

APPLIANCE MECHANIC APPRENTICE

PURPOSE: As a part of an approved Joint Apprenticeship Training Program, acquire the knowledge to, and perform skilled diagnostic and service work on gas-fired equipment, and perform general water and gas service.

FUNCTIONS:

1. As a part of an approved Joint Apprenticeship Training Program, acquire the knowledge to, and perform skilled diagnostic and service work on gas-fired equipment.

- *A. Inspect, diagnose, maintain, repair, install, and adjust gas-fired equipment and appliances in accordance with all applicable codes and ordinances.
- *B. Inspect, diagnose, maintain, repair, install, and adjust electrical or electronic motors and controls, including electronic ignition devices in accordance with all applicable codes and ordinances.
- *C. Inspect, diagnose, maintain, repair, install, and adjust mechanical items and controls, such as mechanical safeties on gas or hot water, motor bearings, zone valves, etc.
- *D. Conduct various approved tests in order to adjust, repair, or replace equipment to ensure safe and efficient operation.
- *E. Inspect, diagnose, maintain, repair, install, and adjust plumbing on gas-fired equipment in accordance with all applicable codes and ordinances.

2. Perform general water and gas service work.

- *A. Diagnose and repair leaks in water and gas lines.
- *B. Inspect, diagnose, maintain, repair, install, and adjust gas regulators and meters.
- *C. Perform bleeding procedures on water and gas lines.
- *D. Maintain tools and equipment in a safe and proper working condition.
- *E. Operate service vehicle.
- *F. Perform conversions of gas-fired equipment between LP (propane) and natural gas.
- *G. Investigate and determine cause(s) of unusually high or low water and gas bills.
- *H. Provide information on gas-fired equipment and courteous service to customers.
- *I. Prepare appropriate reports.
- *J. Attend required training sessions.
- *K. Perform installation and removals of water meters, gas meters, regulators and reliefs.

MINIMUM QUALIFICATIONS:

1. Education and Experience

- **A. Ability to transport oneself and the equipment, tools, supplies, and parts used in the work to and from service sites. This can be demonstrated by the possession of a valid Minnesota Driver's License or equivalent.
- **B. Certification by the Joint Apprenticeship Training Committee upon completion of Water & Gas Utility Service Person Program; or
- **C. An acceptable combination of four years verifiable education and/or experience which demonstrates possession of the following knowledge, skill, and ability requirements.

2. Knowledge and Skill Requirements

- **A. Knowledge of the principles, method, equipment, and materials used in water and gas utility service work, gas venting, and gas plumbing repairs.
- **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.

- **E. Skill in diagnosing and repairing water and gas service problems.
- **F. Skill in using hand and power tools.

3. 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 complete the training program as approved by the Joint Apprenticeship Training Committee.
- **H. Ability to work outside year-round.
- **I. Ability to work from ladders and scaffolds.
- **J. Ability to lift, carry with assistance, and position tools and equipment weighing up to 100 pounds.
- **K. Ability to use hand and power tools such as 24" pipe wrench, 3/8" hammer drill, cut-off saw, etc.
- **L. Ability to read and interpret tools such as electronic multimeter, ruler, pipe locator, etc.
- **M. Ability to attend work on a regular basis.

4. Other Requirements

- **A. Will be subject to periodic random drug testing as required by the U.S. Department of Transportation, Pipeline Safety regulations, part 199.

*Essential functions of the classification.

**Job requirements necessary on the first day of employment

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| WC: 7502 | Pay: 26A-27E* (30*) | EEOF: Utilities/Transportation | CC: 19981221 | Resolution: 98-1056R |