

WATER QUALITY MAINTENANCE WORKER IIDefinition:

Under supervision, assists in the installation, repair and maintenance of treatment plant facilities and equipment; performs related work as assigned. Under general supervision, assists in mechanical repairs to treatment plants, pumping plants, pressure regulating stations, and to do related work, including general repair construction and maintenance.

Distinguishing Characteristics:

This is the full journey level class of Maintenance Worker in the Agency's Water Quality Division. This FLSA non-exempt class is distinguished from the Water Quality Maintenance Worker I class by the requirement for a Grade 2 certification in either water treatment or water distribution. Employees at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies within the work unit. Positions in this class are flexibly staffed and are normally filled by advancement from the entry level. 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 pipe;
- 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 hydrants from maps, drawings and sketches;
- troubleshoots, repairs or replaces chemical feed systems;
- removes trees and rocks from plant sites;
- assists in the building, installing, and repairing of plant facilities;
- construction maintenance and repair of water treatment storage systems;
- operation of power driven equipment;
- may inspect construction work by contractor;
- insures adequate supply of parts, materials and needed equipment;
- general maintenance of tools and equipment;
- performs welding (both arc and gas);
- assists in repair and adjustment of treatment plant and pumping station equipment;

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- assists in repair and adjustment of engines, electric motors, pumps and gearboxes;
- replaces or repairs faulty parts;
- observes proper safety precautions and maintains tools, supplies and equipment, and the worksite in a safe condition;
- sets up and places traffic warning devices;
- assists in preparing the work site;
- 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; plans work and keeps records of time and materials;
- trains new employees;
- operates backhoe, front end loader, excavator, aerial work platform, forklift, and small tractor;
- locates and operates valves;
- reviews and performs safe work practices;
- operates a motor vehicle safely and skillfully, be on call for emergencies and overtime call outs;
- performs related duties as required.

Qualifications:

Knowledge of:

- basic mechanical principles as related to the installation, maintenance and repair of treatment plant equipment;
- 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 practices;
- mathematics and hydraulics;
- principles and practice of water treatment.

Ability to:

- learn skilled pipeline and canal 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;

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- 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.

Education/Experience:

Graduation from high school or equivalent. One year journeyman level experience in the maintenance and repair of treatment plants, pumping stations and equipment.

License/Certificates:

Must possess and maintain a valid California driver's license with an acceptable driving record. Must possess a Grade 2 Water Treatment and/or Water Distribution Certificate from the State of California.