

SILVER SPRINGS MUTUAL WATER COMPANY

Position Description

UTILITY SYSTEM TECHNICIAN

DEFINITION: Under limited supervision, performs a variety of semi-skilled labor in the operation, maintenance, repair and construction of the Utilities water system and treatment plant. Performs other work as assigned.

DISTINGUISHING CHARACTERISTICS: This classification typically works under limited supervision and is required to perform the full range of duties required in water utility. The utility System Technician is expected to have the ability to perform a broad range of water system maintenance tasks.

EXAMPLES OF DUTIES: The duties listed below are examples of the work typically performed by the employees in this class. An employee may not be assigned all duties listed but may be assigned duties which are not listed below.

1. Operates the water treatment systems. Checks operations of valves, pumps, adjusts, cleans and maintains pumps, motors and their controls, injectors, valves, compressors, and other equipment.
2. Checks operation of gauges and recorders and performs routine maintenance on system instrumentation. Maintains water storage facilities, maintains auxiliary generators; replaces filters and mechanical seals, maintains daily records. Read customer meters monthly. Rotate through the On-Call schedule; work in a rotation with other personnel (two week periods) to respond to emergency call outs.
3. Monitors water quality at treatment plants and in distribution system. Collects samples of water at various points within the systems for lab analysis and performs routine tests of system to insure proper operating levels for chlorine and arsenic. Checks flow data records, records test results, gauge readings.
4. Excavates and back fills trenches using hand and power tools, repairs, installs and maintains water lines. Installs tapping saddles ,valves and perform hot taps on main lines
5. Operates equipment and performs maintenance and repair work on water system components. Participates in the maintenance of records and reports of system maintenance and repair activities.
6. Inspects facilities and observes field operations to assess conditions, needed work, and participates in the field work; responds to emergencies and handles peak work loads by assessing needed repairs; and working with others to repair lines, pumps, valves, treatment facilities, and telemetry equipment as needed.
7. Makes routine checks of equipment used for fluid levels, adjustments, and safety factors: adds fluids and makes routine adjustments; cleans equipment as necessary.

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QUALIFICATION FOR EMPLOYMENT

Knowledge and Ability:

Knowledge of basic principles, practices, methods and materials used in maintenance and operation of a water utility system; equipment and tool safety and operating procedures for treatment and distribution operations; knowledge of regulations governing the operation of municipal water treatment, distribution and storage facilities; laboratory procedures for basic, routine testing of water, plus related sample gathering and handling techniques; repair and maintenance of water utility facilities; occupational hazards and safety practices related to water system operation, repair and maintenance.

Ability to perform a variety of semi-skilled and skilled manual maintenance and construction tasks on utility equipment and facilities: diagnose, maintain accurate and legible records of activities and conditions observed; understand and follow written and verbal instructions; read and follow diagrams; perform basic arithmetic calculations; safely operate a variety of equipment and tools; work harmoniously and tactfully with other employees, contractors, representatives of organizations conducting business with SSMWC and the public including individuals having complaints regarding SSMWC services. Locate and repair problems with equipment, machinery, and water systems while working independently in the field. Operate construction equipment such as dump truck, back hoes, loaders, and vactor to excavate and make repairs to lines, pumps and other facilities.

Requirements: Be able to pass a Pre-Employment or random drug screening test. Possession of a valid Class C, Nevada Driver's License, and has a clean driving record. Must be able to obtain State of Nevada Water Distribution Grade II and Treatment II, certification within a two year time frame.

Experience and Training: Any combination of training, education and experience that would provide the required knowledge and abilities. A typical way to gain the required knowledge and ability is:

Two (2) years of experience performing construction, maintenance, repair and the operation of water facilities.

PHYSICAL DEMANDS

Strength, stamina and dexterity to sit in vehicles operating on rough roads and rough surfaces for long periods of time each day. Walk on uneven or slippery surfaces; perform heavy manual tasks using hand tools such as shovels and picks; perform repetitive motions including use of controls with hands and feet; climb up and down ladders to enter confined spaces and other areas; coordination and dexterity to adjust and make minor repairs to equipment, strength to lift and carry containers and equipment weighing in excess of 50

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pounds; visual acuity sufficient to operate equipment and read gauges in a variety of lighting conditions, including bright light, low light, and low visibility conditions, depth perception sufficient to maneuver equipment and determine position of equipment components; ability to hear changes in operation of motors, pumps and other equipment.

WORKING CONDITIONS

Work in outdoor and indoor environments with intermittent to frequent exposure each day to unpleasant elements such as vibrations, noise, dust, fumes, and odors, dampness, noise levels or extreme weather conditions including heat, rain, snow, cold, wind, and dust. Potential exposure to dangerous chemicals. Occasional work in confined areas. Work is typically performed independently and may be in isolated geographic areas.

“The Silver Springs Mutual Water Company is an equal opportunity provider and employer”