

MAINTENANCE MECHANIC I (LEAK SURVEILLANCE)

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, an incumbent performs apprentice level leak surveillance, working in situations which provide training to develop knowledge and skill in using the electronic equipment with locates leaks in water distribution systems and wastewater collection systems. The incumbent participates in the repair of mains, hydrants, drains, etc. The incumbent works independently on less complex and routine projects and under supervision on the more difficult jobs. As the employee's skill and knowledge increase, the employee receives less direction until at full performance level. Advancement depends on the assignment and performance of higher level duties on a regular basis and on position availability. In general, jobs involve learning such trade practices and skills as: the proper use of tools and equipment of the trade; the order of assembling parts and what tools and equipment are needed; how to read blueprints, sketches and technical manuals to understand the functions of the parts or systems, to plan and lay out work, to find faulty parts, to perform work; repair techniques to be used including methods used in getting the right fits or tolerances; how to make adjustments and calibrations. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Locates leaks and obstructions in underground water and wastewater lines using electronic detection equipment;

Fabricates repairs of pipe, mains, pumps and other equipment;

Inspects, tests, lubricates and maintains hydrants;

Maintains equipment and tools in good working condition;

Assists in the excavation of drains and lines;

Assists in conducting field surveys of water distribution systems and wastewater collection systems;

Performs routine and emergency repairs and maintenance, both scheduled and in response to emergency situations as required.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Knowledge of water distribution system; familiarity with the safety precautions of the trade; ability to make mechanical repairs; ability to use leak detection equipment; ability to work with others; ability to carry out oral and written directions; perseverance; reliability; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) high school or equivalency diploma and three years experience in the repair and installation of mechanical equipment, one year of which must have involved water or wastewater equipment; or (b) five years of experience as listed in (a) including the one year of specialized experience; or (c) a satisfactory equivalent combination of the foregoing training and experience as defined by the limits of (a) and (b).

SPECIAL REQUIREMENT: Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.