POSITION DESCRIPTION
POWER PLANT OPERATOR- LTE

POSITION SUMMARY: This position will operate a variety of equipment in the Halbert Heating Plant. It is responsible for the operation of the gas and coal fired boilers, various pumps, turbines, motors, air compressors, etc., during the assigned shift operation. It will perform a variety of general repair and maintenance duties on the power plant equipment. This position performs under the general supervision of the Power Plant Superintendent or Power Plant Operator in Charge.

70%
A. Operate a variety of equipment in the power plant.

1. Operate boilers fired by gas and coal.
2. Operate pumps, turbines, motors, air compressors, fans, blowers, stokers, conveyors, elevators, scales, engines, generators, feed water heaters, water treatment equipment.
3. Record and interpret readings from thermometers, pressure gauges, flowmeters, integrators and recorders.
4. Operate emergency electric power plant as required.
5. Blow down boilers.
6. Operate automatic combustion controls on automatic remote manual or local manual as necessary to meet conditions.
7. Exercise judgement in the event of personal casualties or breakdown in plant equipment.
8. Take boiler and treated water samples and test same for sulfite phosphate, alkalinity, total dissolved solids, hardness and Ph.
9. Mix boiler water treatment chemical in proper portions and regulate feed of same to maintain boiler water within control limits.
10. Backwash, re-generate and rinse water softeners and dealkalizers.

30%
B. Perform a variety of general repair and maintenance duties.

1. Operate front end loader to move coal and other materials.
2. Diagnose problems and make minor repairs and adjustments to power plant equipment.
3. Assist with major repair of power plant equipment.
4. Responsible for telephone communications at night when base station is unmanned.
5. Keep work area and equipment clean and in an orderly condition.
6. Clean boiler and remove ashes as required; prepare coal samples.

Knowledges/Skills Required of the position

- Ability to kneel, bend, squat, reach up and down to turn open or close large or small valves or gates.
- Ability to kneel, squat, bend and stretch to read gauges and thermometers.
- Ability to read gauges, thermometers and sight glasses.
Ability to spend 8 hours alone in large industrial steam plant setting.
Ability to climb stairs and overhand ladders.
Ability to enter manhole and exit same via overhand ladders.
Ability to enter and work in confined spaces.
Ability to swing a sledge hammer and be able to lift up to 100 pounds.
Ability to bend over and rake and hoe ashes out of boilers.
Ability to shovel coal or debris.
Ability to climb into and operate small front end loader.
Knowledge of the operation of coal, gas, and oil fired steam boilers, coal and ash handling equipment, waterpumps, steam turbines, steam reciprocating engines, pressure gauges, temperature gauges, flow meters, feed water heaters.
Knowledge of water testing and water treatment.
Ability to operate and make minor repairs to all power plant equipment.