

Boiler Equipment Technician

Position Details

Class Code: 7000

Job Family: Skilled Trades/Technician

Classification: Support Professional

Terms of Employment: [Pay Grade 54 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

Position Summary

Under general supervision, installs/repairs boilers, primary control systems, and other pressure vessel components.

Essential Duties and Responsibilities

This list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Installs/replaces boiler safety systems and components.
2. Troubleshoots malfunctions (electrical, gas, pneumatic, water, steam, etc.) in boiler systems.
3. Determines needed repairs on boilers and related parts.
4. Repairs leaking boiler tubes by re-rolling, re-tubing, or beading.
5. Makes repairs on high-voltage and high-temperature systems.
6. Repairs, rebuilds, and replaces pumps, gauges, and mechanical, electrical, and pneumatic valves.
7. Cleans/repairs pressure vessels on heating and water systems.
8. Repairs manhole and handhole rings, covers, piping, and other pressure parts of boiler systems.
9. Removes manhole and handhole plates; washes out boilers.
10. Checks fluid distribution systems for leaks (natural and liquefied petroleum (LP) gas, steam, hot water, oil, diesel, etc.); determines repair/replacement needs.

11. Performs preventive maintenance on boiler systems and pressure vessels.
 12. Conforms to safety standards, as prescribed.
 13. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves troubleshooting/repairing defects in boiler systems and pressure vessels.

Knowledge, Skills, and Abilities (Position Expectations)

1. Knowledge of high-voltage, electrical, and temperature systems.
 2. Knowledge of asbestos abatement policies and procedures.
 3. Knowledge of federal, state, county, Clark County School District requirements, and American Society of Mechanical Engineers (ASME) safety codes.
 4. Knowledge of boilermaker trade practices and procedures.
 5. Knowledge of heating equipment trade practices.
 6. Knowledge of boiler safety systems.
 7. Ability to learn and apply operating procedures.
 8. Ability to wear prescribed safety/personal protective equipment (PPE.)
 9. Ability to meet predetermined deadlines.
 10. Ability to work independently.
 11. Ability to read and interpret written/verbal instructions.
 12. Ability to interpret technical instructions, plans, and specifications.
 13. Ability to troubleshoot systems.
 14. Ability to plan and organize work.
 15. Ability to perform strenuous and physical work.
 16. Ability to operate hand/power tools and equipment.
 17. Ability to safely move and relocate heavy objects.
 18. Ability to work flexible hours/shifts.
 19. Ability to work in confined areas.
 20. Ability to withstand heights and perform work safely.
 21. Ability to work cooperatively with employees and the public.
 22. Ability to recognize and report hazards and apply safe work methods.
 23. Possess physical and mental stamina commensurate with the responsibilities of the position.
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Position Requirements

Education, Training, and Experience

1. High school graduation or other equivalent (General Educational Development (GED), foreign equivalency, etc.).
2. Completion of boiler equipment technician/boilermaker apprenticeship; or, Any combination of technical education and/or experience in the boiler equipment field totaling four (4) years (experience as a Boiler Equipment Technician – Entry-Level or boiler equipment-focused Skilled Trades Assistant (STA) in CCSD, or other experience in the boiler equipment technician/boilermaker field.)

Licenses and Certifications

1. A valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada. License must be maintained for the duration of the assignment.
2. Current driving history (dated within six (6) months from the date printed) issued by the Department of Motor Vehicles (DMV) at the time of application or Qualified Selection Pool (QSP) placement and at the time of interview prior to final selection.
3. Safe driving record. Safe driving record must be maintained for the duration of the assignment.
4. Journeyman certificate/card, if applicable. If not in possession at time of application or Qualified Selection Pool (QSP) request, journeyman certificate/card must be obtained within five (5) months of hire into the position.

Preferred Qualifications

None specified.

Document(s) Required at Time of Application

1. High school transcript or other equivalent (GED, foreign equivalency, etc.).
2. Copy of a valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada.
3. Copy of current driving history (dated within six (6) months from the date printed) issued by the DMV.
4. Safe driving record.
5. Copy of apprenticeship program completion, if applicable.

6. Journeyman certificate/card, if applicable.
 7. Specific documented evidence of training and experience to satisfy qualifications.
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Examples of Assigned Work Areas

CCSD facilities - boiler and mechanical equipment rooms, etc.

Work Environment

Strength

Medium/heavy - exert force of 50-100 lbs., occasionally; 25-50 lbs., frequently; 10-20 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, stooping, kneeling, climbing, crouching, reaching, handling, and repetitive fine motor activities. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near and far acuity, and color vision. Vision to read printed and online materials, Video Display Terminal (VDT) screens, or other monitoring devices.

Environmental Conditions

Varies from climate-controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

Hazards

Furniture, playground/office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

Examples of Equipment/Supplies Used to Perform Tasks

Electrical gas valves, boiler air switch safety devices, electrical control wire, air conditioning (A/C) magnetic contact, gas flex lines, low water controls, manual gas cocks, steam traps, water thermometer, gas pressure regulators, pressure gauges, safety/PPE (gloves, safety glasses, respirator), etc.

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 01/04/24
- Created: 12/01/87