

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

### **DEFINITION**

Under close supervision, receives training in the operation and maintenance of 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 Operator-in-Training is a training class for candidates qualified to learn the duties of a wastewater treatment plant Operator, as defined by the State Water Resources Control Board. Incumbents of this class undergo a formal training program in the operation of a wastewater treatment plant under the direct supervision of a certified operator while gaining experience to qualify for an Operator certificate. Failure to successfully complete the training program will be cause for termination. 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). The incumbent may be assigned to work any shift, weekends and holidays.

Wastewater Treatment Plant Operator-in-Training is distinguished from Wastewater Treatment Plant Operator I in that the latter is the entry level class in which incumbents who are certified by the State may perform a full range of routine assignments without close supervision.

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

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

Receives training to control the treatment of wastewater and sludges through the operation of pumps, motors, and valves utilizing manual, automatic and programmable systems.

Receives training to monitor the performance of wastewater unit processes by a variety of methods through visual observation, physical measurement, sampling, testing, data collection/analysis, and mathematical calculations.

Receives training and 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.

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

Maintains proper appearance and cleanliness of equipment and facilities.

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.

#### **Ability to:**

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

Read meters and gauges correctly.

Learn the procedures and safety requirements of working in confined spaces.

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

Learn 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.

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

Learn and 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.

Learn the correct use of self-contained breathing apparatus and air purifying full-face respirators.

#### **Skill in:**

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

### **MINIMUM QUALIFICATIONS**

Twelve (12) units of accredited college or university course work in chemistry, biology, physics, environmental science, algebra or engineering.

Six (6) months of experience in the maintenance and operation of pumps, valves, and electric motors, or in the maintenance and operation of mechanical/electrical industrial equipment, or as a laboratory technician, or field experience in water quality or water treatment, may be substituted for nine (9) units of the required education.

**NECESSARY SPECIAL REQUIREMENTS**

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

Must file for or possess at time of appointment a Wastewater Treatment Plant Operator-in-Training Certificate issued by the State Water Resources Control Board.

Incumbents must obtain a minimum of Wastewater Treatment Plant Operator Grade I Certificate from the State Water Resources Control Board within the two year period following appointment, or employment with the City of Fresno will be terminated.

APPROVED: \_\_\_\_\_  
Director of Personnel

DATE: \_\_\_\_\_

JKK/CMT/djs/09/23/93  
TJM:scm/6/21/13