



Canyon Regional Water Authority Job Description

Position Title: Ground Water Treatment Plant Operator II

Position Location: Wells Ranch Ground Water Treatment Plant

Address: 383 High Point Ridge Seguin, Texas 78155

JOB SUMMARY

Performs skilled technical work in the operation, monitoring, maintenance, and optimization of water treatment facilities. Responsible for maintaining regulatory compliance, adjusting treatment processes, monitoring water quality, and ensuring the reliable production and delivery of potable water. Exercises independent judgment in plant operations and may provide guidance to less experienced operators.

ESSENTIAL FUNCTIONS

- Operates and monitors treatment plant processes, equipment, and SCADA systems.
- Adjusts chemical feed rates and treatment processes based on changing source water and water quality conditions.
- Conducts routine and regulatory water quality sampling and laboratory analyses.
- Interprets operational data, trends, alarms, and laboratory results.
- Monitors pumps, motors, valves, filters, membrane systems, chemical feed systems, and storage facilities.
- Performs filter backwashes and other process control activities as applicable.
- Troubleshoots operational issues and implements corrective actions.
- Maintains operational logs, compliance records, and regulatory reports.
- Assists in preparing monthly operating reports and regulatory documentation.
- Performs preventive maintenance and coordinate equipment repairs.
- Responds to after-hours emergencies, treatment upsets, and distribution system issues.
- Trains and mentors entry-level operators.
- Ensures compliance with all applicable federal, state, and local regulations.
- Follows established safety procedures, participate in safety training programs, and wears required personal protective equipment (PPE).
- Performs other duties as assigned by the Ground Water Treatment Plant Manager and Ground Water Treatment Plant Lead.

KNOWLEDGE, SKILLS, AND ABILITIES

- Thorough knowledge of water treatment principles and processes.
- Knowledge of Texas drinking water regulations and reporting requirements.

- Ability to calculate chemical dosages, detention times, filtration rates, and other treatment parameters.
- Ability to interpret laboratory data and process trends.
- Ability to identify treatment process problems and implement corrective actions.
- Ability to prepare accurate reports and maintain detailed records.
- Ability to communicate effectively with operators, maintenance staff, management, and regulatory agencies.

DECISION MAKING

- The Ground Water Treatment Plant Operator II works under the Ground Water Treatment Plant Manager and Ground Water Treatment Plant Lead Operator.

MINIMUM REQUIREMENTS

- High School Diploma or GED.
- Texas Class C Ground Water Treatment License issued by the Texas Commission on Environmental Quality. Must maintain license renewals.
- Three (3) to five (5) years of progressively responsible water treatment experience.
- Strong working knowledge of Microsoft 365 products, Outlook, Adobe Acrobat Pro, SCADA system, and the GIS system.
- Ability to work rotating shifts, weekends, holidays, and emergency callouts is required.
- Must be able to respond/participate in after hour assigned/emergency work within 45 minutes' notice and live within the area to be able to respond to this requirement.
- Valid Class "C" Texas Driver's License consistent with CRWA driving policies.

PREFERRED QUALIFICATIONS

- Texas Class B Ground Water Treatment Plant License issued by the Texas Commission on Environmental Quality.
- Experience with sand filtration treatment systems.
- Experience with computerized maintenance management systems (CMMS).
- Basic mechanical, electrical, and instrumentation troubleshooting skills.

PHYSICAL DEMANDS AND WORKING CONDITIONS

- Physical requirements include lifting/carrying up to 50 pounds occasionally; pushing a maximum force of 55 pounds. Subject to standing, sitting, walking, climbing, bending, crawling, squatting, kneeling and working in cramped and strained positions for long periods of time to perform job scope.
- Working conditions can be outside with frequent exposure to inclement weather; water; mechanical, electrical, chemical and confined space hazards; offensive fumes; excessive noise; deep excavations; and animals, snakes and poisonous insects.
- Travel to different sites and locations in a CRWA company vehicle may be required.

CAREER PROGRESSION

- Ground Water Treatment Plant Operator I
- Ground Water Treatment Plant Operator II
- Ground Water Treatment Plant Lead Operator
- Ground Water Treatment Plant Manager