

LEAK DETECTION TECHNICIAN LEADER

NATURE OF WORK IN THIS CLASS:

Leads crew and performs complex skilled work in the leak detection monitoring.

Employees perform full range of complex skilled tasks under general supervision and leads less skilled workers on assigned tasks.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned; any one position may not include all the duties listed)

Leads in water leak survey and pinpointing using leak detection equipment to find hidden, unreported leaks in the water distribution system.

Provide report of all locations where water use, meter sounds or possible leak sounds exist.

Lead the review detailed distribution system maps and locate Pressure Reducing Valves (PRV's), forgotten valves, or other system apparatus that might make the suspect sound.

If possible cause of the sound is found, the sound should be isolated and identified.

Lead the creation and recording of found leaks on Computerized Maintenance Management System (CMMS).

Provide GWA Systems Control Center (SCC) and Geographic Information System (GIS) a record of found leaks, utilizing leak detection form and Global Positioning System (GPS) technology.

Coordinate the assistance required by water maintenance operators, leak repair crews and contractors in locating water leaks daily or during emergency situations.

Lead job site safety, traffic control, cleanliness and security.

Lead maintenance and calibration of all leak detection equipment.

Perform sequential actions to locate leaks by applying knowledge of leak detection practices.

Lead the preparation of field reports and documentation of completed tasks.

Prepares and provides reports of assigned and completed reports of lower level technicians as requested.

Lead the coordination with GIS for updates of the plotted leak detection areas and develop programs for infrastructure rehabilitation.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of water meters, distribution system, valves, hydrants, PRVs (Pressure Reducing Valve), air release valves, distribution system maps and curb stops on customer service connection piping.

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Ability to estimate leak flows.

Knowledge in operating leak detection equipment (acoustic listeners and correlators)

Knowledge in the use and basic maintenance of mechanical equipment, including pumps, power generators, drills, motors, valves and hydrants.

Knowledge to pinpoint water losses and points of water loss using leak detection equipment to find hidden, unreported leaks in the water distribution system.

Ability to maintain leak detection database for water losses and reporting.

Knowledge of maintenance and calibration of leak detection equipment.

Ability to apply safe work practices on the job.

Ability to work effectively with the public and employees.

Ability to understand and follow oral and written instructions.

Ability to perform arduous physical tasks and work in strained and awkward positions.

MINIMUM EXPERIENCE AND TRAINING:

- A) Three (3) years of experience in the water construction, maintenance and repair of water lines and related systems; or
- B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

NECESSARY SPECIAL QUALIFICATIONS:

Possession of a valid Water Distribution or Water Treatment Operator's Certificate Level I; *and*

Possession of a valid Guam Driver's License;

ESTABLISHED:

JOB EVALUATION POINTS:

PAYGRADE:

553

MINIMUM: J5-D \$49,821

MAXIMUM: J6-D \$51,843



JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities