

GAS LEAK SURVEY SPECIALIST

JOB DESCRIPTION

Classification Responsibilities: A Gas Leak Survey Specialist is responsible for locating above ground and underground gas leaks and identifying corrective and preventative actions to maintain the City of Mesa's gas distribution system. A Gas 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 each segment of the gas system and responds to leak calls to pinpoint and document leaks found in accordance with the federal Department of Transportation (DOT) requirements. Considerable system knowledge and independent judgment must be used as leak detection depends heavily on how well the readings from the equipment are interpreted and compared to the type of piping and the location of the system being surveyed. In addition to leak survey work, incumbents perform aboveground corrosion maintenance work, assist with cathodic protection maintenance, and Global Positioning Satellite (GPS) data collection activities within the Gas Technical Services section.

Distinguishing Features: This class is distinguished from other Energy Resources classes by its responsibility for gas leak detection and corrective action to repair gas leaks. This class is supervised by the Gas Technical Services Supervisor. Incumbents in this class are subject to occasional emergency call-out and must be willing to work overtime 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 gas industry 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 gas leaks. At least two years' full-time employment with the City of Mesa as a Meter Reader OR one year of full-time employment with the City of Mesa as a Field Worker II, Equipment Operator II or Field Utility Service Specialist - Customer Service will also be considered qualifying.

Special Requirements. Must successfully complete operator qualification training administered by the Energy Resources Department within six months of hire/promotion into the class, and must retain qualification throughout employment in order to work on the City of Mesa's natural gas system. Must possess a valid Arizona Driver's License by hire or promotion date.

Substance Abuse Testing. This class is subject to DOT Pipeline and Hazardous Materials Safety Administration (PHMSA) drug and alcohol testing as outlined in 49 Code of Federal Regulations (CFR) Part 199.

Preferred/Desirable Qualifications. None.

ESSENTIAL FUNCTIONS

Communication: Interacts with coworkers, contractors, and the general public to establish and maintain effective working relationships.

Manual/Physical: Performs annual gas leak survey by walking over the entire gas system using gas detection equipment. Locates and classifies gas leaks according to severity, and conducts secondary risk assessments. Ability to use Combustible Gas Indicators (CGI) and probe bar to pinpoint the origin of gas leaks. Performs coating maintenance repair work on aboveground pipeline facilities. Operates a motor vehicle requiring a standard Arizona Driver's License to travel to job sites to conduct gas leak survey and respond to emergencies. Inspects exposed gas lines to determine if the condition of the line warrants coating repair, repair or replacement of line segments, or if the condition of the line is acceptable to be reburied. Meets scheduling and attendance requirements.

Mental: Ability to interpret percent gas readings and pinpoint leaks. Conducts regular gas odorization tests to determine that adequate odorant is present within the system. Ability to interpret electronic readings on tracer wires to identify breaks in the system. Ability to operate GPS equipment and collect accurate data.

Knowledge and Abilities:

Knowledge of:

Federal DOT regulations concerning leakage surveys, odorization, evaluating continuity of tracer wires, and coating of gas pipelines;
state regulations specific to the gas industry;
City policies and procedures;
operating procedures for the electronic equipment used in gas leak survey work and line locating;
general layout of the City's underground utilities; and
gas system installation, maintenance, and repair procedures.

Ability to:

identify Bluestake markings;
maintain a high volume of work with minimal supervision;
prepare clear, concise, thorough written reports;
operate and calibrate gas leak detection equipment such as Flame Ionization Units, Combustible Gas Indicators, and mobile survey units;
operate odorant-testing machines;
operate GPS equipment;
identify damaged or missing coating and repair as required on underground and aboveground gas lines;
and
evaluate severity of corrosion and third party damage to pipelines and identify repair or replace options.

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.

Revised 6/18

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INCREMENTS 47-200

PAY GRADE: 47

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