

PLANT OPERATOR II

DEFINITION

Under direction of the Supervisor of Plant Operations or the Director of Water Quality Services, to act as shift leader in the operation of the wastewater treatment plant and related facilities; to perform the duties of Plant Operators; and to assume responsibility for overall plant operation as needed.

SUPERVISION EXERCISED

Exercises technical and functional supervision over assigned Plant Operators.

IMPORTANT AND ESSENTIAL DUTIES

1. Operate treatment facilities to control flow and processing of the wastewater, sludge and effluent.
2. Monitor gauges, meters and control panels.
3. Inspect plant equipment and report any failures or operating difficulties; stop and start equipment as required for repair.
4. Operate machinery, equipment and computers as necessary to control and adjust flow and treatment processes.
5. Extract samples and perform routine laboratory tests and analyses.
6. Operate and maintain power generating equipment and sludge dewatering process.
7. Operate heavy equipment and dump trucks.
8. Monitor, evaluate, and make adjustments to sludge drying beds.

OTHER JOB RELATED DUTIES

1. Conduct on-the-job training of other personnel.
2. Adjust various stages of treatment processes by changing flows and pumping frequencies according to test results, process calculations, and plant performance; take samples and perform standardized tests as required; adjust chlorination equipment, aeration equipment and sludge levels.

3. Maintain shift log in a professional manner and record meter and gauge readings.
4. Conduct plant tours.
5. Perform routine maintenance and inspection of plant buildings, grounds and equipment.
6. Evaluate work performance of lower level Plant Operations personnel.
7. Keep current on safety aspects and MSDS information; advise the Plant Operators on new information, as provided by Supervisor of Operations.
8. Perform related duties and responsibilities as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

- Principles of wastewater treatment processes and solid waste handling.
- Methods, materials and equipment used in the operation and maintenance of wastewater treatment facilities.
- Principles of wastewater sampling and routine process control tests.
- Storing and handling of chlorine and other hazardous materials and chemicals.
- Principles of supervision and training.
- Safe work practices.
- Operating a motor vehicle safely.

Skill to:

- Operate computer equipment.
- Operate and understand basic plant equipment.

Ability to:

- Meet respiratory requirements and use self-contained breathing apparatus (SCBA) when necessary in accordance with the District's Standard Procedure No.I.E.13.
- Diagnose faulty operation and evaluate seriousness of malfunctions.
- Read and interpret gauges and other recording instruments.
- Prepare reports and keep accurate records.

- Lead, assign, and inspect the work of subordinates.
- Communicate clearly and concisely, both orally and in writing.
- Establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

Experience and Training Guidelines:

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

Experience:

Three years of experience in the operation and maintenance of a wastewater treatment facility.

Training:

Equivalent to the completion of the twelfth grade, supplemented by specialized training in biology, chemistry, or related field.

License or Certificate:

Possession of, or ability to obtain, an appropriate, valid California driver's license, and a motor vehicle record that meets the District's driving standards.

Possession of a Grade III level or higher certification as a Wastewater Treatment Plant Operator, issued by the California State Water Resources Control Board.

Special Requirements:

Essential duties require the following physical abilities and work environment:

Ability to sit, stand, walk, kneel, crouch, squat, stoop, reach, crawl, twist, climb, and lift 50 pounds; exposure to cold, heat, extreme noise, outdoors, confining work space, electrical hazards, chemicals, dust, domestic waste and mechanical hazards; availability for on call, stand by and shift work.

Effective Date: June 1998