

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: Gas Maintenance Supervisor or Gas Distribution Supervisor

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the journey-level duties of the classification such as surveying for leaks, responding to Underground Service Alerts, and monitoring corrosion control systems. Level I employees may assist higher-level, certified Gas Field Technicians with telemetry or advanced corrosion control duties.

Grade Level II - Performs moderately complex duties of the classification including corrosion control, valve, and regulator station maintenance, and/or telemetry.

Grade Level III - Performs the more complex corrosion control and/or telemetry duties; maintains and repairs the AMI network; and acts in a lead capacity.

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;
- 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 systems operations;
- Maintains, troubleshoots, and repairs the AMI network;
- Provides general oversight of corrosion functions; and,
- May train and assist with training personnel.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Knowledge of gas operated valve control equipment, programmable logic controllers, electronic pressure and temperature transmitters, orifice meters, turbine meters, timers, alarms, flow computers and digital multimeters used for corrosion control monitoring, metering, supervisory control of the flow and measurement of natural gas; (Grade II and III)
- The ability to safely lift and move objects weighing up to 50 pounds, enter confined spaces, and work from heights;
- Ability to operate a personal computer, tablet, or other electronic devices;
- Ability to communicate effectively both orally and in writing, and perform mathematical calculations.

MINIMUM QUALIFICATIONS:

- Grade Level I: Three 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. leak survey, corrosion control, valves and regulator maintenance, or telemetry) must be obtained within the probationary period;
- Grade Level II: Three years of experience in corrosion control, regulator/valve maintenance or telemetry and NACE Certification as a CP Tester, a Certificate of Training through a regulator manufacturer relating to regulators fundamentals of pressure regulation and operation of pressure regulating stations, or a Certificate of Training in flow computers, programmable logic controllers, or remote terminal units;
- Grade Level III: - Five years of experience in corrosion control, regulator/valve maintenance or telemetry and NACE CP Technician certification 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;

- All employees in these classifications are 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.

DESIRABLE QUALIFICATION:

- Bilingual skills are desirable for some positions; (bullets at left margin, with semicolons, justified, last bullet with period)
- Knowledge of California federal and state laws prohibiting the use of marijuana in public areas.

HISTORY:

Established: 09/15/2015
Approval/Adoption Date: 04/10/2019
Grade III established: 9/13/2016