



Hi-Desert Water District Classification Specification

Job Title: Water Quality Technician II

Job Grade: 10

FLSA Status: Non-Exempt

Date: February 22, 2011

JOB SUMMARY

Under general supervision of the Production Foreman or the Water Quality Technician III, the Water Quality Technician II is responsible for monitoring the quality of water for the District. The position requires sampling and treating water to meet the State and Federal requirements for water quality, and filing all required documentation and other duties as assigned.

ESSENTIAL FUNCTIONS *(include but are not limited to the following)*

*Class specifications are only intended to present a description summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications **may not** include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of the incumbents within the class.*

- Tests, and monitors all District water through taking weekly water samples at district water storage facilities and wells; treating water in the distribution system, and daily operations of the District's treatment facilities.
- Records and tracks all documentation related to testing and treatment of water.
- Prepares and responds to State and Federal water quality compliance and monitoring documentation to the appropriate agency and keeps current on all compliance regulations and requirements.
- Supervises, oversees, and mentors the Water Quality Technician I.
- Responds to customer inquiries and complaints about District water quality.
- Assists in maintenance and repair of motors, pumps, tanks, booster stations, and other jobs as needed.
- Provides back up to Construction and Maintenance Departments as necessary to assist in the disinfection and sampling of repaired and newly installed distribution system pipelines and appurtenances.
- Tracks, documents, and records compliance factors associated with water main shut-downs and loss of system pressure.
- Reviews and revises as needed, the District's compliance and routine sampling plans.
- Maintains material data safety sheets on all water quality related chemicals and products when applicable under federal and state standards.
- Plans and carries out District flushing plans to maintain suitable water quality parameter.
- Responds to emergency and after-hours repair service calls.

- Train and lead production operators on water quality programs, sampling and treatment.
- Handle difficult and technical assignments.
- Assist production operations as needed.

JOB SPECIFICATIONS

Knowledge of:

- HDWD Pumping Distribution System.
- State and Federal Laws
- Safe Water Drinking Act.
- Water Analysis
- Water Treatment (AWWA Standards)

Skills and Abilities:

- Prioritization and scheduling.
- Water treatment and monitoring.
- Fabrication.
- Reading and interpreting test equipment.
- Computer operation.
- Heavy equipment operation.
- District safety standards.
- Operate computer systems and software applications.
- Inspect and diagnose operating problems on pumps, electric motors, engines, valves, automatic control systems, and related equipment.
- Perform mathematical calculations related to pump flows and volumes.
- Maintains accurate records

PHYSICAL, MENTAL AND ENVIRONMENTAL WORKING CONDITIONS

The essential functions of this position may require the employee to perform the following physical activities. Some of these requirements may be accommodated for otherwise qualified individuals requiring and requesting such accommodations.

Physical Demands

- Operates District vehicles and equipment in distribution system construction, maintenance, and repair work.
- Enters and exits a vehicle multiple times daily.
- Must be able to frequently carry, push, pull, reach, and lift equipment and parts weighing up to 100 pounds.
- Frequently stoops, kneels, crouches, crawls, and climbs during field maintenance and repair work.
- Walks, stands and crouches on narrow, slippery, or erratically moving surfaces, or uneven terrain.
- Works in an environment with exposure to dust, dirt, and significant temperature changes between cold and heat.
- Communicates orally with District staff in face-to-face, one-to-one, and group settings.
- Regularly uses a telephone and mobile radio for communication.
- Uses office equipment such as computer terminals, copiers, and FAX machines.
- Stands and walks for extended time periods.

- Hearing and vision within normal ranges with or without correction.

QUALIFICATIONS

Education, Training and/or Previous Work Experience

Any combination of experience and training that would provide the knowledge and abilities to perform the position is qualifying. A typical way to obtain the required knowledge and abilities would include the following:

- High school diploma or equivalent.
- Minimum of three (3) years of experience working in water distribution systems and water quality.

License / Certificate:

- Possession of a valid California driver's license and satisfactory driving record free from multiple or serious traffic violations or accidents for a period of at least two (2) years.
- Possession of a California State Water Resources Control Board Grade 3 Water Distribution Certificate.
- Possession of a California State Water Resources Control Board Grade 2 Water Treatment Certificate.
- Possession of an American Water Works Association Cross Connection Control Specialist certificate, or obtain within 18 months.

Other requirements:

- Completion of and satisfactory results of pre-employment drug and alcohol test; physical examination (including x-ray) indicating fitness for duty; DMV record review; and background investigation.
- This is a safety-related position subject to the District's Drug Prevention and Employee Testing Program.