



**CITY OF LONG BEACH  
CLASSIFICATION SPECIFICATION**

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**TITLE:               GAS INSTRUMENT TECHNICIAN**

**DEFINITION:** Under general supervision, removes, installs, inspects, adjusts, repairs, and calibrates all direct and remote equipment and instrumentation used for the transmitting of data for corrosion monitoring, pumping, metering, and supervisory control of the flow and measurement of natural gas.

**REPORTS TO:** Gas Distribution Supervisor I

**EXAMPLES OF DUTIES:**

- Removes, installs, inspects, adjusts, repairs, and calibrates all direct and remote equipment and instrumentation used for the transmitting of data for corrosion monitoring, pumping, metering, and supervisory control of the flow and measurement of natural gas;
- Fills and maintains gas odorant injection systems and adjusts injection pumps to ensure compliance with DOT odorant requirements;
- Performs dew point, moisture, and H<sub>2</sub>S tests;
- Performs gas sampling and laboratory gas quality analysis;
- Reads industrial gas and water meters;
- Prepares reports of daily, weekly, and monthly metering information;
- Repairs, maintains, and calibrates instruments used for detection of natural gas leaks, carbon monoxide, and other gases;
- Maintains records of instrument repair, calibrations, adjustments, moisture, and H<sub>2</sub>S content;
- Installs low voltage electric circuits;
- Maintains electronic tools and lap top computer software used in performing these duties;
- Installs, maintains, and troubleshoots radio and telephone telemetry systems;
- Maintains computer (SCADA) screens and functions;
- Performs other related duties as required.

**MINIMUM REQUIREMENTS:**

One year of recent experience, education, and/or training in the installation, repair, and calibration of direct and remote equipment and instrumentation used for the transmitting of data for corrosion control monitoring, pumping, metering, and supervisory control of the flow and measurement of natural gas;

Knowledge of electric motor valve control circuits or gas operated valve control equipment, programmable logic controllers, electronic-mechanical and electronic transmitters and receivers, orifice meters, turbine meters, regulators, pressure and temperature transmitters, differential pressure flow meters, timers and alarms, and flow computers used for corrosion control monitoring, pumping, metering, supervisory control of the flow and measurement of natural gas, computers and Windows based operating systems, and theory of radio and telephone SCADA systems;

Willingness to work various shifts, overtime, weekends, holidays, and irregular hours as needed;

Willingness to be on call as needed;

Must comply with the Anti-Drug Program as required by the Department of Transportation;

A valid California motor vehicle operator's license.

**HISTORY:**

- Revised: 9-1-74, 2-21-90;
- Title changed from Gas Orifice Meter Technician: 6-26-02
- Approved/Adopted: 6-26-02