

WATER QUALITY TECHNICIAN**➤ Definition**

- The Water Quality Technician is a member of the General Unit assigned to the Water Treatment Department of the Paradise Irrigation District. This position functions under the general supervision of the Treatment Plant Superintendent and the Water Treatment Plant Operations Supervisor.

➤ Examples of Duties Includes, but is not limited to the following;

- Inspects raw water reservoirs for water elevation and water quality properties.
- Collects raw water samples for analysis and recordkeeping.
- Routinely collects finished water samples at the treatment plant and throughout the transmission and distribution system for analysis and recordkeeping.
- Coordinates and collects water quality samples required for the NPDES permit for analysis and recordkeeping.
- Prepares, organizes and maintains a database for water quality reports, plans, manuals and related records.
- Compiles water quality information for the annual Consumer Confidence Report (CCR).
- Maintains a district database with regard to production data. Reports to management suggested updates for PID website and other suggested data for the press.
- Assists treatment plant operators or other assigned personnel in the maintenance and repair of machinery, equipment, pipes, tanks, pumps and motors at the treatment plant.
- Coordinate and execute the planning, inspection, maintenance and recordkeeping of cathodic protection systems at the treatment plant and throughout the transmission and distribution system.
- Monitor and maintain the corrosion control program. Installs, removes and analyzes coupons from throughout the distribution system. Monitors residual and makes suggestions related to corrosion control feed requirements in effort to optimize performance.
- Is responsible for handling customer service issues related to water quality including appropriate recordkeeping.
- In coordination with the Distribution System Operator, will participate in the collection of data for system mapping, especially, as related to the treatment plant or source of supply.
- In coordination with the Distribution System Operator, will participate in ongoing distribution system flushing to collect data for water quality sampling and recordkeeping.
- Participate in the operation of the water treatment plant as directed by the Water Treatment Plant Superintendent and the Water Treatment Plant Operations Supervisor.
- May participate in the district standby duty rotation while serving as the Water Quality Technician.
- Cleans and maintains buildings and grounds at the treatment plant and water quality sampling sites.

- Assists the Distribution System Operator with system operations as may be needed.
 - Provides tours of the treatment plant.
 - Other related duties as assigned.
- **Typical Physical Activities** Includes, but is not limited to the following;
- Operates district vehicles and equipment during assigned working hours and as may be needed for emergency response.
 - Works in environments that present exposure to dust, dirt, mud, water and significant changes in weather conditions.
 - Extensive use of electronic equipment such as computers, telephones and test equipment.
 - Extensive use of lab and field analysis equipment including turbidimeter, colorimeter, pH meter, spectrophotometer, linear polarization, and electric multimeter.
 - Sits and stands for extended periods of time.
 - Frequently communicates through written, oral or other methods in various settings with staff, customers, contractors, and vendors.
- **Typical Physical Requirements** Includes, but is not limited to the following;
- Must be able to carry, push, pull, reach and lift equipment, parts and materials of varying weights with or without assistance in accordance with safe work practices.
 - During the course of daily work activities must be able to walk, stoop, kneel, crouch, crawl and climb in accordance with safe work practices.
 - Hearing and vision must be within normal range with or without correction.

Employment Standards

- **Expected Range of Knowledge** Includes, but is not limited to the following;
- Basic public drinking water treatment plant operations.
 - Public water transmission and distribution systems.
 - Private water systems.
 - Basic hydraulics, mechanics, plumbing, electrical.
 - Intermediate algebraic mathematics.
 - Operation of recording devices and testing equipment used in data collection for water quality purposes.
 - District Consumer Confidence Report.
 - District system mapping.
 - Basic knowledge of cross connection control and backflow prevention.
- **Required Abilities** Includes, but is not limited to the following;
- Analyze problems related to water quality from source of supply throughout the distribution system including all storage facilities, and take prompt, appropriate and effective course of action in resolving the problem.
 - Effectively use MS Office programs in creating reports, spreadsheets, memos, graphs, charts and presentations.
 - Maintain cooperative working relationships with peers, supervisors, customers and vendors.
 - Operate basic hand and power tools.

➤ **Desirable Qualifications**

- Possess California Water Treatment Operator certification Grade 2 or higher.
- Possess California Water Distribution Operator certification Grade 2 or higher.
- Proof of continued education course work in water distribution, water treatment or related subject approved by the SWRCB for certification contact hours. Continued education in water treatment is preferred.
- Associate Degree or higher, relevant to water technology earned at an accredited institution.

➤ **Requirements of Position**

- Must possess California Water Treatment or Distribution Operator certification Grade 1 or higher.
- Must obtain California Water Distribution or Water Treatment certification Grade 2 within 2 years of employment in this position.
- At time of assignment to this position, must have successfully completed at least one, 3 unit (or 36 hour) course of specialized training covering the fundamentals of water supply principles (must be treatment plant operations) as approved by the SWRCB.
- Must possess a valid California State Class C driver license.

The specific statements shown in each section of this description are not intended to be all-inclusive. They represent typical elements and criteria necessary to successfully perform the job. If the applicant does not meet the required aspects of this position the applicant will not be considered for this position.