

CITY OF OCEANSIDE

REVISED: JULY 2006
JOB CODE: 2226CE
UNIT: OCEA

CLASS SPECIFICATION

CROSS CONNECTION CONTROL TECHNICIAN

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general supervision, to perform a variety of work in connection with implementing and enforcing the City's Cross Connection Control Program; to inspect and repair City-owned backflow devices for compliance with regulations; to maintain appropriate records, files, and documents; to respond to customer complaints and water distribution problems; and to perform related work as required.

DEFINITION

This is a single position class requiring specialized knowledge of the City's Cross-Connection Control Program. This position assumes a high level of responsibility for coordinating and implementing program activities. Employees at this level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit.

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

Perform a variety of work in connection with implementing and enforcing the City's Cross Connection Control Program; perform field inspections of various buildings, facilities, irrigation systems, and other properties where potable water is delivered in order to ensure compliance with Federal, State, and City Cross-Connection regulations; review and research construction documents, blueprints, and schematics to determine backflow requirements and locations; perform plan checks to certify proper backflow compliance; test, inspect and repair City-owned backflow assemblies for compliance with regulations; install backflow devices as necessary throughout the City; track and monitor pressure zones throughout the water distribution system; adjust flows and make necessary adjustments to a variety of valves throughout the system; check mainline pressure regulators; perform or schedule necessary repairs; test, repair, and calibrate water meters to ensure meter accuracy; install water meters, flow meters, regulators, line valves and other appurtenances used in the water distribution system; flush and clean waterlines and reservoirs; maintain appropriate records, files, and documents; respond to customer complaints and water distribution problems including water pressure calls; performs related duties and responsibilities as required.

MINIMUM QUALIFICATIONS

Knowledge of:

- Federal, State, and City regulations related to the Cross Connection Control Program.
- Methods, practices, materials, tools, and equipment used in the construction, maintenance and repair of water distribution systems including those used in the repair, testing, and installation of backflow devices.
- Basic plumbing and piping systems.
- Safe work practices and techniques.
- Basic arithmetic.
- Methods and techniques of water distribution computer operating systems.
- Principles and procedures of filing and record keeping.
- Modern office procedures, methods and equipment, including computers.
- Water quality procedures and City policy regarding water quality.

Ability to:

- Enforce Cross Connection Control regulations and rules through investigation and identification of non-compliance and seek resolutions.
- Conduct backflow, pressure, and flow tests.
- Install and repair backflow devices.
- Read blueprints and determine appropriate placement of backflow devices.
- Operate a variety of mechanized equipment.
- Operate applicable office equipment.
- Effectively respond to water quality customer complaints.
- Maintain and update accurate records and files.
- Prepare clear and concise reports.
- Perform basic arithmetic calculations accurately.
- Work independently and efficiently to carry out assignments.
- Lead the work of others in performing backflow tests, repair, and maintenance duties.
- Communicate clearly and concisely, both orally and in writing.
- Understand and carry out oral and written instructions.
- Establish and maintain effective relationships with those contacted in the course of work.
- Monitor and perform the full range of routine maintenance and emergency repairs to existing City water infrastructure.

Experience and Training Guidelines

Experience: Three (3) years of construction, maintenance, and repair experience, including experience in the maintenance and repair of water distribution systems and backflow devices.

Training: Equivalent to the completion of the twelfth grade, supplemented by specialized training in cross connection control and in the maintenance and repair of water distribution systems.

License or Certificate: Possession of a valid certification as a Backflow Prevention General Tester and Cross Connection Control Specialist; Water Distribution Operator III; and Recycled Water Sight Supervisor; possession of an appropriate, valid driver's license.

WORKING CONDITIONS

Environmental Conditions: Water distribution system environment; exposure to noise, dust, grease, smoke, fumes, gases, potentially hazardous chemicals; work with water.

Physical Conditions: Essential functions may require maintaining physical condition necessary for walking, standing or sitting for prolonged periods of time; moderate or light lifting; operating motorized equipment.