



Shasta-Sustainable Resource Management, Inc.

20811 Industry Rd.

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(530) 339-7600

Shift Supervisor

Summary: Monitor and control boilers, turbine, and auxiliary plant equipment from the control room to maintain safe, efficient and continuous plant operation.

Essential Functions:

1. Maintains safe and efficient boiler operation including maintaining productive boiler combustion, maximize generation, manage in-plant power consumption, operates facility within all applicable permits.
2. Monitors plant operational and emissions data; detects and responds to changing conditions with regard to maximizing plant safety and efficiency.
3. Coordinates, directs, and trains all subordinates as required.
4. Oversees the operation of plant equipment and dispatch operators for local monitoring for safe operation. Works with maintenance to troubleshoot problems and ascertains probable cause.
5. Reads meters and gauges or automatic recording devices at specified intervals to verify operating conditions. Records data such as temperature of equipment, hours of operation, fuel consumed, temperature or pressure, water levels, analysis of flue gases, voltage load and generator balance.
6. Adjusts manual controls or overrides automatic controls to bring equipment into recommended or prescribed operating ranges, switch to backup equipment or systems, or to shut down equipment. Visually inspects equipment at periodic intervals to detect malfunctions or need for repair, adjustment or lubrication.
7. Maintains equipment by tightening fittings, repacking bearings, replacing packing glands, gaskets, valves, recorders, and gauges, and cleaning or replacing burners or other components.
8. May be required to oil and lubricate equipment.
9. Records operation and maintenance actions taken during shift in operator's logbook.
10. Completes the Corporate and Plant Training Programs within the time frame prescribed.
11. Follows standard safety procedures, correct safety and environmental hazards, and report them to the Management Staff immediately. Reads, understands, and applies information such as, lockout/tagout procedures, safety rules, job hazard analyses, operating and maintenance instructions, and procedure manuals.
12. Works overtime and rotating shifts.
13. Communicates clearly and concisely both verbally and in writing; as well as communicates clearly whether using in-situ intercom system, two-way radio or face to face.
14. Anticipates typical problems, identifies potential or recurring problems, and takes appropriate action. Troubleshoots equipment and assists in diagnosing problem

areas.

15. Operates other equipment including, but not limited to, industrial forklifts, manlifts, skid steer type loaders, and other mobile equipment.
16. Performs other duties as assigned.

Education/Experience:

- High school diploma or general education degree (GED) or equivalent.
- Bachelors or Associates degree or equivalent is desirable.
- Two years working in power plant environment as APO or comparable position; or 5 years related experience or training in power plant environment.
- Mechanical skills sufficient to perform such tasks as replacement of shear pins, valve repacking, and equipment inspections.
- Skills, experience, and knowledge sufficient to acquire state licenses, such as State of Maine 3rd Class Engineers license.
- Math skills sufficient to complete required job functions.
- Knowledge and understanding of the operation and control of a steam generating power plant.

Certificates and Licenses:

- Licenses as required by Local, State, Federal, Environmental and/or Health/Safety Regulatory agencies

Supervision Received:

- Perform job duties within prescribed standards. Minimal supervision necessary once varied tasks are mastered.

Computer Skills:

Operate with Skill:

- Word Processing and Spreadsheet programs
- CMMS

Teamwork/Cooperation:

- Share expertise with others
- Manage stressful situations professionally
- Accept constructive feedback from others
- Show respect and sensitivity for cultural/work style and learning style differences
- Treat people with respect

Physical Demand:

- Stand
- Sit for prolonged periods of time
- Walk
- Handle tools, equipment, fine motor skills
- Reach with hands and arms

- Climb and balance on heights often greater than 4 feet
- Stoop, kneel, bend, push, pull, crawl
- Ascend and descend stairs and stationary vertical ladders as part of normal work activity and emergency egress situations
- Lift 50 lbs.
- Move about all areas of the plant, including catwalks, deck grating, wet and muddy areas, and uneven surfaces
- Close vision, distance vision, corrected or otherwise
- Operate a 1.5 inch fire hose operating at 125 psi line pressure to the extent required to extinguish fire
- Operate fire extinguishing equipment ranging from hand held extinguishers to 200 lb portable units
- Access confined spaces and pressure vessels through standard 12" by 16" manways

PPE Required:

- Work in areas under adverse conditions that may require the donning and use of personal protective equipment including, but not limited to, the following with average fatigue:
- Negative pressure respirator
- Positive pressure respirator
- Self-contained breathing apparatus (steel or composite bottle)
- Hardhat
- Approved safety shoes
- Eye protection (corrected or otherwise)
- Rubber suit and gloves
- Chemical resistant suit
- Head resistant outerwear
- Flame resistant outerwear
- Approved hearing protection
- Gloves
- Safety harness

Environmental Conditions:

- Moving mechanical parts
- Wet or humid conditions (non-weather)
- Airborne particles
- Potential exposure to dust, and chemicals
- Exposure to Hot and Cold temperatures and outdoor weather
- Noise in work environment