

MORGAN STATE UNIVERSITY

JOB SPECIFICATON



STATIONARY ENGINEER 3RD GRADE

Class Code: 00831
Pay Range: 06

FLSA Code: N/E (Non-Exempt)

JOB SUMMARY

Under general supervision, assists higher level stationary engineers in the maintenance of well-functioning boilers and furnaces in a boiler plant. Has charge of the operations and maintenance of a boiler plant facility in which the largest boiler is rated not more than 10 pounds of steam pressure or more than 240 hot water degrees and is responsible for safe and efficient operation of equipment.

PRIMARY DUTIES

1. Records data such as temperature of equipment, hours of operation, fuel consumed, temperature or pressure, water levels, voltage load and generator balance. Records operation and maintenance actions taken during shift in operator's logbook.
2. Performs water titration tests and pours prescribed chemical additives such as water softener.
3. Adjusts manual controls or overrides automatic controls to bring equipment into recommended ranges, following well-defined standards. Switches to backup equipment or systems and shuts down equipment as directed by supervisor.
4. Inspects equipment at periodic intervals to detect routine malfunctions or need for repair, adjustment or lubrication. Oils and lubricates equipment as necessary.
5. Assists in the repair and maintenance of furnaces and boilers; blows down and washes boilers; scrapes and cleans flues; cleans pumps, screens, pipes and strainers, oil burners and gratings; removes ashes and clinkers.
6. Maintains equipment by tightening fittings, repacking bearings, replacing packing glands, gaskets, valves, recorders and gauges; replaces burners or other components.

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7. Reports any developments which appear to lead to an unsafe operating condition to supervisor.
8. Operates and maintains tools and equipment of the trade. Cleans work area upon completion of project.
9. Reads meters and gauges or automatic recording devices at specified intervals to verify operating conditions.
10. Cleans and maintains the fire and water side of fuel burning equipment.

Note:

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

MINIMUM QUALIFICATIONS

EDUCATION: High School Diploma or GED.

EXPERIENCE: Two years in the operation of a boiler room facility.

OTHER: Licensure as a Third Grade Stationary Engineer in the State of Maryland.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

Working knowledge of and skill in the operation of boilers, furnaces, and related equipment. Working knowledge of OSHA regulations and safety practices related to the boiler room facility; of the methods and practices used in maintaining and cleaning boilers; Skill in the use and maintenance of tools and equipment of the trade. Ability to fire boilers; to read gauges and judge operating conditions of boilers; to adjust burner controls; to perform cleaning and minor repairs to boilers and their auxiliaries; to weigh and manual stoke coal; to lift and transport clinkers and ashes; to work in, on, around, over and under fixed equipment and machinery; to manipulate heavy equipment, tools, and supplies and/or exert force up to 70 lbs.; to concurrently manipulate multiple controls on equipment and machinery; to work from ladders and scaffolding; to work in hazardous or irritating environments, confined spaces, and adverse weather and temperature conditions; to wear and work in personal protective equipment.

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OTHER:

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

CONDITIONS OF EMPLOYMENT

Candidates selected for employment may be subject to medical inquiries and/or medical examinations to determine ability to perform the job. Valid Maryland Non-commercial Class C or equivalent driver's license may be required. Employees in this job class may be subject to pre-employment and random drug testing.