

**CLASS SPECIFICATION**

**SAN DIEGO CITY CIVIL SERVICE COMMISSION**

**PRINCIPAL BACKFLOW AND CROSS CONNECTION SPECIALIST SUPERVISOR – 1733**

**DEFINITION:**

Under direction, to oversee, plan, direct, and coordinate and serve as a second-level supervisor over the Cross Connection Control Program; to supervise and inspect the work of a team of Principal Backflow and Cross Connection Specialists; to ensure the safety of public health by coordinating and conducting routine inspections between potable water systems and recycled water systems; and to perform related duties.

**\* EXAMPLES OF DUTIES:**

- Manages and directs certified Cross Connection Control Specialists;
- Acts as resident inspector for backflow requirements and cross connection risks on major construction projects;
- Ensures compliance with service connections for domestic, irrigation, fire suppression, and recycled water services;
- Administers backflow prevention software;
- Prepares regulatory compliance reporting;
- Assists Principal Backflow and Cross Connection Specialists on the more complex inspections;
- Develops and applies testing procedures;
- Oversees the cross connection and backflow matters for both potable water systems and recycled water systems;
- Trains staff to identify, locate, and test required backflow prevention devices;
- Directs the work of staff to perform field surveys and inspections of various buildings, facilities, irrigation systems, and other public and private property where potable water or recycled water is serviced in order to ensure compliance with federal, state, and City of San Diego cross connection regulations;
- Reviews, responds to, and resolves escalating issues pertaining to notices of violations;
- Trains staff to inspect and identify potential cross connections to determine adequacy of water service protection;
- Leads pre-construction inspections and compares project sites to submitted plans and City standards;
- 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;
- Sets gauges on potable systems and records corresponding data;
- Performs online research utilizing various mainframe-based databases;
- Directs staff to perform plan check services for fire services, commercial projects, and reclaimed water sites to certify backflow compliance;

\* **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.

- Maintains automated information storage and retrieval systems in order to accurately and efficiently record inspection history;
- Monitors and reports on required backflow testing;
- Addresses escalated needs associated with technical support and meeting with potential customers, contractors and consultants;
- Prepares, certifies, and submits reports to federal, state, and City regulatory agencies;
- Implements training plans for cross connection control staff.

**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 Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Three years of full-time experience as a Backflow and Cross Connection Specialist with the City of San Diego, **OR** five 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. A valid California Class C Driver license is required.