

## **GAS FITTER**

**PURPOSE:** Install gas services and repair water and gas leaks.

### **FUNCTIONAL AREAS**

1. Perform work to install gas services.
  - \* A. Perform work to connect, disconnect and remove overland gas lines.
  - \* B. Perform installations of gas regulators and meter bars.
  - \* C. Perform work to drill through and repair basement walls.
  - \* D. Perform work to measure, cut, and thread pipes (by hand or machine).
  - \* E. Make necessary connections to house piping.
  - \* F. Inspect for gas leaks and light pilots and burners.
  - \* G. Perform work to plumb in meter loops and relocate meters when necessary.
  
2. Perform work to repair gas and water leaks.
  - \* A. Perform work to shut off service.
  - \* B. Perform work to disassemble defective lines, make necessary repairs or replace pipes, redope joints and reassemble lines.
  - \* C. Perform work to replace damaged and defective fittings.
  - \* D. Perform work to restore services and inspect for leaks.
  - \* E. Adjust and light gas appliances.
  
3. Perform related work as necessary.
  - \* A. Conduct flow tests on service lines.
  - \* B. Perform work to plumb in hard case meters.
  - \* C. Perform work to connect gas appliances.
  - \* D. Maintain tools and equipment in a safe and proper working condition.
  - \* E. Train personnel in correct and safe methods and procedures necessary to accomplish their assigned work.
  - \* F. Maintain records.
  - \* G. Attend required training sessions.
  - \* H. Inspect gas-fired equipment for proper hookup.
  - \* I. Investigate customer complaints and provide courteous service.

### **JOB REQUIREMENTS**

1. **Education and Experience Requirements**
  - \*\* A. Certification by the Joint Apprenticeship Training Committee upon completion of the City of Duluth Utility Serviceperson Program; or
  - \*\* B. An acceptable combination of three years verifiable education and/or experience which demonstrates possession of the following knowledge, skill and ability requirements.
  
2. **License Requirement**
  - \*\* A. Possession of a valid Minnesota Class "D" driver's license or privilege by the date of appointment and thereafter.

3. Knowledge Requirements

- \*\* A. Knowledge of the principles, methods, equipment and materials used in water and gas utility service work, gas venting, gas plumbing repairs, installation and repair of water and gas meters and regulators.
- \*\* B. Knowledge of usability testing of water and gas lines.
- \*\* C. Knowledge of applicable safety precautions and safe work methods.
- \*\* D. Basic knowledge of State and City codes for plumbing, wiring and venting.

4. Skill Requirements

- \*\* A. Skill in diagnosing and repairing water and gas service problems.
- \*\* B. Skill in using hand and power tools.

5. Ability Requirements

- \*\* A. Ability to obtain knowledge of the principles, methods, equipment and materials used in gas equipment repair.
- \*\* B. Ability to read schematic drawings.
- \*\* C. Ability to diagnose electrical and mechanical malfunctions.
- \*\* D. Ability to operate motorized equipment.
- \*\* E. Ability to instruct and supervise subordinate employees.
- \*\* F. Ability to develop and maintain effective working relationships with co-workers and the public.
- \*\* G. Ability to connect gas services to existing house piping and perform related tasks.
- \*\* H. Ability to install and remove gas pressure regulators.
- \*\* I. Ability to make air tests and flow tests on gas services.
- \*\* J. Ability to install and connect gas appliances.
- \*\* K. Ability to work outside year-round.
- \*\* L. Ability to work from ladders and scaffolds.
- \*\* M. Ability to lift, carry with assistance and position tools and equipment weighing up to 100 pounds.
- \*\* N. Ability to use hand and power tools such as 24" pipe wrench, 3/8" hammer drill, cut-off saw, etc.
- \*\* O. Ability to read and interpret tools such as electronic multi meter, ruler, pipe locator, etc.
- \*\* P. Ability to work expanded shifts and/or be called in for emergency work with little or no advance notice.
- \*\* Q. Ability to frequently kneel and stoop when working on equipment.

\* Essential function of the classification on the first day of employment.

\*\* Minimum requirements necessary on the first day of employment.

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| HR: KG   | Union: Basic | EEOC: Skilled Craft Workers    | CSB: 20020806 | Class No: 4240       |
| WC: 7502 | Pay: 29      | EEOF: Utilities/Transportation | CC: 20020909  | Resolution: 02-0604R |