Water Meter Technician

FLSA Status: Covered
Bargaining Unit: District Council of Trade Unions (DCTU)

General Summary

Positions in this broad class repair test and maintain water meters and backflow devices.

Water Meter Technician I - 30000142

Distinguishing Characteristics

The journey level of this class typically repairs, maintains, calibrates and tests small water meters (two inches and less in size and of positive displacement type) and backflow devices in the field and shop, and may calibrate large commercial and industrial meters with guidance from higher-level employees. It is distinguished from the Utility Worker class by its specialized knowledge of water meters and backflow devices, and direction of others in performing related service.

Typical Duties/Examples of Work

1. Tests the accuracy of small water meters (two inches and less in size and of positive displacement type), in the field and shop using electronic and calibrated metering devices.

2. Inspects, tests and maintains, and repairs backflow prevention devices; analyzes test results to determine the necessity and extent of repairs.

3. Installs and repairs small water meters and backflow devices using various hand and power tools and torches; operates and maintains meter service truck.

4. Installs automated meter readers, including radios and touch pads.

5. Analyzes sites for hazardous conditions such as confined space entry; sets up traffic control at job sites.

6. Maintains records, supplies and equipment; keeps service vehicle stocked appropriately; carries out all required safety procedures, including required use of safety equipment.

7. As assigned, directs work of a crew; and is responsible for worker safety, review of work, and training and guidance in duties.

8. Assists in calibration of large industrial and commercial meters (greater than two inches in size and of compound, turbine, or combination type).

9. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: tools, materials, processes and techniques of water meter and backflow device testing and repair; troubleshooting techniques

Ability to: maintain records; communicate effectively; establish and maintain effective working relationships with co-workers; work constructively in a team

Skill in: repairing, troubleshooting, maintaining, and installing water meters and backflow devices

Special Requirements

Valid state driver's license; ability to obtain backflow tester certification within six months of hire.

Classification History:

Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99.

This class is composed of the following classes:
1718 Water Meter Technician Adopted 12-15-81

Revised: 8-25-04: Distinguishing characteristics and related duties clarified and revised.
June 2009 - Change Job Class number from 1718 to 30000142, due to system change.

Water Meter Technician II - 30000143

Distinguishing Characteristics

The senior journey level of this class typically repairs, maintains, calibrates and tests large and small water meters in a shop setting, ensures the accuracy of large commercial and industrial meters (greater than two inches in size and of compound, turbine or combination type), and directs others in performing related service, including guiding and overseeing the work of Water Meter Technician I's.

It is distinguished from the Water Meter Technician I class by its responsibility for maintaining meter inventories; for calibrating and providing technical guidance in the calibration of large meters; and for having a higher level of authority in working with customers.

Typical Duties/Examples of Work

1. Calibrates, tests and repairs large and small meters in the shop, and performs field duties as necessary.

2. Maintains inventory and records, researches meter assemblies, and prepares orders for parts.

3. Maintains records, supplies and equipment; determines materials needed; and keeps the meter shop stocked appropriately.

4. Carries out all required safety procedures; ensures the use of required safety equipment.

5. As assigned, directs work of a crew, including Water Meter Technician I's; and is responsible for worker safety, review or work, and training and guidance in duties.

6. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: tools, materials, processes and techniques of water meter and backflow device testing, repair and calibration; troubleshooting techniques

Ability to: maintain inventory, maintain records; communicate effectively; establish and maintain effective working relationships with others; work constructively in a team; communicate technical information to customers and bureau staff

Skill in: repairing, calibrating, troubleshooting, maintaining, and installing water meters and backflow devices

Special Requirements

Valid state driver's license; ability to obtain backflow tester certification within six months of hire.

Classification History:
Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99.

Revised: 8-25-04: Distinguishing characteristics and related duties clarified and revised.
June 2009 - Change Job Class number from 1719 to 30000143, due to system change.

Working Conditions

Work in this class is typically performed in both a shop and field environment. Incumbent is typically required to lift up to 50 pounds; to work outdoors in all weather conditions; to work in confined spaces; to work in and around traffic.