

WATER QUALITY TECHNICIAN I

DEFINITION

Under general supervision, performs duties relating to water quality, including water quality sampling and cross connection control programs and duties related to water treatment facilities; performs duties relating to preventative maintenance of water valve systems and fire hydrants; and performs related work, as required.

DISTINGUISHING CHARACTERISTICS

This is an entry-level position in the water quality classification, working under the supervision of a Water Quality Supervisor. Work is performed under direct supervision while following established policies, procedures, and regulations.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Collects water samples and performs duties associated with the cross connection control program; installs, maintains, exercises, tests, and repairs valves, air-vacs, hydrants, and blow offs; performs duties related to operation of water-treatment facilities; investigates and repairs valve hydrant leaks and reports service interruptions or shutdowns; digs and backfills trenches when necessary; cleans mains and flushes the water system; operates and maintains equipment such as trucks, air compressors, jackhammers, and a variety of power and hand tools; performs a variety of related pipefitting, valve repair, and cement and asphalt work; responds to customer inquiries; reads and interprets drawings, diagrams, and blueprints; maintains daily and weekly work logs and maintenance files on valves, hydrants, and air-vacs; adheres to safety standards as prescribed in the *Injury and Illness Prevention Plan*; may participate in emergency call duty on a rotation basis, as required; utilizes computer software programs competently; communicates effectively, both orally and in writing; routinely adheres to and maintains a positive attitude; maintains effective work relationships with supervisor, fellow City employees, customers, and outside agencies; operates vehicles and equipment in a safe and efficient manner; and performs related duties and responsibilities, as required.

EMPLOYMENT STANDARDS

Training & Experience - Graduation from high school, or GED equivalent, and one year of experience in water systems maintenance.

Knowledge & Abilities - **Knowledge of:** Water quality sampling techniques; water distribution systems related to valves and hydrants; cross connection control; pipefitting, asphalt, and concrete work; tools and equipment used in the installation, maintenance, and repair of water valves, hydrants, and related water services; equipment operation, maintenance and repair principles and practices; and safety precautions and procedures used in water service work. **Ability to:** Perform duties associated with water quality sampling; repair, install, and maintain water hydrants and valves; operate power-driven equipment used in valve preventative maintenance work; perform a variety of skilled water system maintenance work; read and interpret plans, drawings, and specifications; interface and communicate effectively with other departments; effectively present instructions and information in writing and verbally to coworkers, the general public, and outside agencies; use patience, tact, diplomacy, and courtesy in dealing with the public and employees; routinely adhere to and maintain a positive attitude; establish and maintain effective working relationships with those contacted in the course of work, including City and other government officials, community groups, and the general public; apply safe work practices; and operate vehicles and equipment in a safe and efficient manner.

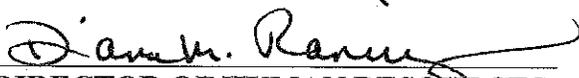
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Licenses & Certificates - Must possess a valid, unrestricted Class "C" California driver's license. Must possess a California Department of Public Health Water Treatment Operator Grade 1 Certificate and a Distribution Operator Grade 1 Certificate (Grade 2 desired).

WORKING CONDITIONS

Work is performed in an outdoor environment. Incumbent shall be exposed to those conditions normally encountered in an outdoor environment. Physical demands consist of sitting, standing, walking, stooping, kneeling, crouching, and crawling; using hands and fingers to handle or feel objects, tools, or controls; and lifting and carrying moderately heavy objects up to 100 pounds and/or utilizing a hand dolly to move up to 160 pounds. Incumbent frequently works near moving mechanical parts, occasionally works in high, precarious places, and can be exposed to electrical shock. Incumbent wears personal protection-protective footwear. Incumbent must be able to see and hear in the normal range, with or without correction, and communicate verbally and in written form with great facility, and must be able to be understood. Incumbent must have the stamina to work long hours and overtime, if assigned, and must be willing to work an irregular schedule, which may include weekends, holidays, evenings, and/or varying shifts.

APPROVED: 
DIRECTOR OF HUMAN RESOURCES

DATE: August 11, 2008

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications **may not include all** duties performed by individuals within a classification. In addition, specifications are intended to outline the **minimum** qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.
Shared/jobdescriptions (Final)/ Water/WaterQualityTechnicianI/03-17-08/jlr