

## WASTEWATER TREATMENT PLANT TECHNICIAN

### **DEFINITION**

Under supervision, operates and maintains Wastewater Treatment Plant equipment and facilities.

### **SUPERVISION RECEIVED/EXERCISED**

Receives supervision from an Assistant Chief of Wastewater Treatment Plant Operations. Receives lead direction from a Senior Wastewater Treatment Plant Operator. This classification does not exercise supervision.

### **DISTINGUISHING CHARACTERISTICS**

Wastewater Treatment Plant Technician is the entry level class in the Wastewater Treatment Plant Operator series. Incumbents are responsible for the operation of a modern Class V secondary wastewater treatment plant. This class is distinguished from Wastewater Treatment Plant Specialist in that the latter is the journey level in which incumbents perform the more complex assignments. It is distinguished from Wastewater Treatment Plant Operator-in-Training in that the latter is the training level class. The incumbent may be assigned to work any shift, weekends and holidays.

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

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

Controls the treatment of wastewater and sludges through the operation of pumps, motors, and valves utilizing manual, automatic, and programmable systems.

Monitors and controls the performance of wastewater unit processes by a variety of methods including visual observation, physical measurement, sampling, testing, data collection/analysis, and mathematical, calculations.

Utilizes a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Collects representative samples from various plant flows and unit processes for laboratory analysis.

Monitors and controls plant operation using related instrumentation and equipment.

Performs minor routine preventive maintenance, including lubrication of plant equipment, to maintain operating efficiency.

Maintains proper appearance and cleanliness of equipment and facilities.

Monitors and operates high pressure hydraulic, pneumatic and power boiler systems.

Operates other related systems such as a secondary effluent disposal and water reclamation systems.

Performs related duties as required.

### **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

#### **Knowledge of:**

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

The operation and maintenance of mechanical/electrical equipment.

The procedures and safety requirements of working in confined spaces.

The characteristics and safety requirements of the use of various chemicals used in the wastewater treatment industry, e.g. chlorine, ferric/ferrous chloride, polymer, etc.

The various operational procedures and safety practices involved in the day-to-day operation of a wastewater treatment plant.

#### **Skill in:**

The use of tools necessary to operate and maintain pumps and other related plant equipment.

#### **Ability to:**

Read meters and gauges correctly.

To follow oral and written instructions and make brief reports on plant operations.

Utilize a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Correctly use self-contained breathing apparatus and air purifying full-face respirators.

**MINIMUM QUALIFICATIONS**

Possession of a Wastewater Treatment Plant Operator Grade I certificate issued by the State Water Resources Control Board.

**Special Requirement(s):**

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

APPROVED: Signature on File DATE: 09/16/16  
Director of Personnel Services

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