

## **WATER TREATMENT PLANT OPERATOR-IN-TRAINING**

### **DEFINITION**

Under close supervision, receives training in the operation and maintenance of surface water treatment facilities and equipment.

### **SUPERVISION RECEIVED/EXERCISED**

Receives supervision from a Water Manager or Designee. This classification does not exercise supervision.

### **DISTINGUISHING CHARACTERISTICS**

This is a training class for candidates qualified to learn the duties of a Water Treatment Plant Operator, as defined by the State Water Resources Control Board. Incumbents of this class undergo training in the operation of a water treatment plant under the direct supervision of a certified operator while gaining experience to qualify for a T3 Water Treatment Operator Certificate. Water Treatment Plant Operator-in-Training is distinguished from Water Treatment Plant Operator in that incumbents in the latter are certified T3 or higher by the State, and perform a full range of routine assignments at surface water treatment facilities without close supervision.

### **EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

*May include, but are not limited to, the following:*

Receives training on monitoring plant performance by conducting analyses on samples from various stages in the treatment process; reads gauges, makes flow adjustments, and controls reservoir levels using SCADA computers.

Receives training to determine chemical dosage and makes adjustments to plant processes as necessary.

Receives training on and operates and maintains mechanical equipment at the water treatment facilities, which includes but is not limited to chemical feed systems, water pumps, and mixers.

Receives training on and performs general, preventative, and repair maintenance on equipment.

Assists in bulk chemical deliveries.

Cleans, paints, and lubricates equipment.

Receives training on and operates disinfection equipment and obtains samples as required.

Receives training on and provides appropriate response to emergencies and spills, including hazardous materials.

Maintains operational logs and records.

Makes visual inspections and monitors surface treatment facilities and grounds.

Receives training on laboratory procedures, plant operations, safety procedures, and emergency response.

May be required to wear and use applicable Personal Protective Equipment consistent with state mandates.

Performs related work as required.

## **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

### **Knowledge of:**

Operation of pumps, motors, and appurtenances of the plant.

Applicable state and federal regulations.

Basic computer operating systems, including MS Word and MS Excel.

Safety principles and practices related to operation of a major water treatment facility.

Principles of customer service.

### **Skill to:**

Use tools necessary to operate and maintain plant equipment.

Collect samples, which are representative of various plant flows and unit processes.

Operate a motor vehicle safely.

### **Ability to:**

Perform mathematical calculations at a level necessary for the completion of assigned duties.

Read meters and gauges correctly.

Follow oral and written instructions and prepare brief reports on plant operations.

Learn the various operational procedures and safety practices involved in the day-to-day operations of a water plant.

Learn the occupational hazards and safety precautions related to the operation of mechanical/electrical equipment.

Learn water treatment plant operations and the materials, methods (basic chemistry, math and laboratory formulas), tools, and equipment used in water treatment.

Work well with others in a team environment.

Complete work within an assigned time frame.

Utilize a variety of hand tools in accordance with safety principles.

Perform mechanical repairs and manual labor work in outdoor weather conditions.

### **MINIMUM QUALIFICATIONS**

High school diploma or GED equivalent.

AND

Possession at time of application of a valid Water Treatment Operator Certificate, Grade T1, from the State Water Resources Control Board.

### **Special Requirement(s):**

Possession and continued maintenance of a valid California Driver's License at time of appointment.

Possession of a Water Treatment Operator Certificate, Grade T2 is highly desirable.

Incumbents must maintain the ability to obtain and obtain a minimum of Water Treatment Operator Certificate, Grade T3, from the State Water Resources Control Board within the two (2) years of appointment.

This class is in a flexibly-staffed series, which allows incumbents to flex to the Water Treatment Plant Operator after obtaining the Water Treatment Operator Certificate, Grade T3. While in the class, incumbents will not achieve permanent status within the classified service, as defined in Fresno Municipal Code Section 3-202(p)(5).

Failure to maintain the ability to obtain and obtain the Water Treatment Operator Certificate, Grade T3, within two (2) years of appointment will be cause for termination from this class.

Due to the nature of the work environment, the incumbent is required to participate in a medical monitoring program to ensure respiratory fitness for using required respiratory equipment.

APPROVED: (Signature on File)  
Director of Personnel Services

DATE: 09/28/2020