

WATER QUALITY MAINTENANCE WORKER I

Definition:

Under immediate supervision, to make mechanical repairs to treatment plants, pumping plants, and pressure regulating stations. Under general supervision, to do general repairs, construction, and maintenance work as assigned.

Distinguishing Characteristics:

This is the entry-level FLSA non-exempt class in the Water Quality Maintenance Worker series. The Water Quality Maintenance Worker I class is distinguished from the journey level by the Grade 1 certification requirement and the performance of the more routine tasks and duties assigned to positions within this series. Employees work under immediate supervision while learning job tasks, progressing to general supervision as procedures and process of assigned area of responsibility are learned. Work requires lifting and carrying fifty (50) pounds or more on a regular basis; working outside in all types of weather, traversing uneven and steep terrain and working in wet areas; frequent bending, stooping, standing, and walking for extended periods; ability to adjust focus from near to far vision and distinguish colors; drive a motor vehicle.

Examples of Duties:

- learns skilled plant and pump station work by assisting higher skilled employees;
- measures, cuts and joins pipes;
- locates and repairs or replaces broken or leaky water lines, water meters, and chemical feed lines;
- taps water mains;
- installs, inspects and performs minor repairs to hydrant valves, meters and related equipment;
- locates valves, meters and hydrants from maps, drawings and sketches;
- assists in trouble shooting, repairing or replacing chemical feed systems;
- removes trees and rocks from plant sites;
- assists in the building, installing and repairing of plant facilities;
- assists in repair and adjustment of treatment plant and pumping station equipment;
- assists in repair and adjustment of engines, electric motors, pumps, gearboxes and valves;
- observes proper safety precautions and maintains tools, supplies and equipment, and the work site in a safe condition;
- sets up and places traffic warning devices;
- assists in preparing the work site;

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- returns tools and equipment to proper place;
- cleans up the work area after job is completed;
- learns the identification and use of hand and power tools;
- performs physical work as required, may drive service vehicle to and from the job;
- keeps record of work, time and materials;
- reviews and performs safe work practices;
- operates a motor vehicle safely and skillfully;
- learns principles and practice of water treatment;
- is on call for emergency overtime call outs;
- perform related duties as required.

Qualifications:

Knowledge of:

- basic mechanical principles;
- tools, equipment and procedures used in the overhaul, repair and adjustment of equipment, pumps, electric motors, auxiliary power equipment, dredges, and related power driven equipment;
- painting, coating, carpentry, and concrete patches;
- mathematics and hydraulics.

Ability to:

- learn skilled plant equipment installation, repair and maintenance practices;
- learn use of hand and power tools;
- understand and carry out written and verbal instructions;
- effectively communicate verbally and in writing;
- learn and apply safe work practices;
- perform physical work requiring considerable manual dexterity;
- establish and maintain effective working relationships with those contacted in the course of work;
- operate equipment and a motor vehicle skillfully and safely;
- learn principles and practice of water treatment and distribution.

Education/Experience:

Graduation from high school or equivalent.

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License/Certificates:

Must possess and maintain a valid California driver's license with an acceptable driving record. Must possess a Water Treatment or Water Distribution Certificate, Grade 1 from the State of California or obtain a Grade 1 certification within 18 months.