



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

## WATER TREATMENT PLANT OPERATOR II

<b>Group-Section:</b> Water System Operations Group	<b>FLSA Status:</b> Non-Exempt <b>Bargaining Unit:</b> AFSCME	<b>Salary Grade:</b> 40 <b>Job #:</b> TA19
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### JOB SUMMARY

This is the intermediate level position performing Water Treatment Plant Operator II job duties.

### DISTINGUISHING CHARACTERISTICS

This is the intermediate level position that operates various water treatment processes and equipment under the general direction of a Water Treatment Plant Operator III. This position may also perform the functions of a Water Treatment Plant Operator III in direct charge of a water treatment facility for a set day or for a limited number of shifts. A Water Treatment Plant Operator II would be expected to be well versed in all the subsystems within the plant. However, they would not be expected to understand how these subsystems interact together and affect the overall performance of the water treatment plant.

### OVERSIGHT

**Supervision Received:** The supervisor provides continuing or individual assignments by indicating generally what is to be done, limitations, quality and quantity expected, deadlines, and priority of assignments. The supervisor provides additional, specific instructions for new, difficult, or unusual assignments including suggested work methods or advice on source material available. The employee uses initiative in carrying out recurring assignments independently without specific instruction, but refers deviations, problems, and unfamiliar situations not covered by instructions to the supervisor for decision or help. The supervisor assures that finished work and methods used are technically accurate and in compliance with instructions or established procedures. Review of the work increases with more difficult assignments if the employee has not previously performed similar assignments.

**Supervision Given:** None

### JOB DUTIES

1. Receives on the job training and experience as a shift operator.
2. May serve as a Shift Operator in direct charge of the operation of a water treatment facility a specified period of the day for a limited number of shifts.
3. Monitors, troubleshoots and operates individual water treatment processes, and appurtenant systems such as solids removal, dewatering, gray water disposal and emergency power systems either manually or using the Supervisory Control and Data Acquisition system.
4. Conducts onsite inspections to operate water treatment processes and other appurtenant systems such as solids removal, de-watering, gray water disposal, and emergency power system. Performs minor troubleshooting on these appurtenant systems.
5. Collects water samples and performs water quality analyses. Interprets their results and recommends water treatment processes adjustments to the shift operator based on the results. Calibrates laboratory equipment and verifies online instrumentation. Conducts quality assurance and quality control analyses.

6. Notifies the Shift Operator of adverse monitoring results or operational issues and recommends corrective action to Shift Operator.
7. Responds to incidental and emergency chemical releases under the direction of the shift operator or Incident Commander according to established protocols.
8. Performs light maintenance and calibration of instruments.
9. Executes switching and valving instructions. Assists in the preparation of switching and valving instructions.
10. Assists in evaluating the chemical usage and current inventory. Assists in ordering and scheduling chemical deliveries to maintain adequate chemical storage. Receives chemicals according to established procedures for security, quality and safety, which may include mixing and diluting chemicals.
11. Acts as the on-site operator while maintenance activities or critical operations are being performed.
12. Assists with developing procedures and operations manuals.
13. Creates, oversees, and maintains records, reports and logs associated with sub system and components within a water treatment facility and its associated distribution systems.
14. Performs other related Water Treatment Plant Operator job duties as required.

## **EMPLOYMENT STANDARDS**

### **MINIMUM QUALIFICATIONS**

**Education and Experience:** High school diploma or general education development test (GED) and five years of water related experience with three years as a water treatment operator at a surface water treatment plant; or three years as a Water Treatment Plant Operator I at MWD.

**Required Knowledge of:** Surface water treatment processes and related support systems; applicable water treatment laws and regulations; laboratory procedures for process control sampling; water quality instrumentation; applicable safety practices; mathematics; safe handling of chemicals; Supervisory Control and Data Acquisition Systems; and current office technology and equipment.

**Required Skills and Abilities to:** Operate and troubleshoot individual surface water treatment processes including coagulation, flocculation, sedimentation, disinfection and filtration; operate chemical feed systems; perform water quality analyses; analyze and interpret data; maintain data, records, and logs; respond to emergency situations; operate Supervisory Control and Data Acquisition Systems; prepare reports and correspondence; understand and follow instructions; problem solve; prioritize and multi-task; communicate clearly and concisely, both verbally and in writing; establish and maintain effective working relationships with those contacted in the course of work; work independently and in a team environment; and operate current office equipment including computers and supporting applications.

## **CERTIFICATIONS, LICENSES, AND REGISTRATION REQUIREMENTS**

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

### **Certificates**

- State of California Water Treatment Certification Grade III
- Self Contained Breathing Apparatus Certification
- Chemical Responder Certification
- Forklift Certification

### **Licenses**

- Valid California Class C Driver License that allows you to drive in the course of your employment

### **Registrations**

- None

## **PHYSICAL DEMANDS, WORK ENVIRONMENT, AND VISION REQUIREMENTS**

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the job duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the job duties.

**Physical Demands:** The work requires considerable and strenuous physical exertion such as frequent climbing of tall ladders, lifting heavy objects over 50 pounds, and crouching or crawling in restricted areas.

**Work Environment:** The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress that require a range of safety and other precautions, e.g., irritant chemicals, electrically energized equipment including high voltage systems, working at great heights under extreme outdoor weather conditions, or similar situations where conditions cannot be controlled.

**Vision Requirements:** Color vision (ability to identify and distinguish colors)

**Expectations of Hours of Service, Emergency and Stand-by Service:** Employees in this position may be required to work rotating shifts and/or stand-by service to address operational needs and emergencies as required. May be required to work extended periods away from the normal reporting location. Must be able to work rotating shifts.