



# Water Technician 1

Established Date: May 15, 2018

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## SALARY RANGE

\_\_\_\_\_ Hourly  
\_\_\_\_\_ Biweekly  
\_\_\_\_\_ Annually

### **GENERAL PURPOSE:**

Performs a variety of journey level skills with plumbing and pipe fitting duties related to the installation, maintenance, customer service, construction practices and repairs of City Water System.

### SUPERVISION RECEIVED

Works under the general supervision of the Water Superintendent.

### SUPERVISION EXERCISED

None.

### **ESSENTIAL FUNCTIONS:**

Installs, renews, or repairs water service lines; clamp leaks on existing service lines, installs copper tubing, curb and corporations stops, and fittings for renewed or new service lines; restores property damaged as a result of construction.

Installs, renews, or repairs water mains and services; taps mains to make service connections; installs, reads, and repairs water meters and meter pits; repairs leaks in water system; raises or lowers valve boxes, curb boxes, manholes, or fire hydrants when necessary for changes of grade on streets, sidewalks, etc.; replaces or repairs non-functioning water meters, fire hydrants, fittings, and broken pipe sections.

Conducts fire flow testing for fire hydrants using specialized flow and pressure testing equipment; performs system flushing for water quality control; locates water mains and service lines; performs leak detection; flushes hydrants for water quality control.

Uses hand shovel and pick to complete fine grading or bedding of pipe; operates thawing machine to free frozen pipes and restore water service; operates service truck, light and heavy equipment to accomplish required tasks.

Operates pick-up or light truck to transport personnel, materials, or equipment to and from job site.

Monitors well site and distribution system sampling of raw and finished water; monitors system sampling as directed by Idaho Department of Environmental Quality for a variety of contaminants.

Reviews SCADA system; identifies well site problems, data reading discrepancies and need for setpoint modifications; modifies operations setpoints; notifies Water Superintendent of changes and repairs.

Does monitoring and maintenance of mechanical systems at well sites; reviews documentation of operability of pumps, motors, valves, actuators, bearings, packing and seals, heating, cooling, ventilation, meters, etc.; greases oil, and completes minor repairs for mechanical systems; documents repairs and informs supervisor of needed additional repairs; directs calibration of well site equipment.

Monitors operation City chlorinators and chlorination of City water and arsenic treatment plant; insures strict guidelines and procedures for water chlorine treatment and proper dosage; monitors and records water pressure, flow, and chlorine usage; prepares daily reports of the same.

Monitors operations and maintenance of electrical systems and monitoring systems at well sites; checks, maintains and repairs meters, electrical, motor control and telemetry cabinets, emergency generators, switch gear, relays, switches, lighting, pressure gauges, water level sensors, security sensors, interface panels, antennas, etc.

Responds to after-hour emergency and customer service calls while serving on a 1 week stand-by shift including weekends and holidays.

Assists in the plowing and removal of snow from City right-of-way as may be required.

Performs related duties as required.

**MINIMUM QUALIFICATIONS:**

1. Education and Experience

A. Graduation from high school or GED and three (3) to six (6) months of specialized training obtained through in-service vocational or technical trade school,  
OR

B. An equivalent combination of education and experience.

2. Knowledge, Skills, and Abilities:

knowledge of water distribution and treatment systems; service line problems and repair methods; pipe locating equipment and procedures; water meters; and use of meter related tools and equipment; hazards and safety precautions associated with waterline construction; waterline construction procedures and City standard drawings and specifications for waterline construction; tools used in waterline construction. Working knowledge of construction drawings and interpretations.

Ability to adapt to emergency or unusual situations; ability to tolerate extreme in the work environment; ability to perform strenuous labor; ability to operate all tools used to construct water line facilities; ability to communicate effectively, both verbally and in writing; ability to work effectively with fellow employees, supervisors and the public.

### 3. Special Qualifications:

Must possess a valid Idaho driver's license.

May be required to obtain a Class A or B Idaho Commercial Driver's License.

Must possess a Class I Water Operator Certification or obtain the same within one (1) year from date of employment.

Must possess a Class I Water Treatment Certification or obtain the same within one (1) year from date of employment.

Must complete .6 Continuing Education Units in Water annually.

May be required to possess Idaho State Backflow Assembly Tester License.

May be required to become Flagger Certified.

Residency Requirement: Shall be expected within six months of hire, to establish residence within a 15-minute notification to respond zone from the Water Department Treatment Plant.

### **WORK ENVIRONMENT:**

Tasks require variety of physical activities, generally involving muscular strain, related to walking, standing, stooping, sitting, reaching, and lifting (moving up to 50 pounds and occasionally moving up to 80 pounds). Talking, hearing and seeing essential to performing required job functions. Frequent exposure to changing weather conditions. Employee frequently works near moving mechanical parts and is frequently exposed to vibration. The employee frequently works in precarious places and is frequently exposed to fumes or airborne particles, toxic or caustic chemicals, and risk from moving traffic. Common eye, hand, finger dexterity exist. Mental application utilizes memory for details, verbal instructions, emotional stability and discriminating thinking. Daily local travel required in normal course of job performance

### **DISCLAIMER:**

The above statements describe the general nature, level, and type of work performed by the incumbent(s) assigned to this classification. They are not intended to be an exhaustive list of all

responsibilities, demands, and skills required of personnel so classified. Job descriptions are not intended to and do not imply or create any employment, compensation, or contract rights to any person or persons. Management reserves the right to add, delete, or modify any and/or all provisions of this description at any time as needed with or without notice. This job description supersedes earlier versions.