

**WASTEWATER FACILITIES OPERATOR I
WASTEWATER FACILITIES OPERATOR II**

**COUNCIL APPROVED:
GRADE-195 & 215**

DEFINITION:

To inspect, operate, and maintain wastewater treatment and collection facilities; and to perform corrective and repair work on wastewater treatment plant systems and maintenance and repair work on the wastewater collection system.

DISTINGUISHING CHARACTERISTICS:

WASTEWATER FACILITIES OPERATOR I

This is the entry level in the wastewater facilities operator series. This class is distinguished from the Wastewater Facilities Operator II class by its functioning in a continuing training capacity upon obtaining initial plant operation certification, and performing the more routine and repetitive work according to established procedure and under immediate supervision. Generally, work is reviewed both during its performance and upon completion, and changes in procedure or exceptions to rules are explained in detail as they arise. Vacant positions assigned to the class of Wastewater Facilities Operator II may be flexibly staffed and reasonably filled at the Wastewater Facilities Operator I level. When used in continuing training capacity, incumbents in the Wastewater Facilities Operator I class may reasonably expect to have their positions allocated to the II level as skills, abilities, and assigned responsibilities increase.

WASTEWATER FACILITIES OPERATOR II:

This is the full journey level class in the wastewater facilities class series. Positions in this class are assigned the more difficult and complex tasks. This class is distinguished from the Wastewater Facilities Operator I class by a complete knowledge of operational procedures and precedents. Positions in this class are normally filled by advancement from the I level, or when filled from the outside, require prior wastewater facilities operations experience.

SUPERVISION RECEIVED AND EXERCISED:

WASTEWATER FACILITIES OPERATOR I

Receives immediate supervision from higher level positions, progressing to general supervision with training and experience.

WASTEWATER FACILITIES OPERATOR II

Receives general supervision from the Wastewater Treatment Supervisor.

Responsibilities may include the technical and functional supervision of lower level wastewater facilities operators.

EXAMPLES OF DUTIES:

Duties may include, but are not limited to, the following:

- Inspect wastewater treatment plant operations daily; operate and check the operation of wastewater equipment, such as pumps, valves, electric motors and filters; oil, grease, and clean equipment; clean, adjust and repack valves and pumps; clean and adjust bar screens; regulate operation of oxidation tanks, including alternative and sludge recirculation; at prescribed intervals, operate belt filter press and pumps transferring sludge to digester; read gauges and make adjustments to operating controls in order to maintain proper condition of digester in accordance with prescribed procedures; check and adjust wasting rates and return-sludge rates.
- Perform basic lab tests and interpret results for purposes of plant control; collect samples for tests.
- Perform preventive maintenance and repair work on plant equipment.
- Maintain grounds and plant building.
- Instruct subordinate personnel in plant operations.
- Clean and maintain collection system lines.
- Perform related duties as assigned.

QUALIFICATIONS:

WASTEWATER FACILITIES OPERATOR I

KNOWLEDGE OF:

- Basic operations and routine maintenance practices related to mechanical equipment, including pumps and electric motors.
- Basic tools, equipment and methods used in maintaining stationary power equipment, pumping systems and electrical systems.
- Basic wastewater treatment processes and the tests used to check the effectiveness of such processes.

ABILITY TO:

- Read and interpret gauges and recording devices reflecting wastewater treatment plant operations.
- Perform mechanical repairs, maintenance work, and modification to equipment used in a wastewater treatment plant.
- Use various mechanic's tools with skill accuracy.
- Learn standard laboratory tests.
- Understand and carry out oral and written instructions.

EXPERIENCE AND EDUCATION:

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

EXPERIENCE:

One year of experience in the operation, maintenance, and repair of wastewater treatment and collection systems.

LICENSE OR CERTIFICATE:

Possession of or ability to obtain a Grade I Wastewater Treatment Plant Operator's Certificate as issued by the State of California.

Possession of or ability to obtain an appropriate, valid California Driver's License.

WASTEWATER FACILITIES OPERATOR II

In addition to the requirements for Wastewater Facilities Operator I:

KNOWLEDGE OF:

- Principles and methods of wastewater treatment, including basic microbiology, chemistry, and hydraulics as applied to wastewater treatment.
- Mechanics of pumps and motors.
- Purposes and uses of tools and equipment used in the overhaul, repair adjustment, and modification of plant equipment.
- Chemical and biological tests used in monitoring wastewater treatment plant processes.

ABILITY TO:

- Work independently and assume substantial responsibility for plant operations.
- Oversee the work of subordinate positions.
- Perform technical procedures in plant operation.
- Inspect plant operations and detect problems.
- Perform lab test in plant monitoring.
- Maintain and repair plant facilities and equipment
- Exercise sound judgment in response to operational problems.
- Maintain records accurately and neatly.
- Communicate clearly and concisely.

EXPERIENCE AND EDUCATION:

Any combination equivalent to experience and education that could likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be at least one year of experience comparable to that of a Wastewater Facilities Operator I in the City of Ridgecrest.

LICENSE OR CERTIFICATE:

Possession of or ability to obtain a Grade II Wastewater Treatment Plant Operator's Certificate as issued by the State of California.

Possession of or ability to obtain an appropriate, valid California Driver's License.