

**TITLE:** **GAS FIELD TECHNICIAN I – III**

**DEFINITION:** Under general direction, performs State and Federal compliance activities and meter installations associated with the delivery of natural gas to gas utility customers.

**REPORTS TO:** Corrosion Control Supervisor, Gas Distribution Supervisor, Gas Maintenance Supervisor, or Principal Construction Inspector.

**DISTINGUISHING CHARACTERISTICS:**

Grade Level I - Performs the journey-level duties of the classification such as surveying for leaks, responding to Underground Service Alerts, valve and/or regulator station maintenance, telemetry, and/or monitoring corrosion control systems. Level I employees may assist certified Gas Field Technicians in Grade Levels II-III with corrosion control, valve and/or regulator station maintenance, and/or telemetry.

Grade Level II - Performs moderately complex duties of the classification including corrosion control, valve and/or regulator station maintenance, and/or telemetry. Three years of experience in corrosion control, valve and/or regulator station maintenance or telemetry, is required. Additional requirements at time of appointment include a Certificate of Completion as a CP Tester for the Corrosion Control Specialty; a certificate of training through a regulator manufacturer relating to regulators fundamentals of pressure regulation and operation of pressure regulating stations for the Valve and/or Regulator Station Maintenance specialty; or a Certificate of Training in flow computers, programmable logic controllers, or remote terminal units specific to the devices currently utilized in the delivery of natural gas for the Telemetry specialty.

Grade Level III - Performs the more complex duties of the classification including corrosion control, critical valve and/or, pressure regulator station maintenance, and/or telemetry duties; maintains and repairs the AMI network; and acts in a lead capacity. Five years of experience in corrosion control, valve and/or regulator station maintenance and/or telemetry, is required. Additional requirements at time of appointment include, NACE Certification as a CP Tester (CP-1) for the Corrosion Control specialty; attendance and completion of all advanced training classes for valve and/or pressure regulator operation/maintenance for the Valve and/or Regulator Station Maintenance specialty, or . a Certificate of Completion of two years of electronics coursework in the installation, repair, and calibration of

direct and remote equipment, and instrumentation used for the transmitting of data for pressure monitoring, corrosion control monitoring, metering, and supervisory control of the flow and measurement of natural gas, or comparable coursework, for the Telemetry specialty.

**EXAMPLES OF DUTIES:**

- Surveys for leaks;
- Operates, paints, inspects, maintains, monitors, repairs, installs, troubleshoots, and removes natural gas distribution valves, pressure regulators, controls, commercial/industrial meter set assemblies, and other pipeline facilities;
- Investigates and repairs leaks on gas distribution pipeline facilities;
- Responds to, locates, and marks Underground Service Alert requests;
- Writes reports of work performed and prepares reports on daily, weekly, and monthly metering information;
- Reads and interprets sketches or diagrams of pipe system layouts;
- Performs other related duties as assigned.

Level II:

- Tests, maintains records, and monitors the cathodic protection system; maintains and repairs cathodic protection equipment; and identifies and corrects problems related to the cathodic protection system;
- Tests, maintains records and monitors the performance of all system valves and/or pressure regulator stations;
- Maintains and repairs the system valves and/or pressure regulators;
- Identifies and corrects problems related to the system valves and/or pressure districts;
- Operates, installs, inspects, repairs, calibrates, removes, and maintains records for direct and remote equipment and instrumentation used for various telemetering operations, gas odorization, gas metering, pressure regulation and gas detection;
- Installs, maintains, and troubleshoots radio and telephone telemetry systems and low voltage electric circuits; and,
- May train personnel.

Level III:

- Performs skilled gas plant work in the installation and maintenance of telemetry and control devices and Supervisory Control and Data Acquisition (SCADA) systems;
- Through SCADA, monitors and provides reports to Engineering staff relating to gas system and corrosion area operations and system pressures to ensure compliance with Department of Transportation regulations and troubleshoots system anomalies;
- Oversees the parameters for gas distribution systems operations, critical valve maintenance and/or district pressure regulation;

- Maintains, troubleshoots, and repairs the AMI network;
- Provides general oversight of corrosion functions;
- Provides general oversight of critical system valves and/or pressure regulation maintenance; and,
- May train and assist with training personnel.

**MINIMUM QUALIFICATIONS:**

- Two years of experience as a Gas Construction Worker II or Gas Field Service Representative II or equivalent position.
- A Department Operator Qualification certification for the tasks relating to the job assignment (i.e. Corrosion Control, Leak Survey, , Telemetry, Underground Service Alert Response, or Valves and/or Regulator Station Maintenance) must be obtained prior to passing probation and maintained as a condition of employment;
- Subject to the Federal Department of Transportation Pipeline and Hazardous Material Safety Administration's (PHMSA) Anti-Drug & Alcohol Misuse/Prevention Program
- Valid California motor vehicle operator's license;
- Willingness and ability to work an alternative work schedule, overtime, weekends, holidays, irregular hours, and be on-call, as needed.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

- Knowledge of natural gas pipeline distribution systems;
- Knowledge of industry standards and principles for construction, installation, repair or maintenance of natural gas distribution systems;
- Ability to safely lift and move objects weighing up to 50 pounds;
- Ability to enter confined spaces;
- Ability to work from heights;
- Ability to operate a computer, tablet, or other electronic devices;
- Ability to communicate effectively both orally and in writing, and
- Ability to perform mathematical calculations.

**HISTORY:**

Established: 09/15/2015

Approval/Adoption Dates:

City Council Adopted: 01/22/2019

Civil Service Commission Approval: 04/10/2019

Revised: 09/15/2021