

**CLASS SPECIFICATION**

**SAN DIEGO CITY CIVIL SERVICE COMMISSION**

**SENIOR BACKFLOW AND CROSS CONNECTION SPECIALIST - 1729**

**DEFINITION:**

Under general supervision, to perform routine inspections to examine potential cross connections between potable water systems and recycled water systems; and to perform related work.

**\* EXAMPLES OF DUTIES:**

- 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 service, commercial projects, and reclaimed water sites to certify backflow compliance;
- Generates a variety of memoranda and other documents utilizing personal computers;
- Maintains complete site inspection files;
- Offers technical support and meets with potential customers, contractors, and consultants;
- Performs related duties.

\* **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.

**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>.

Associate's Degree in Backflow/Cross Connection Control, Water Treatment Plant Operator, Water Distribution Systems Operations, Wastewater Collection Systems, Wastewater Treatment Operator, Wastewater Technology Education, or Water Technology Education; **OR** Associate's Degree in any field, **AND** a Certificate of Achievement from an accredited college or university in Backflow/Cross Connection Control, Water Treatment Plant Operator, Water Distribution Systems Operations, Wastewater Collection Systems, Wastewater Treatment Operator, Wastewater Technology Education, or Water Technology Education; **OR** Certificate of Achievement from an accredited college or university in Backflow/Cross Connection Control, Water Treatment Plant Operator, Water Distribution Systems Operations, Wastewater Collection Systems, Wastewater Treatment Operator, Wastewater Technology Education, or Water Technology Education, **AND** one year of full-time experience conducting field investigations to identify, locate, and test backflow prevention devices; inspect and identify potential cross connections to determine adequacy of water service protection; and review/interpret construction documents, blueprints and schematics to perform investigation of user sites; **OR** two years of full-time experience conducting field investigations to identify, locate, and test backflow prevention devices; inspect and identify potential cross connections to determine adequacy of water service protection; and review/interpret construction documents, blueprints and schematics to perform investigation of user sites. A valid American Water Works Association (AWWA) or American Backflow Prevention Association (ABPA) Certification as a Cross Connection Control Specialist is required at the time of hire.