

CITY OF HUNTINGTON BEACH
CLASS SPECIFICATION



TITLE: WATER SYSTEMS TECHNICIAN III **DATE: AUGUST 18, 2004**

PERSONNEL COMMISSION APPROVAL: JULY 21, 2021 (Revised)

COUNCIL APPROVAL: AUGUST 18, 2004

JOB CODE: 0370
EMPLOYMENT STATUS: REGULAR FULL-TIME
UNIT REPRESENTATION: HBMTMEA
FLSA STATUS: NON-EXEMPT
EEOC CODE: TECHNICIANS

DUTIES SUMMARY

With general supervision, performs a variety of skilled mechanical and electrical control system work to operate, maintain and repair various machinery, components, and facilities of the City's water production and flood control systems. ~~tasks in the maintenance of the City's water production plant, and performs other duties as required within the scope of the classification.~~

SUPERVISION RECEIVED AND EXERCISED

Reports to: Water Operations Crewleader

DISTINGUISHING CHARACTERISTICS

The Water System Technician ~~III, Senior~~ is the advanced journey-level classification in the Water Systems Technician job series and position with responsibility for performing the full range of water systems work. ~~skilled mechanical tasks.~~ It is distinguished from the Water System Technician ~~I and II~~ by the broad range of experience, specialized water system work, and certification requirements, and the ability to manage multiple priorities throughout the day. ~~and reports to the Water Production Supervisor.~~

EXAMPLES OF ESSENTIAL DUTIES

- Travels to various locations to conduct daily inspections of all water production facilities, water storage facilities, and flood control stations; identifies any improper functioning of equipment or operations
- Maintains electric motors and maintains and, repairs natural gas engines, chlorine gas-feed systems, installs, overhauls and operates water treatment equipment, hydraulic and mechanical systems, computerized telemetry and control systems,

CITY OF HUNTINGTON BEACH

CLASS SPECIFICATION



TITLE: WATER SYSTEMS TECHNICIAN III

DATE: AUGUST 18, 2004

~~large industrial engines and electric motors~~, power transmission components and drivelines, and pumps used in municipal water supply production and flood control systems, sometimes working from heights or in confined spaces well as storm drain pump stations.

- Operates supervisory control and data acquisition (SCADA) system
- Installs and maintains water, gas, air and other plumbing and hydraulic lines.
- Monitors reservoirs; observes and records readings from various reservoir measuring devices
- Participates~~Assists~~ in the construction, operation and maintenance of chemical treatment plants and filtration systems.
- Removes and replaces chlorine cylinders and maintains record of chlorine consumption
- Computes dosage and concentration of various chemicals for maintenance of the water system.
- Trouble shoots~~Maintains, –and repairs, and troubleshoots~~ Cla-Val automatic pressure reducing valves and controls ~~computer based control and telemetry systems, transmitters, receivers and telephone lines.~~
- Transports and offloads ~~Delivers~~ fluoride to the water system facilities.
- Maintains accurate logs, records and files of work performed and materials and equipment used;
- Provides guidance to junior level staff; assumes work of Leadworker during absence
- s~~Supports~~ and actively promotes the City's safety programs, participates in the sections Confined Space Rescue Team, including using SCBA ; and HAZWOPER
- a~~Assists~~ with periodic safety inspections; identifies and corrects safety hazards.
- Responds to emergency calls for service on a call-out basis, and works outside of normal business hours, as needed
- Performs other related duties as required.

The preceding duties have been provided as examples of the essential types of work performed by positions within this job classification. The City, at its discretion, may add, modify, change or rescind work assignments as needed.

MINIMUM QUALIFICATIONS

Any combination of education, training, and experience that would likely provide the knowledge, skills, and abilities to successfully perform in the position is qualifying. A typical combination includes:

Knowledge of:

CITY OF HUNTINGTON BEACH

CLASS SPECIFICATION



TITLE: WATER SYSTEMS TECHNICIAN III

DATE: AUGUST 18, 2004

- State and federal water treatment regulations
- Principles, practices, tools, equipment and materials/supplies required to maintain, operate and control water production systems, reservoirs, and flood control stations
- Metal fabrication, welding, cutting, pipe fitting, and soldering
- Operational and maintenance practices of electrical motors, pumps, and circuitry
- Principles of mechanical, electrical and hydraulic systems
- Principles and methods of water testing and treatment
- Equipment safety policies and procedures; a variety of water production procedures and techniques; machinery, equipment and tools necessary for the maintenance and repair of water systems; occupational hazards and safety precautions applicable for maintenance and repair work.

Ability to:

- Perform advanced journey-level work in the maintenance and repair of water production and flood control facilities and systems
- Operate supervisory control and data acquisition (SCADA) system
- Read and follow work orders and instructions;
- Perform a variety of water production maintenance tasks; using hand, pneumatic, and power tools;
- Follow safety practices and recognize hazards;
- Carry out work assignments as instructed;
- Maintain accurate records;
- Communicate effectively orally and in writing;
- Establish and maintain cooperative work relationships with those contacted in the course of work.
- Travel to offsite locations within a reasonable timeframe
- Use desktop computers, tablets, and office software, including word processing and spreadsheet applications

Education: The equivalent of a High School diploma or equivalent certificate.

Experience: Three (3) years of water system maintenance experience in the mechanical, electrical, and chemical maintenance and repair of water production systems.

Certifications/License:

Possession of a valid California Class C driver license with an acceptable driving record at time of hire and throughout employment. A California Class B motor vehicle

CITY OF HUNTINGTON BEACH

CLASS SPECIFICATION



TITLE: WATER SYSTEMS TECHNICIAN III

DATE: AUGUST 18, 2004

operator's driver license with HAZMAT and Tank Vehicle Endorsements required within one (1) year of hire/appointment to position.

Grade 2 State of California Water Treatment Grade II Operator Certification and Grade 1 Water Distribution Operator Certificate issued by the California State Water Resources Control Board required. Class B with HAZMAT Handler permit.

NOTE: Water certification requirements are effective January 1, 2007 for City employees in their current position. Candidates, including City employees, placed into a position on or after August 18, 2004 must meet the water certification requirement upon date of promotion or hire.

SPECIAL CONDITIONS

Positions in this classification are deemed safety sensitive under Department of Transportation (DOT) and Federal Motor Carrier Safety Administration (FMSCA) regulations and subject to drug and alcohol testing.

Employees regularly assigned/required to drive a City or personal vehicle in the course and scope of work shall be required to participate in the DMV Employer Pull Notice program.

Public Employee Disaster Service Worker: In accordance with Government Code Section 3100, all Huntington Beach city employees are required to perform assigned disaster service worker duties in the event of an emergency or a disaster.

PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS — Work involves exposure to potential physical harm, dangerous machinery, and performs moderate to heavy work in all types of weather. There is frequent need to stand, stoop, walk, climb, balance, lift heavy objects up to 75 pounds and perform other similar actions during the course of the workday. Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.

The incumbent must be able to meet the physical requirements of the class and have mobility, balance, coordination, vision, hearing and dexterity levels appropriate to the duties to be performed.

Work is primarily performed outdoors (field work) with exposure to the weather and may also include contact with hot and cold surfaces, loud noises from equipment and vehicle engines, vibrations, working in close proximity to moving mechanical parts (mechanical hazards), electrical current (electrical hazards), vehicular traffic and confined spaces.

CITY OF HUNTINGTON BEACH

CLASS SPECIFICATION



TITLE: WATER SYSTEMS TECHNICIAN III

DATE: AUGUST 18, 2004

Exposure to potential natural irritants such as vegetation, dust, soil, tree pollens, and sawdust. Exposure to chemicals including but not limited to gasoline, diesel, chlorine, fluoride, motor oil, grease, ammonia, bleach, cleansers, volatile organic compounds, fertilizers, and non-restricted pesticides. Must be able to stand for long periods and/or walk long distances; some walking may occur on sloping, slippery and/or uneven surfaces. Requires mobility to sit, stand, kneel, crawl, climb, crouch, stoop, reach, and bend. Requires ability to twist at the lower body, at the waist, and at the upper body. Requires mobility of both arms to reach and dexterity of hands to grasp and manipulate small and large objects or tools from overhead or ground positions. Work involves grasping, lifting, pushing, pulling, moving and dragging of objects which may weigh approximately 50 to 100 pounds with the use of proper equipment or assistance. Requires hand, arm, and upper body strength to operate power equipment. Required to wear protective apparel including hardhats, gloves, goggles, self-contained breathing apparatus (SCBA), respirators, face protectors, ear protection, aprons, coveralls, and steel-toed shoes. May be required to work at heights above ground level or in confined spaces. Incumbent may be required to respond to after-hours emergencies within a reasonable time period.

Reasonable accommodations for an individual with a qualified disability will be considered on a case-by-case basis.

Revised 12-01

8-18-04

June, 2021/pa