

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

PRINCIPAL BACKFLOW AND CROSS CONNECTION SPECIALIST- 1731

DEFINITION:

Under general supervision, to supervise and inspect the work of a team of Senior Backflow and Cross Connection Specialists and ensure the safety of public health by coordinating and conducting routine inspections to examine potential cross connections between potable water systems and recycled water systems.

* **EXAMPLES OF DUTIES:**

- Serves as primary inspector on the more complex inspections and as a lead on all inspections;
- Develops and applies testing procedures;
- Identifies, locates, and tests required backflow prevention devices designed to prevent pollutants and/or contaminants from entering the City's potable water system;
- Performs field surveys and inspections of various buildings, facilities, irrigation systems and other public and private property where potable water is serviced in order to ensure compliance with federal, state, and City of San Diego cross connection regulations;
- Issues and follows through on citations and notices of violation as appropriate;
- Inspects and identifies potential cross connections to determine adequacy of water service protection;
- Conducts pre-construction inspections and compares project sites to submitted plans;
- Monitors the progress of contractors during system construction and inspects recycled plumbing systems upon project completion;
- Researches property profiles, construction documents, blueprints and schematics in order to determine backflow/recycled water requirements and optimal locations;
- Coordinates and conducts shutdown tests of water supplies to verify there are no cross connections;
- Sets gauges on potable systems and records corresponding data;
- Performs online research utilizing various mainframe-based databases;
- Performs plan check services for fire services, commercial projects and reclaimed water sites to certify backflow compliance;
- Generates a variety of memoranda and other documents utilizing personal computers;
- Maintains automated information storage and retrieval systems in order to accurately and efficiently record inspection history;
- Maintains complete site inspection files;
- Offers technical support and meets with potential customers, contractors and consultants;
- Performs related duties.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Two years of full-time experience as a Backflow and Cross Connection Specialist with the City of San Diego; **OR** four years of full-time professional experience conducting complex field investigations to identify, locate and test backflow prevention devices; inspecting and identifying potential cross connections to determine adequacy of water service protection; and reviewing/interpreting construction documents, blueprints, and schematics to perform investigation of user sites; **AND** possession of an American Water Works Association (AWWA) or American Backflow Prevention Association (ABPA) Certification as a Cross-Connection Control Specialist. Possession of a valid California Class C Driver license.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.