

Water Treatment Plant Mechanic

Distinguishing features of the class:

This work involves the performance of skilled tasks related to the repair and maintenance of Water Treatment Plant equipment. The work shall be monitored and assigned by the Supervisor of the Water Filtration Plant. The person assigned this job will be expected to be self - motivated and detail oriented as well as highly skilled in the repair of Pumps and Valves with a very good understanding of electrical systems up to and including 480 volts. Basic knowledge of SDS sheets and the lockout tag out program. Does related work as required.

Typical Work Activities:

Perform highly skilled tasks including but not limited to the repair of pumps, valves and all related equipment found in the Water Filtration Plant. These repairs may be inside or outside in all types of environments and conditions in and around chemicals and chemical feed systems. The work may include Plumbing large or small tasks from changing a faucet to re piping a chemical feed system. Structural work from pouring a small concrete pad for a new pump base to fixing a hole in sheet rock. From trouble shooting an electrical outlet to changing out fuses in a 480 volt panel. One day may be running new phone lines the next day may be repairing a fiberglass water trough.

Full Performance Knowledge, Skills, Abilities and Personal Characteristics:

Good knowledge of practices, tools, and terminology and safety procedures established for the maintenance of a Water Filtration Plant or other industrial setting.

The following skill set should be well within the applicants abilities;

Mechanical abilities to include the repair and operation of all pump types including but not limited to Peristaltic, Diaphragm, Centrifugal, Vertical Turbines and Rotary.

Mechanical abilities to include the repair and operation of all valve types including but not limited to Gate, Globe, Check, Ball, Butterfly and their actuators including electric and pneumatic systems.

Plumbing from household style repairs to the piping of new systems including but not limited to copper line solder, PVC glue joints and ductile or black iron flange connections.

Basic computer use including email, excel spreadsheets and Microsoft word files.

Ability to work from plans and rough sketches, ability to follow both oral and written instructions. Physical condition commensurate with the demands of the position. Must be physically capable of walking, standing, and lifting with or without help. Must be willing to work overtime as needed to keep equipment running 24 hours a day seven days a week.

Minimum Qualifications:

Graduation from High School or possession of a High School Equivalency Diploma and;

Three years hands on experience as a pump mechanic or maintenance mechanic in an industrial setting; or

Two years hands on experience working in the water / waste water industry with a proven record of maintenance work and pump repair.

Special Requirements:

Possession of an appropriate level motor vehicle operator license issued by the New York State Department of Motor Vehicles.

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