

Water Treatment Plant & Systems Operator

GASQUEST COMMUNITY SERVICES DISTRICT

Effective Date: 01/31/2022

Status: Hourly range \$20-25 depending on qualifications

SUMMARY

Under supervision of the Lead Operator, General Manager, and Board of Directors, perform work activities associated with a direct filtration, Class II water treatment plant. The general work activities are plant operations, which involve water treatment theory/practice, plant equipment operation, maintenance, and repair. In addition, the operator shall perform work activities associated with the water distribution system, and must be willing to work an irregular schedule, which may include weekends, holidays, evenings, and/or varying shifts.

ESSENTIAL FUNCTIONS

Essential functions may include any of the following representative duties, knowledge, and skills. This is not a comprehensive listing of all functions and duties performed by incumbents of this class; Operator may be assigned duties which are not listed below; reasonable accommodations will be made as required. The job description does not constitute an employment agreement and is subject to change at any time by the employer.

Essential duties and responsibilities may include but are not limited to the following:

- Produce potable water for the City of Gasquet, in accordance with all state and federal regulations.
- Assist with operations of a Class II water treatment plant which includes:
 - Monitoring of gauges, flowmeters, charts, system control computer, etc.
 - Conducting water analysis tests such as hardness, alkalinity, pH, turbidity, chlorine residual, etc., for treatment process control.
 - Determine chemical feed rates and adjust chemical dosages with approval.
 - Determine and maintain proper flow rates and in accordance with water consumption demand.
 - Maintain treatment records in accordance with GCSD, state, and federal regulations.
 - Backwash filters as needed.
- Maintain records and prepare reports.
- Read and interpret drawings, diagrams, and blueprints.
- Use a variety of power and hand tools; perform a variety of related welding, carpentry, pipefitting, valve repair, and cement work.
- Understand water treatment theory/technology and apply knowledge to the water treatment process
- Conduct water analysis tests to ensure safety and water quality by collecting representative water samples and testing for contaminants and properties such as color, odor, chlorine levels, etc.
- Performs routine preventive maintenance on plant equipment to include: operating adjustments and calibrations on equipment, basic mechanical and electrical work, and cleaning, lubricating, and replacing equipment parts.
- Perform building and grounds maintenance as needed, including mowing, painting, cleaning, etc.
- Assist Safety Officer with regular safety inspections of plant equipment, facilities, and vehicle(s)
- Performs minor corrective maintenance on plant equipment.
- Assist Gasquet CSD Water Distribution Operators during emergencies or as may be required to maintain quality service to Gasquet CSD customers

MINIMUM QUALIFICATIONS

Education, Training and Experience Guidelines: High school diploma OR GED equivalent, AND two years of experience in a maintenance or technician position

Knowledge of:

- Water distribution and treatment procedures, equipment, materials, and tools used in the operation and maintenance of motors, pumps, water treatment plants, compressors, and other equipment
- Automatic and manual control valves and their maintenance
- Water quality sampling techniques
- Cross connection control
- Safe work practices
- Basic recordkeeping and report writing
- Facility and equipment testing
- Operation and maintenance of portable diesel engines, propane and gas generators
- Basic computer skills

Skill in:

- Organizing with the ability to prioritize work and exercise independent judgment, wisdom, common sense, and initiative
- Analyzing situations accurately and making effective recommendations
- Inspecting, operating, and diagnosing problems
- Performing preventative maintenance on electric motors and gas & propane engines, pumps, compressors, valves, chemical feed equipment, pressure vessels, and related equipment
- Performing water quality sampling and facility and equipment tests, including well and pump efficiency tests.
- Operating vehicles and equipment in a safe and efficient manner
- Establishing and maintaining effective working relationships with those contacted in the course of work, including City and other government officials, community groups, and the public

LICENSE AND CERTIFICATION REQUIREMENTS

- Must possess a valid California class "C" driver's license upon hire and maintain throughout the length of employment with the Gasquet CSD.
- May be required to obtain a Class "A" California driver's license.
- Must possess a California State Water Resource Control Board Water Treatment Operator Grade 2 Certificate and a Water Distribution Operator Grade 1 Certificate, or obtain both certificates within the first six (6) months of employment.
 - Note: in order to take Water Treatment Operator Grade 2 test, one must take one 3-unit (or 36-hour) course of specialized training covering the fundamentals of drinking water treatment

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

Work is performed in various environments. Physical demands consist of sitting, standing, walking, stooping, kneeling, crouching, and crawling; using hands and fingers to handle or feel objects, tools, or controls; and lifting and carrying moderately heavy objects up to 100 pounds and/or utilizing a hand dolly to move up to 160 pounds. Incumbent frequently works near moving mechanical parts, occasionally works in high, precarious places, and can be exposed to electrical hazards. Incumbent wears personal protection - protective footwear. Incumbent must be able to see and hear in the normal range, with or without correction, and communicate verbally and in written form with great facility and must be able to be understood. Incumbent must have the stamina to work long hours and overtime, if assigned, and must be willing to work an irregular schedule, which may include weekends, holidays, evenings, and/or varying shifts.