

WASTEWATER TREATMENT FACILITY OPERATOR III

DEFINITION

Under general supervision, leads and participates in the operation of the City's Wastewater Treatment Facility and equipment; performs related duties as required.

DISTINGUISHING CHARACTERISTICS

The Wastewater Treatment Facility Operator III is the lead level class in the Wastewater Treatment Facility Operator series. An incumbent provides lead direction and participates in a range of duties including the most difficult operational work assignments requiring the application of independent judgment. This class is distinguished from Wastewater Treatment Facility Operator II in that incumbents of the latter perform journey level assignments and are not assigned on-going lead responsibility.

REPRESENTATIVE DUTIES

The duties listed below are examples of the work typically performed by employees in this class. An employee may not be assigned all duties listed. Marginal duties are those which are non-essential functions for this class.

1. Schedules and supervises either the activities of an assigned shift, or a functional area in the operations section; trains and instructs subordinate employee in the performance of their duties; ensures compliance with safety procedures.
2. Provides lead direction and participates in controlling the treatment of wastewater and sludge through the operation of pumps, motors and valves utilizing manual, automatic and programmable systems; monitors and controls plant flows using related instrumentation and equipment.
3. Provides lead direction, monitors and controls the performance of wastewater unit processes by a variety of methods, including visual observation, physical measurement, sampling, testing, data collection, analysis and mathematical calculations in order to meet regulatory discharge requirements.
4. Provides lead direction and collects representative samples from various plant flows and unit processes for laboratory analysis.
5. Utilizes a local area computer network in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.
6. Performs minor routine preventive maintenance, including lubrication of plant equipment to maintain operating efficiency; maintains proper appearance and cleanliness of equipment and facilities.
7. Prepares and maintains records of shift activities and plant operations; writes brief reports of plant operations.
8. Reviews plant operations and recommends improvements in methods or practices.

9. Represents and supports the policies and procedures established by the City Council, City Manager, Department Heads and Division Chiefs.

EMPLOYMENT STANDARDS

Education and/or Experience

Completed coursework in wastewater treatment plant facility operations or related science classes and four years of experience in plant operations or any combination of training and experience that provides the desired knowledge and abilities.

Knowledge of:

Occupational hazards and safety precautions related to the operation of wastewater treatment facilities; operation and maintenance of electric motors, pumps and other mechanical/electrical equipment related to wastewater treatment; wastewater facility physical characteristics including location and configuration of piping and valves in order to provide more efficient operations of the facilities; confined space hazards, procedures and safety requirements; wastewater disposal systems and offsite reuse distribution; characteristics and safety requirements of the use of various chemicals used in the wastewater treatment industry; theory and operation of the various types of flow measuring equipment; regulatory requirements governing discharge, sludge management and disposal, air emissions from unit processes and reclamation; principles of chemistry as related to wastewater treatment; wastewater process control and associated mathematical calculations.

Ability to:

Lead, assign, review, train and instruct subordinates engaged in the operation, maintenance and preventive maintenance of wastewater treatment equipment and machinery; gather data, prepare reports and maintain accurate records pertinent to a wastewater treatment facility; correctly read and interpret wastewater instruments and measuring devices; follow oral and written instructions and make brief reports on plant operations.

Skill in:

Use of a computer system in the routine operating and monitoring of the treatment facility and associated report generation; use of tools necessary to operate and maintain pumps and other plant equipment; collection of samples which are representative of various plant flows and unit processes.

Special Requirements

Possession of or ability to obtain and maintain a valid California Drivers' License.

Possession of an appropriate Wastewater Treatment Facility Operator Certificate issued by the State Water Resources Control Board, Office of Operator Certification (currently requires a Grade III).

Physical Demands

Strenuous physical work; physical demands include frequent lifting of object over 50 lbs., often combined with bending, twisting, and working above grounds or on irregular surfaces.

WORKING CONDITIONS

Continuous exposure to unpleasant elements such as dust, fumes and odors, raw sewage, hazardous material, high noise level, and outside weather conditions; travel throughout the City is required; requires use of a self-contained breathing apparatus and entering confined spaces.

Date Adopted: August 6, 1996