



**Job Code:** 0428  
**FLSA:** NE  
**Unit:** PCEA  
**Revised:** 4/90

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## **WATER QUALITY TECHNICIAN**

### **DEFINITION**

Under the general direction of the Utility Planning Manager, performs a variety of responsible duties necessary to ensure the maintenance of required water and wastewater standards. Inspects backflow, cross connect and other water and sewer public improvements to ensure compliance with city, state and regional requirements. Supervises assigned staff. Performs related work as required.

### **SUPERVISION RECEIVED/EXERCISED**

Receives immediate supervision from the Utility Planning Manager.

### **TYPICAL DUTIES**

1. Performs a variety of chemical, bacteriological, and physical tests and procedures to ensure water and wastewater quality standards are maintained. Analyzes, interprets, records and prepares reports on the results.
2. Oversees newly installed City and private backflow devices and performs periodic operational tests of all City devices to ensure compliance with City requirements.
3. Participates in the inspection of newly installed water and sewer lines to ensure compliance with cross connection and discharge standards.
4. Participates in the review of water and wastewater public improvement plans to identify construction problems. Recommends solutions to such problems.
5. Responds to public inquiries and complaints regarding water quality. Performs necessary and/or required tests to identify and recommend measures to correct any problems found.
6. Maintains and prepares a variety of reports and records associated with assigned duties.
7. Coordinates activities with other City personnel. Provide technical assistance as appropriate.

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8. Ensures City's laboratory maintains state accreditation certificate.

**MINIMUM QUALIFICATIONS**

**Knowledge of:**

1. Approved methods of water and/or wastewater testing and analysis as contained in the latest edition of **Standard Methods of the Examination of Water and Wastewater.**
2. Proper and required methods, materials and standards for water and/or sewage treatment installations and conveyances.
3. Proper methods, materials and standards for the installation and testing of backflow prevention devices.

**Skill to:**

1. Read, evaluate and interpret complex construction drawings and technical reports.
2. Understand the function of various backflow prevention devices and perform functional testing of same, as required.
3. Perform water and wastewater tests and analysis.
4. Interpret test results.
5. Prepare written and oral reports.
6. Institute programs required by state and federal agencies.
7. Operate lab analysis equipment and personal computer.
8. Work independently.

**Education/Experience**

Equivalent to an AA degree in chemistry, biology or microbiology and two years progressively responsible experience in water/wastewater analysis; or a BA degree in chemistry, biology or microbiology.

**License**

Possession of a U.S.C. Certificate in Backflow Prevention Device Testing or the ability to obtain the certificate within one year of employment.

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