

DESCRIPTION: Under general supervision, performs semi-skilled maintenance tasks in the operation and tending of boilers and related equipment in a power plant at a state facility. 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 first level in the series of three (Stationary Engineer, Stationary Engineer Senior, and Stationary Engineer Supervisor). At this level, incumbents work individually while performing semi-skilled boiler maintenance tasks, or work as a member of a work shift assisting skilled boiler operators.

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.)

Operates and maintains boilers in manual or automatic mode to ensure efficient production of heat and power.

Operates and maintains related equipment, such as de-aerating tanks, condensate tanks, condensate transfer pumps, feed-water pumps, water softeners, compressors, and generators, necessary to the proper operation of the boilers.

Operates and maintains equipment necessary to the proper operation of related utility systems, such as potable water, sewer, and electrical.

Assists in taking and recording temperature, pressure, and chemical readings; assists in adjusting water levels as necessary; assists in mixing and feeding chemicals for water treatments as necessary.

Assists in disassembling boilers for cleaning and inspection, dismantling and cleaning valves and installing new packing as necessary, cleaning and repacking pumps and installing new gaskets as necessary, and checking and replacing insulation as necessary to ensure optimum working condition of boilers and related equipment.

Greases and oils pumps, valves, and motors as necessary as a preventative maintenance measure; paints boilers, pipes, and related equipment as necessary; assists in repairing boilers, pumps, valves, motors, and related equipment as necessary.

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.

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.

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.)

Training and/or experience in boiler maintenance, operations and repair.

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).

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