

TITLE: PIPELINE WELDER / LAYOUT FITTER

DEFINITION: Under supervision, performs specialized welds on gas and water mains using arc and oxyacetylene processes. Also performs a variety of welding assignments using heliarc and brazing processes.

EXAMPLES OF DUTIES:

- Performs position and overhead welds and layout on pipe fittings, tie-ins, and branch connections;
- Repairs and installs parts for equipment, machinery, piping, tools, and other metal objects in accordance with appropriate industry standards;
- Does cutting, fitting and brazing;
- Makes polyethylene fusions;
- Makes both oxyacetylene and electric welds of all types under difficult conditions (e.g., in excavations, under emergency time limits, on high stress/tension pipes, etc.);
- Works in or near the presence of "live" natural gas performing work which may permit gas to escape;
- Maintains and adjusts gas, water, and electric welding equipment;
- Interprets and works from engineering drawings;
- Observes and enforces safety rules and regulations;
- Drives department vehicles;
- Performs other related duties as required.

MINIMUM QUALIFICATIONS:

A. American Society of Mechanical Engineers (ASME) Section 9 and/or American Petroleum Institute (API) 1104 certification AND two years of experience welding pipelines that must include Pipe Fitter experience.

OR

B. Certificate of Completion from a Pipe Fitter program, related coursework, or apprenticeship AND two years of experience welding pipelines.

- A valid motor vehicle operator's license.

Required to complete the Department of Transportation oxyacetylene and S.M.A.W. (shielded metal arc welding) certifications and the Long Beach Utilities polyethylene plastic pipe joining fusion certification prior to passing probation and re-certify annually.

Required to comply with the Anti-Drug and Alcohol Program as required by the Federal Department of Transportation regulations on an ongoing basis and with the Long Beach Utilities Department Operator Qualification Program based on department standards and maintained on an ongoing basis.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Skilled in performing a variety of welding or pipe-joining techniques;
- Skilled in utilizing various electric powered grinders, saws, and hand tools;
- Skilled in performing pipeline layout;
- Ability to work in strenuous conditions;
- Ability to interpret and work from engineering drawings;
- Ability to apply occupational hazards and safety regulations, policies, and procedures to enforce a safe work environment.

HISTORY:

Established: 01/13/1983

Division of Welder classification, eliminated skill pay for pipeline welder 08/1983

Revised: 06/03/2025 (Title changed from Pipeline Welder)