

Definition: Under general supervision, performs work necessary to lead sewage treatment shift operations, oversee assigned maintenance procedures and maintenance repair and construction projects.

Distinguishing Features: This is a special operations lead classification. Work assignments consist of lead responsibility for guiding and monitoring work-in-progress activity of other workers and/or work procedures in addition to the actual performance of necessary work connected with: treatment plant shift operations; continuing preventive maintenance procedures; repair, construction and other work projects.

Examples of Duties:

Treatment Operations: Leads and/or personally performs work required to: operate sewage treatment plant machinery and equipment to start up processes; read, record and interpret meters and gauges; adjust controls to properly regulate flow and process of sewage; mix and add chemicals; and monitor the operations of valves, pumps, motors, chlorinators, filters, digesters and clarifiers; start up the centrifuge and other processes which are not in continuous operation and assure proper deactivation, as appropriate.

Laboratory Operations: Oversees and/or personally performs work connected with: standard laboratory testing of grab and composite samples of materials in process; maintaining laboratory records; maintenance of laboratory facilities; and other laboratory routines necessary to orderly shift operations.

Preventive Maintenance: Guides, monitors and/or personally performs work required to: oil, grease and clean treatment plant machinery and equipment; clean, adjust and repack valves and pumps; similarly service/test outlying pumping station machinery and equipment; inspect plant electrical, plumbing and mechanical equipment for needed repairs.

Maintenance Repair and Construction: Leads and/or personally performs work required to: disassemble electrical, plumbing and other mechanical or constructed plant systems and structures; make repairs to existing equipment; fabricate parts when feasible; reassemble and test repairs. Uses and operates tools and equipment associated with electrical system repairs, plumbing systems, sandblasting, welding, concrete and cement work, metal work, general concrete and cement work, metal work, general construction and materials hauling. Assists in plant construction projects as assigned.

Custodial Maintenance: Guides, monitors and/or personally performs work required to: clean tanks and containers, sweep, sand and paint plant equipment and facilities, performance of general grounds keeping and building custodial and maintenance work and maintain orderly plant and facilities operations.

Shift Leader: Serves as shift leader of plant operations during on-duty assigned shifts and provides on-call availability for emergency coverage required of the plant during assigned periods.

Training: Trains and instructs new and less experienced personnel in existing and new work methods, plant operations and maintenance procedures.

Other: Keeps and maintains records of plant operations and laboratory procedures involving the application of manual and automated systems; assists in other public works operations as assigned; and performs other assigned duties necessary to the effective operations of the plant facility and which are consistent with the responsibilities of the classification.

Minimum Qualifications:

Knowledge of: All aspects of sewage treatment processes; maintenance of equipment and facilities and general operations; methods, equipment and tools applicable to sewage treatment plant operations, methods and chemicals used in treatment processes; and safe work practices and use of safety equipment.

Ability to: Skillfully operate sewage treatment plant machinery and equipment; accurately read, record and interpret meters and gauges; perform standard laboratory tests; repair electrical and mechanical systems; perform preventive maintenance processes; skillfully and safely operate hand and power tools and motorized equipment used in maintenance and construction work; perform work involving heavy physical labor; operate and apply manual and automated record keeping systems used to record treatment plant operations; train and instruct other personnel in work methods, procedures and techniques.

Education: The equivalent of completion of the twelfth (12th) grade.

Experience: Four (4) years of full-time work experience in operating a sewage treatment plant with a Grade III Operator's certification or its acceptable equivalent and four (4) years of performing preventive maintenance and maintenance repairs of electrical and mechanical systems. Where both operator and maintenance experience were gained in a single position, a maximum of four (4) years of such combined experience will meet the experience requirement.

License: Possession of a valid California Operations License at the class level required by the California State Department of Motor Vehicles to legally operated vehicles and equipment used in performing work.

Certification: Possession of a Grade III Operator's certificate issued by the California State Water Resources Control Board, its acceptable equivalent or superior certification.