

WATER RESOURCES LEAK SURVEY SPECIALIST

JOB DESCRIPTION

Classification Responsibilities: A Water Resources Leak Survey Specialist is responsible for locating underground water leaks and identifying corrective and preventative actions to maintain the City of Mesa's water distribution system. A Water Resources Leak Survey Specialist generally works alone and is expected to exercise considerable initiative in moving efficiently through the day's work assignments.

An incumbent in this class performs leak surveys on various segments of the water distribution system and responds to leak calls to pinpoint and document leaks found. Considerable knowledge of the distribution system and independent judgment must be used as leak detection depends heavily on the ability to interpret survey results. A Water Resources Leak Survey Specialist is also responsible for performing utility construction work and maintaining and repairing the City's water and wastewater systems; and setting barricades and traffic cones to safely re-route traffic away from the work area. Employees in this class may operate a variety of light-to-heavy construction equipment including: jackhammer, tamper, easement machine, boring and tapping machines, and dump truck. In addition to leak survey work, incumbents are responsible for monitoring the cathodic protection stations covering over 60 miles of steel water lines in the City's water distribution system. Duties include but are not limited to: surveying and collecting data from all cathodic read stations throughout the distribution system; creating work orders and installing sacrificial anodes; and generating reports regarding the overall effectiveness of the program. This class performs related duties as required.

Distinguishing Features: This class is distinguished from other Water/Wastewater classes by its responsibility for water leak detection, pinpointing leaks using high and low frequency listening devices, and taking corrective action to repair water leaks. This class is supervised by a Water/Wastewater Field Supervisor. This class is subject to frequent emergency call-out and must be available to work scheduled stand-by and overtime on nights, weekends, and holidays as required. An employee in this class is required to use appropriate safety equipment and follow safety procedures in performing assignments. This class is FLSA nonexempt.

QUALIFICATIONS

Employee Values: All employees of the City of Mesa are expected to uphold and exhibit the City's shared employee values of Knowledge, Respect, and Integrity.

Minimum Qualifications Required. Any combination of training, education, and experience equivalent to graduation from high school or GED. Three years of full-time employment in the operation and maintenance of public water systems or underground utility construction with the responsibility for interpreting project plans, blueprints, and quarter section plat maps; or using electronic devices to locate utility lines and/or water leaks. At least one year of full-time employment with the City of Mesa as a Field Worker II or Field Utility Service Specialist - Customer Service **OR** at least two years' full-time employment with the City of Mesa as a Meter Reader or Meter Maintenance/Irrigation Technician will also be considered qualifying.

Special Requirements. Must possess a Grade I (or higher) Water Distribution System Operator certification from the Arizona Department of Environmental Quality (ADEQ) or equivalent certification from another state through reciprocity with Arizona by application date. Certification through

reciprocity must be obtained within 3 months of hire or promotion. Must possess a valid Arizona Class A Commercial Driver's License (CDL) with Tanker endorsement and no Airbrake Restrictions by hire or promotion date. Must meet the qualifications to wear a tight-fitting respirator by passing a medical evaluation in accordance with Code of Federal Regulations (CFR) 1910.134 by hire or promotion date and must maintain certification.

Substance Abuse Testing. Due to the safety and/or security sensitive nature of this classification, individuals shall be subject to Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing as outlined in 49 CFR Part 382.

Preferred/Desirable Qualifications. None.

ESSENTIAL FUNCTIONS

One position may not include all of the essential functions, knowledge and abilities listed, nor do the listed examples include all the knowledge and abilities which may be found in positions of this classification.

Communication: Communicates with the general public, other City employees, management, or others to establish and maintain effective working relationships.

Manual/Physical: Performs leak survey using detection equipment. Locates and classifies water leaks according to severity and conducts secondary risk assessments. Ability to use an L-mic to pinpoint the origin of water leaks. Sets barricades and traffic cones to safely reroute traffic away from the work area. Excavates the ground using a pick, shovel, spade, sharpshooter, or other tools to excavate at repair sites. Operates a variety of construction power equipment including: jackhammer, tamper, and star drill. Operates a motor vehicle or equipment such as a dump truck requiring a valid Arizona Class A CDL to service and maintain the City's water and wastewater system. Moves objects, tools, and equipment (up to 75 pounds) for distances of up to 50 feet to load and/or unload and place equipment/material at job site with the assistance of hand carts, power winches, or rigging equipment. Works with cleaning fluids, chemicals, polyvinyl chloride (PVC) pipe cleaner, glue, and mastic pipe sealant using normal protective equipment. Wears a respirator in order to comply with safety standards when working in confined spaces and/or around toxic chemicals. Installs saddles, clamps, and other emergency repair devices, which may be required to stop leaks in water and wastewater mains and services. Meets scheduling and attendance requirements.

Mental: Ability to interpret leak survey results in order to pinpoint leaks. Ability to operate Global Positioning System (GPS) equipment and collect accurate data.

Knowledge and Abilities:

Knowledge of:

general procedures for installing, maintaining, and repairing water and wastewater services;
safety hazards, procedures, and equipment used when working on or near underground utility lines;

tools, equipment, materials, and supplies needed for installing, maintaining, and repairing water and wastewater lines;
operating procedures for the electronic equipment used in water leak survey work; and
general layout of the City's water distribution system.

Ability to:

interact with coworkers and the general public to establish and maintain effective working relationships;
operate water leak detection equipment such as an L-mic;
maintain a high volume of work with minimal supervision;
prepare clear, concise, and thorough written reports;
operate GPS equipment; and
read plat maps and blueprints.

The duties listed above are intended only as general illustrations of the various types of work that may be performed. Specific statements of duties not included does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Job descriptions are subject to change by the City as the needs of the City and requirements of the job change.

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MZ/js/ah

CS4299.DOCX

EEO-S/M

JOB FCTN-TEC

Non-DOT Safety and Security-N

CDL-Y

RESP-Y

PAY GRADE: 45

IND-7520

SWORN-N

Non-DOT Random-N

DOT-Y

INCREMENTS 73-200