

MAINTENANCE MECHANIC (WATER TREATMENT)

Revised 3/6/03

DISTINGUISHING FEATURES OF THE CLASS:

This position involves responsibility for performing skilled maintenance and repair activities related to a municipal water treatment plant. An incumbent also collects and records operational data and monitors operating parameters at the *facility's* pumping stations and performs building maintenance and repair. The work is performed under the direct supervision of the *Director of Municipal Utilities* with some freedom allowed for exercising independent judgement in carrying out the work. *An incumbent may exercise some supervision over seasonal and temporary employees.* Does related work as required.

TYPICAL WORK ACTIVITIES:

Performs a wide variety of maintenance and repairs to machinery and equipment related to water treatment including pumps, motors, valves, generators, piping and pneumatic and hydraulic equipment;

Installs and/or replaces valves, pumps and other equipment related to *water treatment*;

Maintains *water treatment* system including cleaning debris from *tanks and lagoons*;

Performs daily monitoring of operating parameters at *treatment plant*;

Maintains records and logs related to maintenance, repair and operating parameter readings;

Uses a variety of tools for maintenance and repair of machinery and equipment including wrenches and torches;

Meets with *Director and Supervising Operator* to discuss and report on maintenance and repair of the *water treatment components*;

Operates and maintains zebra mussel control system;

MAINTENANCE MECHANIC (WATER TREATMENT) – contd.

Performs building maintenance and repair including carpentry, plumbing, and low-voltage electrical repairs;

May operate motor equipment on occasion;

May perform other *Municipal Utility* activities on occasion.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONNEL CHARACTERISTICS:

Good knowledge of the principles and practices of installation, maintenance and repair of machinery and equipment used in water treatment ;

Good knowledge of principles and practices of building maintenance and repair;

Good knowledge of the city's water treatment operations and distribution;

Good knowledge of tools used in the maintenance and repair of water pumps, motors, hydraulic systems, etc.

Good knowledge of principles and practices of reservoir water treatment;

Working knowledge of record keeping including logs;

Ability to use a variety of tools utilized in maintenance and repair of water treatment equipment and buildings;

Ability to understand and follow oral and written instructions;

Ability to keep records and logs;

Ability to install, maintain and water treatment machinery and equipment and perform building maintenance and repair;

Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Two (2) years of experience performing skilled plumbing or mechanical installation, maintenance and repair work, and two (2) years in either the maintenance of a water treatment plant, or treatment of a potable water.