

## **WATER LEAK DETECTION TECHNICIAN**

Code No.: 4-14-400  
COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This is a technical position at the Monroe County Water Authority (MCWA) responsible for the locating water main leaks in order to reduce lost water and cross contamination. Duties involve conducting leak detection surveys (non-intrusive method of 'listening' for water leak sounds in underground, pressurized pipes), the correlation of leaks (pin-pointing the exact location), analyzing water main breaks, and evaluating water consumption in various areas of the entire system. Duties are performed in compliance with requirements established by the New York State Department of Conservation. The employee reports directly to, and works under the general supervision of the Superintendent of Plant Maintenance or other higher-level staff member. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Locates MCWA's water mains and services as required for leak locations;

Locates sources of water leaks utilizing specialized equipment;

Locates areas to be surveyed and investigated;

Collects and tabulates data and prepares reports;

Checks and operates hydrants, curb and valve boxes for leaks utilizing acoustic leak detection methods;

Participates in the layout of known leak locations;

Maintains records of leak locations and areas surveyed;

Works on specialized valves such as pressure reducing valves, including checking and adjusting valves when necessary.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of the principles, techniques, and equipment used in acoustical leak detection; good knowledge of proper methods and procedures used to excavate for repairs and installation of facilities related to a water distribution system; good knowledge and understanding of appropriate safety practices; good knowledge of the cause and effect relationship between customer water service problems and general distribution system operations; ability to determine possible customer cross-connections and assess risk to water supply; ability to read maps and construction drawings and make sketches; ability to establish and maintain good working relationships with others; ability to maintain records of leak locations and areas surveyed; ability to communicate orally and in writing; ability to follow written and oral instructions; ability to work in inclement weather; good judgment; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma plus three (3) years paid full-time or its part-time equivalent experience in the maintenance or installation of water services and mains and hydrants and appurtenances, two (2) years of which must have been in water leak detection surveying or leak detection correlation.

**SPECIAL REQUIREMENTS:** If you are appointed, you will be required to have a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

Monroe County Civil Service Commission

**ADOPTED:** November 4, 2021

