

Water Distribution Operator (Waterline Technician)

Job Information: Maintenance and Repair Workers, General

Job Title: Water Distribution Operator – Waterline Technician

Hours/Week: 40 normal but subject to call out for emergencies outside normal work hours

Benefits:

- Clothing/Uniform Allowance
- Dental Insurance
- Health Insurance
- State Retirement
- Holidays
- Sick Leave
- Vacation

JOB DESCRIPTION:

Tasks

- Make water taps and install service connections
- Repair water mains, service lines, fire hydrants, valves, etc.
- Flush fire hydrants and operate valves
- Adjust functional parts of devices and control instruments, using hand tools, levels, plumb bobs, and straightedges.
- Assemble, install and/or repair pipe systems and plumbing, machinery, and equipment.
- Clean and lubricate shafts, bearings, gears, and other parts of machinery.
- Diagnose mechanical problems and determine how to correct them, checking blueprints, repair manuals, and parts catalogs as necessary.
- Inspect drives, motors, and belts, check fluid levels, replace filters, and perform other maintenance actions, following checklists.
- Inspect, operate, and test machinery and equipment in order to diagnose machine malfunctions.
- Order parts, supplies, and equipment from catalogs and suppliers, or obtain them from storerooms.
- Paint and repair roofs, windows, doors, floors, woodwork, plaster, drywall, and other parts of building structures.
- Perform routine preventive maintenance to ensure that machines continue to run smoothly, building systems operate efficiently, and the physical condition of buildings does not deteriorate.
- Plan and lay out repair work using diagrams, drawings, blueprints, maintenance manuals, and schematic diagrams.
- Record maintenance and repair work performed and the costs of the work.
- Repair or replace defective equipment parts using hand tools and power tools, and reassemble equipment.
- Set up and operate machine tools to repair or fabricate machine parts, jigs and fixtures, and tools.
- Use tools ranging from common hand and power tools, such as hammers, hoists, saws, drills, and wrenches, to precision measuring instruments and electrical and electronic testing devices.

Work Context

Requires using hands to handle, control, or feel objects, tools or controls. Requires standing, walking and running. Requires lifting, pushing and pulling. Requires telephone conversations. Requires face-to-face discussions with individuals or teams. Requires contact with others (face-to-face, by telephone, or otherwise). Requires working in cramped work spaces and getting into

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awkward positions. Includes exposure to contaminants. Requires working in very hot (above 90° F) or very cold (below 32° F) temperatures. Includes exposure to sounds and noise levels that are distracting or uncomfortable. Requires making decisions that impact the results of co-workers, clients or the company. Requires making decisions that affect other people, the financial resources, and/or the image and reputation of the organization. Opportunity to make decisions without supervision. Requires exposure to hazardous conditions. Requires exposure to hazardous equipment. Requires exposure to minor burns, cuts, bites, or stings. Requires being exact or highly accurate. Requires meeting strict deadlines. Requires work with others in a group or team. Requires coordinating or leading others in accomplishing work activities. Includes responsibility for the health and safety of others. Requires wearing common protective or safety equipment. Requires working outdoors, exposed to all weather conditions. Job tasks are performed in close physical proximity to other people.

Work Activities

- Cut, bend, glue, join mechanically, or thread pipe for water lines
- Repair or replace water piping or fixtures
- install water mains, service lines, etc.
- adhere to safety procedures
- apply cleaning solvents
- verify levelness or verticality, using level or plumb bob
- maintain repair records
- use hand or power tools
- operate valves (close or open)
- be able to lift at least 50 lbs.
- use voltmeter, ammeter, or ohmmeter
- use basic plumbing techniques
- lubricate machinery, equipment, or parts
- read work order, instructions, formulas, or processing charts
- diagnose mechanical problems in machinery or equipment
- inspect machinery or equipment to determine adjustments or repairs needed
- maintain or repair work tools or equipment
- read blueprints
- read specifications
- requisition stock, materials, supplies or equipment
- read schematics
- read technical drawings
- use pressure gauges
- pressure test piping system or equipment for leaks
- assemble and install pipe sections, fittings, or plumbing fixtures
- use pipe fitting equipment
- install or replace meters, regulators, or related measuring or control devices
- plan or organize work
- adjust or set mechanical controls or components
- paint pipes, walls or other structural surfaces
- determine installation, service, or repair needed
- do any other assignments required to operate and maintain water system and facilities

Qualifications, Education and Experience

License, Certificate or Registration: Water Treatment Class C; Distribution Class C

Education: High School/G.E.D

Years of Experience: 1

Skills Required:

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- **Active Learning**
Understanding the implications of new information for both current and future problem-solving and decision-making.
- **Active Listening**
Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
- **Coordination**
Adjusting actions in relation to others' actions.
- **Equipment Maintenance**
Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
- **Equipment Selection**
Determining the kind of tools and equipment needed to do a job.
- **Installation**
Installing equipment, machines, wiring, or programs to meet specifications.
- **Judgment and Decision Making**
Considering the relative costs and benefits of potential actions to choose the most appropriate one.
- **Learning Strategies**
Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
- **Management of Material Resources**
Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.
- **Monitoring**
Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- **Operation Monitoring**
Watching gauges, dials, or other indicators to make sure a machine is working properly.
- **Operation and Control**
Controlling operations of equipment or systems.
- **Quality Control Analysis**
Conducting tests and inspections of products, services, or processes to evaluate quality or performance.
- **Reading Comprehension**
Understanding written sentences and paragraphs in work related documents.
- **Repairing**
Repairing machines or systems using the needed tools.
- **Service Orientation**
Actively looking for ways to help people.
- **Speaking**
Talking to others to convey information effectively.
- **Time Management**
Managing one's own time and the time of others.

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- Troubleshooting
Determining causes of operating errors and deciding what to do about it.
- Writing
Communicating effectively in writing as appropriate for the needs of the audience.

Preferred:

- Complex Problem Solving
Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
- Critical Thinking
Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Instructing
Teaching others how to do something.
- Mathematics
Using mathematics to solve problems.
- Persuasion
Persuading others to change their minds or behavior.
- Social Perceptiveness
Being aware of others' reactions and understanding why they react as they do.
- Systems Analysis
Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.
- Systems Evaluation
Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system.

Knowledge

Required:

- English Language
Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
- Mechanical
Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Public Safety and Security
Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.

Preferred:

- Building and Construction
Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
- Mathematics
Knowledge of arithmetic, and their applications.

Signature: _____

Date: _____