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Revised

## CITY OF RIVERSIDE

## HUMAN RESOURCES DEPARTMENT

## CLASSIFICATION SPECIFICATION

**TITLE: WASTEWATER PLANT OPERATOR I/II****DEFINITION**

Under general supervision, to perform skilled work in the operation of all equipment in a wastewater treatment plant on an assigned shift; and to do related work as required.

**DISTINGUISHING CHARACTERISTICS**

Wastewater Plant Operator I. This is the entry class in the wastewater plant operation series. Incumbents work under the lead direction of a Wastewater Plant Operator II and perform the more routine operation work that does not require the possession of an appropriate Wastewater Treatment Plant Operator Certificate issued by the State of California. Under this training concept, positions assigned to the class of Wastewater Plant Operator II which become vacant may reasonably be filled at the Wastewater Plant Operator I level.

Wastewater Plant Operator II. Positions in this class are normally filled by advancement from the lower class of Wastewater Plant Operator I, or, when filled from the outside require prior wastewater plant operation experience. Appointment to the higher class requires that the employee be performing substantially the full range of duties for the class and meet the qualification standards for the class. A Wastewater Plant Operator II works under general supervision and is expected to perform the entire range of plant operation work. Work in this class is distinguished from that of Wastewater Plant Operator I by the greater complexity of the work and by the greater independence with which an incumbent is expected to operate.

**REPORTS TO:** Senior Wastewater Plant Operator and/or Wastewater Plant Operator III

**SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from a Senior Wastewater Plant Operator. Exercises lead direction over Wastewater Plant Operator I.

**EXAMPLES OF DUTIES**

Typical duties may include, but are not necessarily limited to, the following:

- Operate wastewater treatment facilities to control flow and processing of wastewater, sludge and effluent; monitor gauges, meters, and control panels; observe variation in operating conditions; interpret meter and gauge readings; and test results to determine processing requirements.
- Operate valves and gates; start and stop pumps, engines, and electric motors to control and adjust flow and treatment processes; operate and maintain boilers and incinerators; perform routine maintenance work.
- Collect samples and perform routine laboratory tests and analyses.
- Maintain shift log and record meter and gauge readings.
- Assist in the supervision and training of less experienced operators.
- Control, monitor and operate wastewater processes and equipment utilizing a Supervisory Control and Data Acquisition System (SCADA).
- Assist in Supervisory Control and Data Acquisition System (SCADA) system development and upgrades.

## QUALIFICATIONS

### Wastewater Plant Operator I

#### **Ability to:**

- Learn the principles and practices necessary in the operation of a wastewater treatment plant including the operation and maintenance of wastewater plant machinery.
- Learn to use tools necessary in making general repairs and adjustments to motors, pumps, and other equipment.
- Learn to read meters and gauges correctly and to act quickly and competently.
- Understand and carry out oral and written instructions and to prepare simple written reports.
- Learn to collect samples and perform routine laboratory tests.
- Wear a self-contained breathing apparatus.
- Work overtime as required.

#### **Experience and Education**

Any combination equivalent to experience and education that could likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: High school graduation or satisfactory equivalent.

Experience: Six months of full-time experience operating a wastewater treatment plant or completion of approved math, biology, or chemistry courses totaling six (6) semester units in the wastewater field.

### Wastewater Plant Operator II

In addition to the qualifications for Wastewater Plant Operator I:

#### **Knowledge of:**

- Principles and practices necessary in the operation of a wastewater treatment plant including the operation and maintenance of wastewater plant machinery.
- City wastewater plant operating policies and procedures.

#### **Ability to:**

- Use tools necessary in making general repairs and adjustments to motors, pumps, and other equipment.
- Read meters and gauges correctly and act quickly and competently.
- Collect samples and perform routine laboratory tests.
- Perform all plant operations without direct supervision and in a safe manner.
- Wear a self-contained breathing apparatus.
- Work overtime as required.

**Education and Experience:**

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: High school graduation or satisfactory equivalent.

Experience: One year of experience in the operation of a wastewater treatment plant.

**MEDICAL CATEGORY:** Group 2

**NECESSARY SPECIAL REQUIREMENTS**

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

May require possession of or the ability to obtain an appropriate valid California Commercial Motor Vehicle Operator's License based upon operational need and the duties assigned.

Possession of or ability to obtain by the end of the probationary period (12 months), an appropriate, valid class "B" California Motor Vehicle Operator's License.

Possession of a current, valid, Wastewater Treatment Plant Operator Certificate, Grade I or higher, issued by the State of California (for Wastewater Plant Operator II level).

Ability to obtain a current, valid, Wastewater Treatment Plant Operator-In-Training Certificate, issued by the State of California (for Wastewater Plant Operator I level) by the end of the probationary period (12 months).

**CAREER ADVANCEMENT OPPORTUNITIES**

**FROM:** Wastewater Plant Operator I

**TO:**Wastewater Plant Operator II

**TO:**Wastewater Plant Operator III

**TO:**Senior Wastewater Plant Operator

**TO:**Wastewater Operations Supervisor