

WATER PRODUCTION OPERATOR

AGENCY/DEPARTMENT:Public Works/Utilities

Reports to: Environmental Programs Manager Supervises: N/A

Conflict of Interest Code Filer: No

Approved By HR Director: Linda Matthews

Date Approved: 01/03/2005 Date of Last Revision: 10/30/2003

JOB SUMMARY: Under general supervision, operates and maintains water wells and equipment to ensure that water quality meets local, state, and federal water quality regulations and standards; performs regularly scheduled water sampling and quality control of the water system; and performs other related work as necessary.

EXAMPLES OF ESSENTIAL FUNCTIONS:

- Drives from site to site and makes daily rounds of wells, booster stations, reservoir and water storage locations; monitors safety and security of sites and reports or corrects illegal use of water.
- 2. Inspects pumps, motors and other equipment; fills salt storage containers and well oilers; calculates pump run times and pumping rates and enters data into computer.
- Removes and replaces chlorine cylinders and maintains records of chlorine consumption; reads and interprets various chart recorders, gauges, water meters, makes associated arithmetic calculations, and records results.
- 4. Performs preventive maintenance of pumps, motors, regulators, chlorine analyzers, turbidity analyzers, valves and water meters; repairs and replaces various defective or worn parts and equipment as needed.
- 5. Inspects, adjusts and performs preventative maintenance on electrical and telemetry equipment at sites; checks connections and measures equipment output.
- 6. Collects grab samples at remote sites; performs various types of field water testing including chlorine residual; adjusts chemical dosage accordingly.
- 7. Operates a 10-ton crane to pick up and replace industrial motors; operates other pieces of construction equipment and/or hand and power tools needed for the work.
- 8. Performs miscellaneous maintenance tasks on periodic basis, such as weed and debris removal, dirt road repair, pump house maintenance and painting of motors, pump lines, pump houses and other equipment.
- 9. Starts and stops pumps manually or by setting up remotely on Supervisory Control And Data Acquisition (SCADA) system; regulates water flows by controlling valves.
- 10. Reviews blueprints for mechanical, electrical, and structural components.

QUALIFICATION GUIDELINES:

EDUCATION: High School diploma or recognized equivalent.

EXPERIENCE: Two years in water treatment and maintenance.

KNOWLEDGE OF:

- State and federal water treatment regulations.
- Potable water treatment methods.
- Plumbing and construction mechanics.
- Blue print reading and interpretation.

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- Electrical principles.
- Chemistry, microbiology, and hydraulics.
- Breathing apparatus.
- > Safe use of muriatic acid.
- > Safe moving and installation of chlorine gas cylinders.
- Word processing and spreadsheet software.

ABILITY TO:

- Maintain, inspect, and service water treatment equipment, facilities, and chlorination equipment.
- Operate a computer.
- > Replace piping and valves.
- > Test electrical circuits and motors using voltmeters and other testing equipment.
- Communicate effectively orally and in writing.

LICENSES:

- Valid Class C CA drivers license and an acceptable driving record at time of appointment.
- ➤ Obtain valid Class A CA drivers license with Tanker and HazMat Endorsements within six months of appointment.

CERTIFICATIONS:

- > Treatment Grade 2 at time of appointment.
- Distribution Grade 2 at time of appointment.
- > Obtain Distribution Grade 3 certification prior to end of probation.

SPECIAL REQUIREMENTS:

DESIRABLE:

FLSA Exemption Status: Non-Exempt

Employee Unit: American Federation of State, County and Municipal Employees

DOT Program Participant: Yes

Job Family: Utilities - Technical/Field Maintenance

Career Progression:

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