



Canyon Regional Water Authority Job Description

Position Title: Surface Water Treatment Plant Operator I

Position Location: Lake Dunlap Surface Water Treatment Plant

Address: 850 Lakeside Pass New Braunfels, Texas 78130

JOB SUMMARY

The Surface Water Treatment Plant Operator I performs routine operational, monitoring, maintenance, and laboratory duties associated with the treatment and distribution of potable water. Assists certified operators in ensuring compliance with state and federal drinking water regulations and maintaining reliable operation of treatment facilities.

ESSENTIAL FUNCTIONS

- Analyzes and monitors potable water production and treatment daily.
- Record operational data including flows, pressures, tank levels, chemical feed rates, and water quality results.
- Collect water samples and perform basic laboratory analyses.
- Assist with preventive maintenance activities.
- Maintain accurate operational logs and reports.
- Assist with regulatory compliance monitoring and record keeping.
- Perform housekeeping duties within plant facilities and grounds.
- Respond to emergency situations, equipment failures, and water quality incidents as directed.
- Follow all safety procedures and wear required personal protective equipment (PPE).
- Performs other duties as assigned by the Surface Water Treatment Plant Manager or Surface Water Treatment Plant Lead.

KNOWLEDGE, SKILLS, AND ABILITIES

- Knowledge of basic water treatment principles.
- Ability to understand and follow written and verbal instructions.
- Ability to maintain accurate records and reports.
- Ability to work independently after training.
- Ability to communicate effectively with coworkers and supervisors.
- Ability to recognize and report operational problems.

DECISION MAKING

- The Surface Water Operator I works under the Surface Water Treatment Plant Manager or Surface Water Treatment Plant Lead.

MINIMUM REQUIREMENTS

- High School Diploma or GED.
- Obtain a Texas Class D Surface Water Treatment License issued by the Texas Commission on Environmental Quality within 1 year of assignment. Must maintain license renewals.
- Basic computer skills and ability to learn SCADA and operational software.
- Ability to perform mathematical calculations related to water treatment operations.
- 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.

PREFERED QUALIFICATIONS

- Texas Class C Surface Water Treatment License issued by the Texas Commission on Environmental Quality.
- Experience in water utilities, construction, maintenance, mechanical systems, or laboratory work.
- Familiarity with pumps, motors, valves, and electrical equipment.

PHYSICAL DEMANDS AND WORKING CONDITIONS

- Physical requirements include lifting/carrying up to 50 pounds occasionally; pushing a minimum force of 50 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

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