May perform groundskeeping duties at the facility to maintain a pleasing appearance to the grounds.

May lead or supervise lesser skilled operators in performance of above duties.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)

Knowledge of: the standard operation, maintenance, and repair of boilers and related equipment; the occupational hazards and safety precautions of power plant operations; preventative maintenance procedures used in power plant operations; power plant policies and procedures; safe use of fertilizers, insecticides, and herbicides, as necessary the standard practices, tools, equipment, and materials associated with grounds maintenance and building and mechanical trades,.

Skill in: the use of tools and equipment necessary to perform boiler equipment maintenance, grounds maintenance, building maintenance, and/or mechanical maintenance.

Ability to: perform semi-skilled maintenance and repair of boilers and related equipment; operate boilers and related equipment in a safe manner; troubleshoot and identify problems and to recommend a possible course of corrective action; use/operate hand and power tools and equipment in a safe manner work in adverse conditions including high temperatures and confined spaces; understand and follow instructions.

MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

One year of experience maintaining and repairing boilers in a large scale environment.

SPECIAL NOTES:

State agencies are responsible to evaluate each of their positions to determine their individual overtime eligibility status as required by the Fair Labor Standards Act (FLSA).

A current water system operator's license may be required.

Incumbents will be exposed to plant hazards such as fumes, heat, noise, and high pressure and high speed equipment.