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## Boiler Operator

**SALARY:** Hourly \$24.56 – \$30.71

**HOURS OF WORK:** 12-hour shift that rotates monthly & additional overtime as necessary

**DEPARTMENT:** Waste-to-Energy Facility

**OPENING DATE:** November 30, 2018

**CLOSING DATE:** December 17, 2018 4:00 p.m.

### NECESSARY QUALIFICATIONS:

- Possession of a valid Minnesota 1A or Chief A Stationary Engineer's License
- Ability to attend the MPCA Provisional Waste combustor Operator Course within 6 months of acceptance of position.

### MINIMUM QUALIFICATION OF EDUCATION AND EXPERIENCE:

- A minimum of three (3) years' experience in the operation and maintenance of high-pressure steam and electric power generation systems.

### NATURE OF WORK:

- Under the general direction of the Shift Supervisor, this position operates and maintains high pressure steam equipment and waste combustors.
- Assists, and participates in, the operation and repair of the facility.
- Ensures that processing is within compliance of facility operating permits.

### EXAMPLES OF WORK:

- Operates and maintains incinerators, boilers, fans, hydraulic systems, and pollution control systems associate with a refuse fire boiler.
- Monitor and control the makeup of water treatment equipment and refuse dipping hall operations.
- Operate auxiliary equipment including pumps, ash conveyors, and condensers.
- Assists employees engaged in operating, servicing, and maintaining the boilers and auxiliary equipment
- Assists Shift Supervisor with control room operations including; start up and shut downs, E-Stops, CEMS, combustion, steam flow.
- Assists Shift Supervisor in directing on steam p.s.i., steam flows, condenser p.s.i., turbine states, and how the plant is operating.
- Directs Plant Operators on duty, reviews hourly and daily logs and uses experience with high-pressure boiler operating to anticipate and correct operational problems.
- Maintains operating logs of all parameters on shift.
- Produces records and information used to generate reports on daily, weekly, and monthly operations
- Oversees compliance with facility operating permits on shifts
- Performs miscellaneous housekeeping in and around work areas.
- Operate refuse crane as necessary for relief of other shift personnel.
- Responsible for the on the job training of subordinate operators on the shift
- Performs other related works as required

### KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

- Considerable knowledge of the principles and practices involved in the operation and maintenance of high-pressure steam and electric power generation and related equipment.
- Considerable knowledge of the principles and practices applied to the operation of a reuse fire furnace.

- Thorough knowledge of the permit rules and pollution control guidelines.
- Technical skills, and human ability, to train subordinate operators
- The ability to read, understand, and develop facility operating and training procedures
- Ability to plan and direct the work of other employees engaged in operating and repairing equipment
- Ability to prepare and maintain logs of plant operation and production.
- Ability to communicate effectively, both verbally and in writing and in highly stressful situations
- Ability to act quickly and calmly directing the actions of subordinate staff in complex emergency situations
- Considerable experience using computer-based equipment control and data handling equipment.

**PHYSICAL REQUIREMENTS:**

- Must be able to lift 50 pounds
- Must be able to climb ladders and steps
- Must be able to withstand extreme temperatures
- Must be able to wear a respirator
- Must be able to work in confined space areas.
- Must be able to work a 12-hour shift that rotates monthly

This description is intended to describe the kinds of tasks and levels of work difficulty being performed by people assigned to this classification. The list of responsibilities is not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified.