

## CITY OF HUNTINGTON BEACH

### CLASS SPECIFICATION



**TITLE: WATER SYSTEMS TECHNICIAN III**

**PERSONNEL COMMISSION APPROVAL: JULY 21, 2021 (Revised)**

**COUNCIL APPROVAL: AUGUST 18, 2004**

<b>JOB CODE:</b>	<b>0370</b>
<b>EMPLOYMENT STATUS:</b>	<b>REGULAR FULL-TIME</b>
<b>UNIT REPRESENTATION:</b>	<b>HBMT</b>
<b>FLSA STATUS:</b>	<b>NON-EXEMPT</b>
<b>EEOC CODE:</b>	<b>TECHNICIANS</b>

### **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.

### **SUPERVISION RECEIVED AND EXERCISED**

Reports to: Water Operations Crewleader

### **DISTINGUISHING CHARACTERISTICS**

The Water System Technician III is the advanced journey-level classification in the Water Systems Technician job series and performs the full range of water systems work. It is distinguished from the Water System Technician I and II by the broad range of experience, specialized water system work, certification requirements, and the ability to manage multiple priorities throughout the day.

### **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, , 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
- Operates supervisory control and data acquisition (SCADA) system
- Installs and maintains water, gas, air and other plumbing and hydraulic lines

## CITY OF HUNTINGTON BEACH

### CLASS SPECIFICATION



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- Monitors reservoirs; observes and records readings from various reservoir measuring devices
- Participates 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
- Maintains, repairs, and troubleshoots Cla-Val automatic pressure reducing valves and controls
- Transports and offloads fluoride to 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
- Supports and actively promotes the City's safety programs, participates in the sections Confined Space Rescue Team, including using SCBA and HAZWOPER
- 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:**

- 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

## CITY OF HUNTINGTON BEACH

### CLASS SPECIFICATION



#### TITLE: WATER SYSTEMS TECHNICIAN III

- 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:** High school diploma or equivalent certificate.

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

#### Certifications/License:

A valid California Class C driver license with an acceptable driving record at time of hire and throughout employment. A California Class B driver license with HAZMAT and Tank Vehicle Endorsements required within one (1) year of hire/appointment to position.

Grade 2 Water Treatment Operator Certificate and Grade 1 Water Distribution Operator Certificate issued by the California State Water Resources Control Board required

#### 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.

## CITY OF HUNTINGTON BEACH

### CLASS SPECIFICATION



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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**

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. 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