CITY OF SANTA CRUZ
SENIOR WASTEWATER PLANT OPERATOR

Reports To: **Wastewater Treatment Facility Operations Manager**
Supervises: **Wastewater Plant Operator I's, II's, III's and Operator in Training**
Bargaining Unit: **Supervisory**

BASIC FUNCTION

Under general supervision provides lead supervision and work direction for an assigned shift in the operation of the wastewater treatment plant and related facilities, including assigning duties, providing training and assisting in the review of work performance of assigned personnel. Oversees the operation, inspection and maintenance of plant equipment and facilities including any adjusting necessary to maintain an efficient operation, and to meet regulatory requirements for effluent discharge.

DISTINGUISHING CHARACTERISTICS

This position is the advanced journey-level class in the City's Wastewater Plant Operator series.
This is the first line supervisory level class; incumbents direct, coordinate and monitor the work of others in a working lead capacity.

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

- Leads, directs and trains plant operators on an assigned shift in the safe and efficient performance of their duties.
- Learns and implements hazardous material regulations, safety rules and regulations; holds tailgate safety meetings for assigned shift.
- Monitors plant to insure NPDES requirements are being met.
- Places on or takes off line engines, pumps, sedimentation basins, aerated grit tanks chlorinators, centrifuge equipment, co-generation equipment, septage receiving facility and other related equipment.
- Inspects and monitors processes, troubleshoots and makes adjustments to maintain operations, arranges more extensive servicing, maintenance and repair as needed.
- Regulates pressures and flow rates, reads and accurately records information relating to plant performance.
- Completes and maintains records of shift activities.
- Maintains effective work procedures and effectively resolves on-the-job problems as they occur.
- Perform work in confined spaces.
- Responsible for maintenance of buildings and grounds.
- May perform all duties of the plant operator classes.

- Performs other related duties as assigned.

MINIMUM QUALIFICATIONS

Knowledge:
- Basic mechanical, electrical and hydraulic principles.
- Current principles and practices of wastewater treatment plant operations, including standard quality tests.
- repair, maintenance and adjustment procedures for wastewater treatment plant equipment.
- Current State and Federal standards and requirements related to wastewater treatment plant operation and maintenance.
- Current safety procedures pertaining to plant operations, including the techniques for handling and storing hazardous chemicals, and responding to and reporting chemical spills and other emergencies.

Skills:
- Develop and coordinate work programs.
- Accurately perform mathematical calculations.
- Reading, interpreting and recording data accurately.
- Operating and adjusting treatment system equipment.

Abilities:
- Train, assign, direct and review the work of others in a lead capacity.
- Conduct work and plant safety programs, including interpreting and explaining regulations.
- Establish and maintain effective working relationships with others.
- Recognize unusual or dangerous operating conditions and make sound judgments within established guidelines.
- Learn more complex principles, practices, techniques and regulations pertaining to plant operation.
- Perform complex and skilled operation and preventative maintenance functions related to wastewater treatment plant equipment.
- Read and interpret gauges and other recording devices reflecting wastewater treatment plant operations and make complex operational adjustments based on recorded data.

OTHER REQUIREMENTS

- Willingness to work nights, weekends, holidays and overtime as assigned.
- Willingness to perform on call assignments.
- Must be clean shaven at all times as required to wear respiratory protection equipment.

Physical ability to:

- perform manual labor involving the frequent bending, pulling, pushing, lifting and carrying of weights up to 100 lbs.
- perform duties assigned while wearing respiratory protection equipment.

EDUCATION AND EXPERIENCE

Any combination of education and experience that provides the knowledge, skills and abilities required is qualifying. A typical way to obtain the required qualifications is to possess the equivalent of the following:

- High school graduation or tested equivalent; and
- Four (4) years experience in the operation of a wastewater treatment plant plus
- The successful completion of one (1) college level course directly related to wastewater treatment.

LICENSES/CERTIFICATES

- Possession at time of hire and continued maintenance of a valid California drivers' license and a safe driving record.
- Possession at time of hire and continued maintenance of a Grade III Wastewater Plant Certificate or higher from the California State Water Resources Control Board.
- Possession of basic first aid and CPR certification within 60 days of appointment and ability to maintain respiratory requirements.

DESIRABLE QUALIFICATIONS

- Supervisory or lead experience

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Career Ladder

- Wastewater Treatment Facility Operations Manager
- *Senior Wastewater Plant Operator*
- Wastewater Plant Operator-in-Training/I/II/III