

Wright State University
BARGAINING UNIT JOB SPECIFICATION
Stationary Engineer (STENG)

I. JOB INFORMATION

Job Title: Stationary Engineer (STENG)

Job Class: 75076 FLSA Status: Non-Exempt Bargaining Unit: TM

II. JOB SUMMARY

Under general supervision, performs duties associated with the operation and maintenance of heating plants, including hot water and steam boiler, hot water heaters, and auxiliary equipment which is part of building systems.

III. PRIMARY DUTIES AND RESPONSIBILITIES

- **Responsible for the operation and maintenance of water tube and fire tube boilers including hot water and steam boilers. Performs cleaning of boilers, water tube and fire tube including acid cleaning.**
- **Troubleshoots and maintains pneumatic, electronic and direct digital controls on boilers.**
- **Adjusts, cleans, maintains and starts burners on all boilers.**
- **Operates adjusts and maintains pumps, heat exchangers and control valves, strainers and other miscellaneous equipment.**
- **Checks, adjusts and maintains heating coils in air handling systems including auxiliary equipment in the piping systems connected to these coils.**
- **Operates and adjusts space heaters, unit ventilators, and auxiliary equipment serving these units, both for direct and gas-fired equipment and steam and/or hot water units.**
- **Keeps logs and records, and completes reports. Takes gauge and thermometer readings.**
- **Submits requests for purchasing the necessary parts/materials and miscellaneous items for proper maintenance of equipment.**
- **Reviews and performs work in accordance with blueprints, data, specifications, etc., for maintenance and construction work involving all associated heating systems in buildings.**
- **Performs preventive maintenance and prepares schedules for equipment assigned, including preparation work for state boiler inspectors.**
- **Operates and maintains HVAC equipment and related control systems when necessary.**
- **May assist with orientation of other employees in department operations.**

Note: This is not an inclusive list of duties and responsibilities.

IV. MINIMUM EDUCATION, EXPERIENCE, KNOWLEDGE, SKILLS, AND ABILITIES

A high school diploma or equivalent, a certificate from a two-year certified technical/vocational HVAC program, and a minimum of 3 years of full-time experience as a licensed stationary engineer; OR a high school diploma or equivalent, and five years of full-time experience as a licensed stationary engineer. Must possess a good understanding of the occupational hazards and general safety considerations inherent in the trade. Must be able to calculate basic math, including fractions, decimals and percentages. Must be able to read, write and comprehend common vocabulary.. May be required to read, interpret and work from blueprints, sketches, wiring diagrams, plans, layouts and/or templates.

V. WORKING CONDITIONS

Conditions may require walking, stooping, climbing, pushing, pulling, heavy lifting (less than or equal to 65 pounds), high climbing, bending, working in awkward positions handling equipment and materials. Exposure to toxic gas, chemicals, high pressure gases, dangerous machinery, fumes and contact with insulation, dust particles and asbestos, and danger of electrical shock may exist. There may be frequent exposure to extreme temperatures and/or weather conditions. Any combination of overtime, shift work, weekend and holiday work may be required. This position may be designated as essential and/or the employee may be required to provide a means to be contacted during non-duty hours for emergencies. Employees will be required to wear protective clothing and/or respiratory equipment when conditions warrant. Note: If a respirator is required for duties specific to this job, an annual respirator fit test and physical examination will be required.

VI. WSU TESTING/EXAMINATIONS REQUIRED

A pre-employment physical examination may be required before original appointment. An annual physical exam may be required.

VII. CERTIFICATIONS OR LICENSURE(S) REQUIRED*

- Must currently have possessed a valid U.S. driver's license for at least one year*.
- An Ohio Boiler License (low pressure) is required.

*Employees who operate University vehicles, or as a condition of employment, whose jobs require that they operate University vehicles, or that they operate their personal vehicles on University business, are subject to Wright Way Policy #2601, and must consistently meet the requirements of Risk Management for employees who drive under these circumstances.

This specification is intended to illustrate the level of complexity and kinds of job duties that may be assigned to positions with this classification title, and should not be interpreted to describe all the duties that may be included in a job description.