

CLASS TITLE: PLUMBER/WATER TREATMENT OPERATOR

Class Code: 02342800

Pay Grade: 18G

EO Code: G

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To install, inspect, and repair water, sewer, and other plumbing systems; to insulate piping systems; to perform operational activities and make decisions regarding the daily operational activities of a public water treatment facility and transmission and distribution system that may directly impact the safety, security, quality and quantity of drinking water; and to do related work as required.

SUPERVISION RECEIVED: Receives general and specific work assignments from a superior with considerable latitude for the use of independent judgement in the application of the practices and techniques of the trade; work is reviewed, usually upon completion, for satisfactory performance.

SUPERVISION EXERCISED: As required, supervises the work of helper or others assigned to assist in performance of a work assignment.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

PLUMBER DUTIES:

Under general supervision, to install, inspect, and repair water and sewer systems, including lavatory facilities, faucets, drinking fountains, sprinkler systems, and cafeteria equipment.

To install, inspect, and repair compressed air lines.

To cut, thread, and bend pipes according to requirements.

To keep all power equipment and hand tools of the trade in good working condition.

As required, to requisition supplies tools.

As required, to keep materials and time records.

To operate, monitor, or inspect and maintain a water treatment facility on a daily basis, including all sensors, pumps, vales, injectors, and monitors.

To add chemical-hydrated line in dry powder form to hopper in order to obtain/maintain proper pH.

WATER TREATMENT OPERATOR DUTIES:

To monitor proper mixing in dissolver tank through calculated delivery of lime in dry form and the metered flow of potable cold water.

To perform daily operating inspections to ensure automated electronic flow control vales, chemical feed pumps, solenoid vales, delivery piping, and electronic control board are all functioning properly.

To calibrate and adjust stroke and speed settings on chemical feed pump as required.

To periodically take offline, disassemble and clean the dissolver tank and related piping valves and equipment system in order to maintain them.

To monitor on a daily basis, the charts and graphs for record keeping and for adjustment of pH level in the distribution system.

To verify the accuracy of pH monitors through water sampling and testing.

To insure that the security and safety of the public water drinking system is not compromised.

DISTRIBUTION SYSTEM DUTIES:

To operate distribution system so that the quality of water does not deteriorate between treatment facility and the customer.

To perform semi-annual flushing of distribution system to remove any sediment and to exercise fire hydrants.

To make repairs to distribution system as necessary.

To disinfect system as required.

To chart and record water usage on a daily basis.

To install and maintain back flow preventers.

To periodically clean and unclog sewage mains and manholes as necessary.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS, AND CAPACITIES: A thorough knowledge of the practices, techniques, tools, equipment, and materials used in the plumbing trade, and skill in the application of such practices and techniques; skill in the use of the tools and equipment used in the plumbing trade; a working knowledge of relevant safety measures and precautions; the ability to work from plans and specifications, and to follow rough sketches and oral written instructions; knowledge of the operation of a water treatment facility and associated transmission and distribution system; and other related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: possession of a high school degree or equivalency; and a minimum of ten credit hours of instructions in the operation of a water treatment facility and associated transmission and distribution system (to be updated on an annual basis).

Experience: Such as may have been gained through: employment as a journeyman plumber.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Special Requirement: Must possess a journeyman plumber's license in the State of Rhode Island. Must possess Class I Drinking Water Treatment Certification for operating and maintaining a water treatment facility that supplies 15,000 students, educators and state employees.

Class Created: October 31, 2004