JOB DESCRIPTION

Boiler Mechanic

**Definition of Class**
This is a non-supervisory position that performs at an experienced work level that involves the maintenance and repair of boiler and ancillary equipment throughout the University campus. The incumbent conducts tests on the water for the maintenance of the necessary equipment and is responsible for keeping the boiler mechanic supervisor updated.

**Examples of Work Performed**
Performs journeyman level work associated with the maintenance and repair of stationary steam boilers and ancillary equipment located throughout the University campus.

Inspects boilers in accordance with established schedules; repairs boiler fittings including safety valves, regulators, automatic control mechanisms and water columns; inspects and repairs ancillary equipment including pumps, draft fans, stokers, and burners.

Inspects the steam distribution system and makes minor repairs to the pipes in the steam tunnels.

Assists in the operation and maintenance of the University’s water wells; conducts tests on the water and add the necessary chemicals as required.

Tests boiler water and adds chemicals to maintain boiler water treatment; tests cooling tower water and adds chemicals to cooling tower systems to ensure safety, chemically heating, and cooling loops.

Repairs chemical pumps and feed lines as needed.

Blows down boilers to regulate the chlorides in the boilers.

Fixes timers to regulate chemical feeds.

Adds borax-nitrite blend to heating and cooling loops. Tests to see if it has 500 to 1000 p.p.m.

Adds algicide to cooling towers to prevent algae and corrosion, also adds biocide to prevent scaling of tubes. Adds acrylate polymer blend to help prevent solids from forming on tubes.

Performs regular maintenance on chemical pumps and lines.

Rewires motors and timers when needed.

Replaces tanks and lines when needed.

Performs routine arc welding.

Performs similar or related duties as assigned or required.

**Essential Functions**
These essential functions include, but are not limited to, the following. Additional essential functions may be identified and included by the hiring Department.
1. Maintains and repairs stationary steam boilers and ancillary equipment throughout the University.

2. Inspects and repairs boilers, boiler fittings, and ancillary equipment.

3. Inspects and makes minor repairs in steam distribution systems.

4. Assists in the operation and maintenance of water wells.

5. Tests water in water wells, boilers, and cooling towers and adds chemicals as needed.

Minimum Qualifications
These minimum qualifications have been agreed upon by Subject Matter Experts (SMEs) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related education and experience, demonstrating the ability to perform the essential functions of the position. Any request to substitute related education or experience for minimum qualifications must be addressed to The University of Mississippi's Department of Human Resources in writing, identifying the related education and experience which demonstrates the candidate’s ability to perform all essential functions of the position.

Physical Requirements:
These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements.

Physical Exertion: The incumbent may be required to lift up to approximately 100 pounds.

Vision: Requirements of this job include close vision and color vision.

Speaking/Hearing: Ability to give and receive information through speaking and listening.

Motor Coordination: While performing the duties of this job, the incumbent is periodically required to talk and hear; stand; walk; use hands to finger, handle or feel objects, tools or controls; climb or balance; stoop, kneel, crouch, or bend; and reach with hands and arms.

Taste/Smell: Ability to use the sense of smell to recognize and distinguish odors. Ability to use the sense of taste to recognize and distinguish flavors.

Experience/Educational Requirements:

Education:
Graduation from a standard four-year high school or equivalent (GED).

AND

Experience:
Four (4) years of experience related to the above described duties.

AND

Licensure:
Incumbent must have a valid Mississippi Driver’s License.

Background Check Requirements
This position requires a background check upon hire.

Interview Requirements
Any candidate who is called for an interview must notify the Department of Human Resources in writing of any reasonable accommodation needed prior to the date of the interview.

Rev. 04/08/2015
The University of Mississippi is an EOE/AA/Minorities/Females/Vet/Disability/Title VI/Title IX /504/ADA/ADEA employer. The University complies with all applicable laws regarding equal opportunity and affirmative action and does not unlawfully discriminate against any employee or applicant for employment based upon race, color, gender, sex, sexual orientation, gender identity or expression, religion, national origin, age, disability, veteran status, or genetic information. The University of Mississippi is an “at will” employer. This job description does not constitute an employment contract or negate “at will” employment