

WASTEWATER TREATMENT FACILITY OPERATOR II

DEFINITION

Under general supervision performs sampling and laboratory tests of sewage; performs maintenance and operational duties for Wastewater Treatment Facility operations; performs related duties as required.

DISTINGUISHING CHARACTERISTICS

This class is fully experienced or journey level class capable of performing the full range of duties within the plant. This class differs from the Wastewater Treatment Facility Operator I class by having greater authority to provide technical guidance and coordinate phases of operational activities.

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. Performs lab tests for process control; collects digester and sludge samples for testing by laboratory personnel; interprets test results to evaluate effectiveness of facility operations; maintains and calibrates equipment.
2. Record readings on various units for process control; visually inspects unit processes and equipment; sets and controls pumping rates for sludge.
3. Checks engines, electrical motors, pumps and valves for proper operation; services equipment; performs major repairs and overhauls pumps, blowers, digesters and air compressors; repairs water and gas lines.
4. Assists in establishing facility operating parameters such as routing flows, adjusting pumps, sampling techniques, and locations; regulates valves and adjusts increase or decrease in recirculation of water based on data generated from lab tests.
5. Prepares and maintains records of equipment, preventative maintenance checks and electric usage for facility operations.
6. Recommends new or improved practices for facility efficiency.
7. Provides temporary and vacation relief in similar occupational fields as necessary.

EMPLOYMENT STANDARDS

Education and/or Experience

Two years of experience in the operation and maintenance of a wastewater treatment plant or any combination of training and experience that provides the desired knowledge and abilities.

Knowledge of:

Operation and maintenance of wastewater treatment facility equipment including heavy equipment, pumps, and hydraulic equipment; algebra; chemical and biological reactions in the treatment process; laboratory equipment, techniques and terminology; safety practices.

Ability to:

Read and interpret recording devices; perform standard lab analysis; analyze and interpret lab results; adjust facility equipment; read recording devices; train others in lab and treatment facility operations; communicate verbally and in writing; establish and maintain effective working relationships with employees; use related computer applications.

Special Requirements

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

Possession of an appropriate Wastewater Treatment Facility Operator Certificate from the California Water Resources Control Board (currently requires a Grade II).

Physical Demands

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

WORKING CONDITIONS

Continuous exposure to unpleasant elements such as dust, fumes and odors, raw sewage, hazardous material, high noise levels 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

