

Goleta Sanitary District Job Description

Job Title: Wastewater Treatment Plant Operator III
Department: Plant Operations
Reports To: Operations Supervisor
FLSA Status: Non-Exempt (Non-Salary)

SUMMARY

Under general supervision, as an individual or shift supervisor, operates and maintains an advanced wastewater treatment and reclamation facility in compliance with state regulatory agency requirements; Monitors and adjusts the treatment processes and performs a variety of skilled technical duties including laboratory analysis, facility maintenance, and process control decisions.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

Functions as a shift leader for the Operations team.

Participates in training staff assigned to them and works with employees to correct deficiencies.

Attends and participates in Process and Safety Training Sessions; stays abreast of new trends, technologies, and innovations in the wastewater field.

Monitors control panels and adjusts valves and gates manually or by remote control to regulate process flows.

Observes variations in operating conditions; interprets plant data and test results to determine treatment process performance.

Monitor and adjust computerized SCADA system and process control software.

Starts and stops pumps, engines, and generators to control flow of wastewater through filtering, settling, aeration, and sludge digestion processes.

Maintain, compile and update plant operations log and reports; perform and record mathematical calculations related to plant operational activities.

Collects wastewater samples and conducts laboratory tests.

Evaluates process control data to determine process control adjustments for optimum plant performance.

Operates, maintains, repairs and adjusts treatment plant pumps, process equipment and power generating equipment.

Monitors and maintains chemical feed equipment and chemical inventories used in the treatment process

Operates motorized equipment such as front-end loaders, forklifts, articulated wheel loaders and dump trucks.

Provides supervision and training to assigned treatment plant personnel.

Administers programs dealing with training and mentors less certified operators and operators-in-training.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Knowledge Of: Methods of treatment processes used in a Grade IV wastewater treatment plant; principle, practices, and procedures used in the operation of a wastewater treatment plant; applicable federal, state, and local laws, regulations, and policies; water chemistry, bacteriology and hydraulics; safe work practices; wastewater and biosolids sampling techniques; record keeping and reporting practices and procedures. Computer skills including SCADA, Microsoft Word, Excel, Outlook, CMMS (Computerized Maintenance Management Systems), and data management software.

Ability To: Operate and maintain the full range of equipment commonly found in wastewater treatment plants; monitor and maintain plant processes at an optimal and cost effective level; perform computer calculations as necessary to determine operating parameters; exercise sound independent judgement within areas of responsibility; conduct laboratory tests and analysis; read and interpret gauges and recording devices; operate motorized equipment used in plant operations; read, understand, and follow Standard Operating Procedures; conduct work using proper PPE and LOTO procedures; establish and maintain effective working relationships with those encountered in the course of work.

EDUCATION and/or EXPERIENCE

Education and/or experience required to possess a Grade III Wastewater Treatment Plant Operator Certificate issued by the California State Water Resources Control Board

And,

At least one year of experience as a Grade III Operator at a Municipal Wastewater Treatment Plant with similar complexity to Goleta Sanitary District's Water Resource Recovery Facility.

Post High School Education; Associates Degree in Science, Bachelor's Degree in Science, or Industry specific training courses highly desirable.

LANGUAGE SKILLS

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, procedure manuals, process flow schematics and as-built drawings. Ability to write routine reports, logbook entries and email correspondence. Ability to speak effectively before groups of customers or employees of the District.

MATHEMATICAL SKILLS

Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, and percent and to draw and interpret graphs.

REASONING ABILITY

Ability to apply common sense understanding to carry out detailed written or oral instructions. Ability to deal with problems involving a few concrete variables in standardized situations. Ability to notice equipment in an abnormal state. Ability to assess urgency and prioritize critical tasks, Ability to troubleshoot unplanned/abnormal circumstances and determine a root cause.

CERTIFICATES, LICENSES, REGISTRATIONS

Possession of a valid California Class C driving license with a satisfactory driving record.

Possession of a Grade III Wastewater Treatment Plant Operator Certificate issued by the California SWRCB.

Ability to obtain an American Red Cross First Aid and Cardiopulmonary (CPR) certificate

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to stand, walk, and talk or hear. The employee frequently is required to use hands to finger, handle, or feel; reach with hands and arms; climb or balance; and smell. The employee is occasionally required to sit and stoop, kneel, crouch, or crawl. The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 75 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

The employee is occasionally required to work in confined spaces or other areas with potentially hazardous atmospheres requiring the use of self-contained breathing apparatus (SCBA) or respirators and in that respect is required to follow the District's facial hair policy.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly exposed to moving mechanical parts, fumes or airborne particles, and outside weather conditions. The employee is frequently exposed to wet and/or humid conditions; high, precarious places; toxic or caustic chemicals; and risk of electrical shock. The employee is occasionally exposed to vibration. The noise level in the work environment is usually moderate.