



## **TREATMENT PLANT MECHANIC OPERATOR IN TRAINING (OIT)/ TREATMENT PLANT MECHANIC**

### **DEFINITION**

To perform a variety of skilled tasks necessary to maintain the equipment and structures of the Water Pollution Control Facility.

### **SUPERVISION RECEIVED AND EXERCISED**

Immediate supervision is provided by the Treatment Plant Superintendent or designee. Technical or functional supervision is also provided by higher level Water Pollution Control Operator or Mechanic(s). The Treatment Plant Mechanic Operator in Training (OIT) position is an apprentice position requiring more oversight. The Treatment Plant Mechanic is the journey level position and may require lead responsibilities over less experienced personnel such as temporary workers or OIT.

### **EXAMPLES OF DUTIES**

The following are typical illustrations of duties encompassed by the job series but are not an all-inclusive or limiting list.

### **ESSENTIAL JOB FUNCTIONS**

- Performs a variety of preventative maintenance on equipment and facilities to include lubricating, cleaning, and painting.
- Performs corrective maintenance on plant equipment and process systems such as parts replacement, equipment changes, and cleaning of tanks and basins.
- Maintains equipment and structures on remote sites, including pumps, wet wells, and lift stations, which may require the use of self-contained breathing apparatus.
- Maintains accurate maintenance and repair records.
- Prepares specifications and procures parts and equipment.
- Evaluates the cost effectiveness of repair versus replacement.
- Regular, predictable, consistent and timely attendance is an essential function of the position, in that employee must be present to work on facilities and equipment impacting the public's health and safety.

### **OTHER JOB FUNCTIONS**

Follow all safety precautions and regulations. Work weekends and holidays assigned. Assignments will require employees to be "On Call" as needed. Perform related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Maintenance of pumps, motors, piping and control systems found in wastewater treatment plants and related facilities.
- Mechanical, electrical and hydraulic principles.
- Operation of wastewater or water treatment plant equipment and facilities desirable for Treatment Plant Mechanic OIT required for the Treatment Plant Mechanic appointment.
- Must follow Safe work practices.

### **Ability to:**

- Operate and perform maintenance work on wastewater equipment.
- Diagnose and repair mechanical problems.
- Work independently in the absence of specific instructions.
- Maintain accurate records.
- Communicate effectively and follow oral and written directions.
- Work effectively with co-workers and supervisors.

### **Minimum Education and Experience:**

#### **Treatment Plant Mechanic OIT (Operator in Training)**

##### **Education:**

High School diploma or equivalent.

##### **Experience:**

One (1) year experience in the maintenance of pumps, motors, piping and wastewater or water treatment plant operations, or other relevant work experience, such as equipment manufacturing or industrial maintenance work.

##### **Licenses and Certificates:**

- Required *upon hire*, possession of a valid California Driver's license.
- A current OIT/Grade I Wastewater Treatment Plant Operators certificate, issued by the California State Water Resources Control Board, *must be obtained within three (3) months of hire*.
- Possession of Grade I CWEA Mechanical Technologist certificate *and* Grade I Wastewater Treatment Plant Operator certificate, are required prior to permanent appointment.

## **Treatment Plant Mechanic**

### **Experience:**

Two (2) years' experience in the maintenance of pumps, motors, piping and wastewater or water treatment plant operations, or other relevant work experience, such as equipment manufacturing or industrial maintenance work.

### **Licenses and Certificates:**

Required *upon hire*:

- Possession of a valid California Driver's license; and
- Possession of a current Grade I Wastewater Treatment Plant Operators certificate, issued by the California State Water Resources Control Board; and
- Possession of Grade I CWEA Mechanical Technologist certificate

## **ADA COMPLIANCE**

**Physical Ability:** Positions in this class typically require: climbing, balancing, stooping, kneeling, crouching, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, talking, hearing, seeing, and repetitive motions.

**Very Heavy Work:** Exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

### **Other Requirements:**

**Sensory Requirements:** Requires the ability to recognize and identify similarities and differences between shade, degree or value of shapes, sounds, forms, textures or physical appearance associated with objects and people.

**Environmental Factors:** May be subjected to moving mechanical parts, electrical currents, vibrations, fumes, odors, dusts, gases, poor ventilation, chemicals, oils, extreme temperatures, workspace restrictions, intense noises, and environmental dangers.

**Council Action: December 2024**