

## WASTEWATER TREATMENT OPERATOR I/II

### JOB SUMMARY:

Under general supervision, operates, maintains and repairs a variety of equipment utilized in the treatment of wastewater and performs related work as required.

As the Wastewater Treatment Operator I incumbent gains skills and performs more difficult work through experience, training and certification, and as a desired level of proficiency is reached, advancement to Wastewater Treatment Operator II class can be reasonably expected. Most incumbents gain the skill, experience, certification and proficiency for advancement within two years with the District.

### EXAMPLES OF DUTIES

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

- Conducts inspections of water reclamation plant equipment according to established procedures and schedules; checks motors, pumps and other equipment for proper operation.
- Reads, records and calculates readings of meters and gauges, interpreting information into operating characteristics of equipment, and making adjustments to conform to operational requirements.
- Changes flow meter charts.
- Performs scheduled preventive maintenance and cleaning of tanks, pumps, valves, filters and other equipment.
- Adjusts and monitors the addition of chemicals to wastewater processing.
- Conducts chemical tests of effluent.
- Overhauls, modifies and makes major repairs to large pumps and varied water reclamation equipment, removing blockages, replacing worn parts, removing parts to be machined by outside vendors and reassembling equipment.
- Responsible for the cleanliness and general housekeeping of the plant; paints equipment and buildings; sweeps and washes down floors, walls and paved areas.
- Kills and removes weeds, trims plants, picks up debris, mows lawns, waters and otherwise maintains landscaped areas.
- Performs minor fabrication of parts and tools.
- Operates air compressors, portable pumps, lawn mowers, weed-eaters and hand and power tools.
- Operates the disposal sprinkler system and maintains water storage pond.
- Ensures that safety equipment is in working order and that safety procedures are followed in the performance of duties.
- Performs other related duties as assigned.

## **EMPLOYMENT STANDARDS:**

### Knowledge of:

- Tools, equipment and methods used in the repair and maintenance of pumps, valves and aeration equipment.
- Basic mathematics.
- Appropriate safety precautions and procedures.
- English usage, oral and written.
- Basic recordkeeping.
- Operation, maintenance and repair of water reclamation plant equipment (excluding complex electrical and instrumentation repairs) at an advanced level.
- Basic hydraulics.
- Fundamentals of laboratory analysis, interpretation and calculations.
- Advanced mechanics.
- The hazards inherent in wastewater treatment.
- The specific policies, procedures and operating routines of the water reclamation plants.

### Ability to:

- Read and write at a level sufficient for job success.
- Perform skilled work in the operation, maintenance and repair of water reclamation equipment.
- Operate power and hand tools and equipment with proficiency.
- Make accurate inspections of operating equipment, assess from visual inspection the operational condition of wastewater and identify malfunctioning equipment.
- Make simple arithmetic calculation with accuracy.
- Use tools and make repairs to pumps, valves and electric motors.
- Diagnose equipment malfunctions and direct necessary repairs.
- Remove, repair and replace specialized equipment and equipment components.
- Read gauges accurately and maintain simple records.
- Operate a vehicle observing legal and defensive driving practices.
- Understand and carry out oral and written instructions.
- Establish and maintain effective working relationships with department personnel, other departments, outside agencies and the public.
- Be adaptable to changing work priorities.
- Keep accurate records and prepare concise and meaningful reports.

### Experience and Education:

Any combination of training, experience and education that could likely provide the required knowledge and abilities stated above, and the ability to perform the duties of the position would be qualifying. A typical way to obtain the knowledge and abilities would be:

Experience: One to two years experience in the operation of a wastewater treatment plant and demonstrated ability as a wastewater treatment plant operator is required.

Education: Formal or informal education or training at a level which ensures the ability to read, write, and perform mathematical computations and write reports at a level necessary for successful job performance, and supplemental coursework to meet certification requirements.

### Licenses and Certificates:

Operator I: 1) Possession of a valid California driver's license, Class C, with ability to maintain insurability under the District's insurance carrier. 2) Possession of a State of California Water Resources

Control Board Wastewater Treatment Plant Operator certificate, Grade I, at time of appointment is required.

Operator II: 1) Possession of a valid California driver's license, Class C, with ability to maintain insurability under the District's insurance carrier. 2) Possession of a State of California Water Resources Control Board Wastewater Treatment Plant Operator certificate, Grade II, at time of appointment is required.

Certification at the required level must be maintained.

Typical Physical Demands and Working Conditions:

Hear normal conversation in person and/or on the telephone, with or without electronic aids; see to read fine print; operate hand and power tools requiring strength and coordination; use hands and fingers to manipulate small objects and print and write legibly; regularly lift over 50 pounds and frequently, over 100 pounds, with assistance; be exposed to harsh substances; be exposed to foul odors within acceptable ranges/levels; work in confined spaces; reach with hands and arms; awareness of electrical hazards; wear protective apparel including, but not limited to, goggles, face protectors, aprons, shoes and a respirator as required by OSHA standards.

**OTHER REQUIREMENTS:**

May be required to work evenings, weekends and holidays and assume stand-by duty if necessary.

THE INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE  
AND DOES NOT CONSTITUTE AN EXPRESSED OR IMPLIED CONTRACT.