

## REGULATOR MECHANIC

**PURPOSE:** To perform skilled work related to the maintenance and repair of the water and gas distribution systems.

### FUNCTIONAL AREAS:

1. Perform skilled work involved in the maintenance, adjustment and repair of gas regulators, reliefs, water pressure reducers, surge arresters, air & altitude valves.
  - \* A. Perform work to diagnose the cause of equipment malfunctions.
  - \* B. Perform work to clean, repair, and rebuild water and gas pressure regulators and reducers.
  - \* C. Perform work to calibrate and test regulators.
  - \* D. Establish a temporary bypass system to maintain gas or water services during a scheduled testing, installation, or maintenance.
  - \* E. Perform work to ventilate and pump manholes, vaults or other confined spaces and monitor oxygen, H<sub>2</sub>S, and combustible levels of confined spaces.
  - \* F. Perform work to cut, fit, thread and tap pipes.
  - \* G. Perform work to install valves.
  - \* H. Perform work to build gas regulators and relief stations from engineering blue prints and/or drawings .
2. Perform related work as assigned.
  - \* A. Respond, evaluate, and act in accordance with established department and City policies and procedures to ensure the safety of self, property and the public.
  - \* B. Perform duties related to property maintenance, such as moving and storing inventory.
  - \* C. Operate service vehicles..
  - \* D. Prepare and maintain records and reports.
  - \* E. Attend required training session..
  - \* F. Investigate customer complaints and provide courteous service.

### JOB REQUIREMENTS

1. Education/Experience and License Requirements:
  - ▼ A. Completion of the City of Duluth Water & Gas Maintenance apprenticeship program or Utility Operator apprenticeship program.
  - ◆ B. Possession of a valid Minnesota Driver's license or privilege by date of appointment and thereafter.

Knowledge Requirements:

- ▼ A. Knowledge of the methods, equipment and materials used in plumbing, pipe fitting, and related trades as they apply to water and gas distribution.
- ▼ B. Knowledge of construction work methods and procedures related to maintenance and repair of water and gas distribution systems.
- ▼ C. Knowledge of the use, operation and maintenance of pumps and compressors.
- ▼ D. Knowledge of the use, operations and maintenance of threading and tapping machines.
- ▼ E. Knowledge of the use, operation and maintenance of fittings, valves and regulators and reliefs.
- ▼ F. Knowledge of applicable safety precautions and safe work methods.
- ▼ G. Knowledge of OSHA and MNOPS regulations.

Skill Requirements:

- ▼ A. Skill in diagnosing and repairing water and gas regulated system problems.
- ▼ B. Skill in the use of hand and power tools.

Ability Requirements:

- ▼ A. Ability to operate motorized equipment.
- ▼ B. Ability to establish and maintain relationships with co-workers.
- ▼ C. Ability to use hand and power tools.
- ▼ D. Ability to work outside year-round.
- ▼ E. Ability to diagnose and repair distribution failures.
- ▼ F. Ability to lift, carry and position tools and equipment weighing up to 100 pounds..
- ▼ G. Ability to instruct and lead subordinate employees.
- ▼ H. Ability to attend work on a regular basis.
- ▼ I. Ability to complete on-the-job training program in order to perform skilled technical, diagnostic, inspection, installation, and repair work of gas regulators, reliefs, water pressure reducers, surge arresters, and air and altitude valves.

\* Essential functions of the job

- ▼ Job requirements necessary on the first day of employment

Rate: H6	Class: 4207	Union: Basic	Pay: 29	CS: 20080805
CG: 2008 0922	Res: 08-0553R	CEOC: Skilled Craft	CEOF: Utilities/Transportation	WG: 7502