



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

CROSS CONNECTION TECHNICIAN

Group-Section: Water System Operations Group	FLSA Status: Non-Exempt Bargaining Unit: AFSCME	Salary Grade: 43 Job #: XA09
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JOB SUMMARY

This is the journey level position performing Cross Connection Technician job duties.

DISTINGUISHING CHARACTERISTICS

Positions at the journey level are fully competent and assisting in cross connection control in compliance with drinking water regulations. This position under the functional direction of the Senior Cross Connection Technician is responsible for testing and repairing backflow prevention assemblies throughout Metropolitan's facilities. Use judgment in interpreting and adapting guidelines such as policies, regulations, precedents, and work directions for application to specific cases or problems. The decision regarding what needs to be done depends upon the analysis of the subject, phase, or issues involved in each assignment, and the chosen course of action may have to be selected from many alternatives. The work involves treating a variety of conventional problems, questions, or situations in conformance with established criteria.

OVERSIGHT

Supervision Received: The supervisor makes assignments by defining objectives, priorities, and deadlines; and assists employee with unusual situations that do not have clear precedents. The employee plans and carries out the successive steps and handles problems and deviations in the work assignment in accordance with instructions, policies, previous training, or accepted practices in the occupation. Completed work is usually evaluated for technical soundness, appropriateness, and conformity to policy and requirements. The methods used in arriving at the end results are not usually reviewed in detail.

Supervision Given: May act as a lead. May coordinate and review work assignments of employees performing the same general work as the lead on a day-to-day basis. Responsibilities may involve solving problems and providing instructions on work procedures.

JOB DUTIES

1. Tests and repairs backflow prevention assemblies.
2. Conducts cross-connection surveys of facilities. Maintains records of cross-connection surveys, recommendations for corrections, types of assemblies to be installed, and follow-up reports of compliance.
3. Recommends locations and types of backflow prevention assemblies to be installed based on the degree of hazard.
4. Maintains regulatory records of backflow prevention assembly installations, tests, and repairs.
5. Designs backflow prevention assignments, criteria, and components by applying engineering theories and principles.

6. Conducts field inspections and testing to check performance or conformity with established plans and specifications for multiple counties.
7. Prepares, maintains and reports statistical, technical, or analytical engineering related data.
8. Prepares correspondence, analyses, calculations, and other materials.
9. Provides emergency response.
10. May participate on a project team.
11. Performs other related Cross Connection Technician job duties as required.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: High school diploma or general education development test (GED) and eight years of relevant experience.

Required Knowledge of: Theories and principles of engineering; drinking water regulations related to cross connections and backflow prevention; water conveyance and distribution systems; water treatment processes; chemistry; mathematics; health and safety requirements; and current office technology and equipment.

Required Skills and Abilities to: Make presentations; perform calculations; spreadsheets; apply safe work practices; read and understand contract specifications, and drawings; analyze; plan and organize work; use independent judgment and exercise discretion; problem solve; prioritize and multi-task; communicate clearly and concisely, both verbally and in writing; establish and maintain effective working relationships with those contacted in the course of work; work independently and in a team environment; and operate current office equipment including computers and supporting applications.

CERTIFICATES, LICENSES, AND REGISTRATIONS REQUIREMENTS

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

Certificates

- Backflow Prevention Device Tester certification from multiple counties

Licenses

- Valid California Class C Driver License that allows you to drive in the course of your employment

Registrations

- None

PHYSICAL DEMANDS, WORK ENVIRONMENT, AND VISION REQUIREMENTS

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the job duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the job duties.

Physical Demands: The work requires some physical exertion such as long periods of standing; walking over rough, uneven, or rocky surfaces; recurring bending, crouching, stooping, stretching, reaching, or similar activities; recurring lifting of moderately heavy items such as personal computers and record boxes. The work may require specific, but common, physical characteristics and abilities such as above-average agility and dexterity.

Work Environment: The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress that require a range of safety and other precautions, e.g., irritant chemicals, electrically energized equipment including high voltage systems, working at great heights under extreme outdoor weather conditions, or similar situations where conditions cannot be controlled.

Vision Requirements: No special vision requirements.