

**DISTRIBUTION OPERATOR II**Definition:

Under minimal supervision, monitor and control the treated water distribution system facilities and equipment manually and by using SCADA (supervisory control and data acquisition) system) computer consoles to regulate treated water distribution and control water quality. Performs a variety of skilled and semi-skilled work in the maintenance and operation of the distribution system (treated water), adjusts and maintains pressure reducing stations, and monitors the water quality of the distribution system. Tests and inspects the installation of cross-connection devices. Performs related work as required.

Distinguishing Characteristics:

This is a full journey-level class within the Distribution Operator series. Incumbents use manual and computer-based SCADA system to operate a water supply and treated water distribution system. The system regulates water distribution and monitors water quality. The work requires independent judgment, initiative and action within established operational parameters. The duties require travel to various remote sites in Placer County, include work outside in all types of weather as well as inside with prolonged periods of sitting; regularly walking on uneven surfaces which may be slippery or wet, bending, stooping, reaching lifting and carrying 50 lbs., ability to discern colors and focus sight close and distant and ability to do fine manipulation of small controls. Operates a vehicle on a regular basis. This class is distinguished from the Distribution Supervisor classification which has responsibility for overall operations of the water distribution function.

Examples of Duties:

- operates a central computer-controlled console and ancillary electronic equipment to regulate the water supply and treated water distribution system including control of automatic control valves, storage tank water levels and pumping plants;
- coordinates flow changes with treatment plant operators;
- monitors pressure and flow data, routine field activities and plants and facilities security;
- responds to alarms, equipment failures, security violations, and takes necessary actions to maintain a reliable water supply;
- collects, analyzes and interprets computer-generated data and takes appropriate action;
- distributes, inputs and stores computer data;
- coordinates operational changes to document map corrections of existing system and any upgrades to system;

## **DISTRIBUTION OPERATOR II**

- obtains water quality samples for analysis from distribution system;
- responsible for operating automatic control valves for all scheduled outages and for coordinating with other departments as needed;
- inspects and tests the initial installation of backflow prevention devices to verify customer compliance with cross-connection rules and regulations;
- operates, regulates, troubleshoots and maintains pressure reducing and pump stations including the coordination of flows into storage facilities to maintain adequate distribution system operation;
- assists in the monitoring of the water quality of the distribution system and the preparation of required reports;
- may direct the work of a Distribution Operator I and assist in planning the work and training of new employees;
- responsible for general communication functions, recording, relaying transmitting, and providing information to and from persons requiring information about Agency operations;
- requisitions, inventories, stores and maintains adequate level of routine materials, supplies and equipment;
- responds to water quality and pressure complaints in the distribution system.

### Qualifications:

### Knowledge of:

- major components of pumping plants, reservoirs and automatic control valves;
- principles, methods and practices of water distribution, related equipment and servicing and repair of mechanical and electrical components;
- hydraulics principles;
- the operation and limitations of various valves and mathematics directly related to the waterworks industry;
- applicable laws, rules and regulations pertaining to cross connection control;
- safety rules and codes, including confined space procedures;
- general knowledge of uses and principles of computerized electronic equipment in the collection, storage and interpretation of operational data related to monitoring and control of treated water distribution facilities and equipment;
- routine operating report generation;
- principles and practices of servicing, repairing and calibrating water distribution system equipment;
- current technological developments in water distribution and water quality;

## **DISTRIBUTION OPERATOR II**

- operating water distribution system equipment including automatic control devices and distribution system equipment using advanced SCADA systems techniques and complex analyses of water distribution system requirements;
- maintaining safe and reliable water supply to customers;
- servicing, repairing and calibrating distribution system equipment;
- actively participates in multi-person operation by giving feedback and offering constructive recommendations for operational problems;
- operating without immediate or detailed supervision.

### Ability to:

- demonstrate initiative and independent thinking;
- budget time wisely;
- perform routine maintenance and adjustments of distribution system;
- operate specialized equipment;
- recognize unusual or dangerous operating conditions;
- interpret piping diagrams;
- write clear and concise reports;
- operate a motor vehicle safely.

### Education/Experience:

Twelfth grade or equivalent. Two (2) years as a Distribution Operator I plus specialized schooling and/or seminars related to water industry, transmission and distribution systems, and backflow prevention.

### License/Certificates:

Must possess and maintain a valid California driver's license with an acceptable driving record. Must possess the California Distribution Operator Certification, Grade D3. Must possess Backflow Prevention Device Certification from the State of California, or obtain within one year of employment.