

Summary of Duties: Operates, maintains, repairs and overhauls large diesel and gas engines and auxiliary equipment; or assigns, reviews and evaluates the work of a group of Diesel Plant Operators engaged in such work; applies supervisory principles and techniques in building and maintaining an effective workforce, fulfills affirmative action responsibilities and coordinates diesel plant operation with all other units of the plant; and does related work.

Distinguishing Features: A Diesel Plant Operator operates large gas or diesel engines on an assigned shift at the Terminal Island Treatment Plant. An employee of this class may be assigned to power generation, auxiliary equipment, switchboard operation, or maintenance and overhaul work. An employee of this class reports to a Senior Diesel Plant Operator but is expected to handle the details of the work without close supervision and may act for a Senior Diesel Plant Operator in the latter's absence.

Senior Diesel Plant Operators, as bona fide supervisors, are distinguished from lead workers in that they are responsible for the performance of the full range of supervisory activities including: application of discipline, processing and resolution of grievances, evaluation of performance and approval of time off requests. Incumbents in the class of Senior Diesel Plant Operator are responsible for training Diesel Plant Operators. An employee of this class supervises operations on an assigned shift and coordinates operations on their own shift with the operations of all other units.

Examples of Duties: Diesel Plant Operator: Starts, operates, stops and adjusts large gas or diesel engines and their auxiliaries according to load demands and characteristics; reads meters, gauges, thermometers, and similar recording and indicating devices showing operating conditions; makes adjustments to provide satisfactory engine and auxiliary equipment during normal and emergency conditions;

Receives power requirements from Diesel Plant Operators assigned to the power switchboard or from Senior Diesel Plant Operators, operates engines and auxiliaries according to the power demands; inspects the engines and auxiliaries to which assigned and advises other employees of parts needing adjustment or lubrication; makes periodic and special tests of engines and allied equipment to determine maintenance, repair and overhaul needs; dismantles, overhauls and reassembles engines, blowers, compressors, and auxiliaries; tests and runs-in overhauled engines and auxiliaries;

Operates the power switchboards; watches meters and gauges for evidence of unusual operating conditions and adjusts the distribution of power in accordance with standard operating procedures; maintains logs and other records of readings taken in the switchboard room; operates 100 hp boiler sludge heat exchangers, gas compressors and gas

engine-driven generators at the Terminal Island Plant;

Prepares reports on over-all operation such as lubricants used, power output, and other operating characteristics which might be significant to the Senior Diesel Plant Operator.

Senior Diesel Plant Operator: Reviews reports of Diesel Plant Operators; instructs operators about procedural changes; analyzes causes of trouble or failure of equipment; recommends, supervises, and assists in making repairs and adjustments; recommends changes in operating and maintenance schedules and procedures; keeps time and material records; prepares requests for materials, fuel, tools, supplies and equipment; instructs employees in safety practices and enforces safety rules; assigns personnel to specific duties on the various shifts; collects, compiles, maintains and reports operation and maintenance data; prepares and directs the achievement of power production schedules; orders appropriate changes in operation; analyzes operating reports prepared by subordinates; determines causes of trouble and recommends improvements in equipment layout and operating procedures; orders equipment, supplies, tools, fuel and other items required for the operation and maintenance of the generation plant; oversees the correction of emergency conditions at any time and works on any shift as necessary; arranges for and collaborates in the major repair or modification of all power generating equipment and instructs employees in safety practices and enforces safety rules; communicates equal employment/affirmative action information to employees; applies job-related criteria in selecting, orienting, assigning, training, counseling, evaluating and disciplining subordinates; assists employees in preparing for promotion as described in the City's Affirmative Action Program.

Employees in both classes may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications:

Knowledges:

	Diesel	Sr. Diesel
	Plant	Plant
	<u>Operator</u>	<u>Operator</u>

Principles, operation, and maintenance of 1000 hp or larger diesel engines, blowers, generators, and their auxiliaries and the adjustment of such engines and their auxiliaries according to local demands and characteristics;

Good

Good

Methods of repairing and overhauling large dual-fuel

diesel engines, blowers, and gas and air compressor units;	Working	Good
Principles, procedures and practices of manual switching operations of generating equipment in a diesel-electric generating plant;	Working	Good
Safety principles and practices related to diesel-electric and auxiliary equipment operation, maintenance, and repair;	Working	Good
Knowledge of supervisory principles and practices including: planning, delegating and controlling the work of subordinates;		Good
Knowledge of techniques of training, instructing and evaluation of subordinate work performance;		Good
Knowledge of techniques for counseling, disciplining and motivating subordinate personnel;		Good
Knowledge of procedures for grievance handling;		Good
<u>Knowledges:</u>	Diesel Plant <u>Operator</u>	Sr. Diesel Plant <u>Operator</u>
Knowledge of supervisory responsibility for EEO/AA as set forth in the City's Affirmative Action Program;		Good
Knowledge of memoranda of understanding as they apply to subordinate personnel;		Working
Knowledge of City personnel rules, policies and procedures;		General

Abilities:

Diesel
Plant
Operator

Sr. Diesel
Plant
Operator

Recognize unsatisfactory operating conditions by observing meters, gauges, other indicating and measuring devices, and by abnormal sounds and engine behavior to act quickly in making operating changes or adjustments to prevent emergencies;

X

X

Prepare clear, concise and accurate reports;

X

X

Get along well with others;

X

X

Analyze and interpret plant logs, instruments charts, and reports;

X

Analyze emergency plant conditions and adopt a quick effective course of action;

X

Make sound recommendations on the purchase, specifications, and installation of diesel-electric and blower equipment;

X

Abilities:

Diesel
Plant
Operator

Sr. Diesel
Plant
Operator

Establish and maintain a work environment to enhance both employee morale and productivity;

X

Apply supervisory principles and techniques;

X

Fulfill supervisory affirmative action responsibilities as indicated in the City's Affirmative Action

Program; X

Train employees in the safe operation, maintenance, repair and overhaul of diesel plant equipment and its auxiliaries; X

Two years of experience in assisting in the operation, maintenance, repair or overhaul of 1000 hp diesel or gas electric equipment is required for Diesel Plant Operator.

Four years of experience as a Diesel Plant Operator or in a class at least at that level which provides experience in the operation, maintenance, repair, and overhaul of 1000 hp diesel-electric or gas equipment is required for Senior Diesel Plant Operator.

License: Both Classes: A valid Diesel Engineer's License issued by the Los Angeles City Department of Building and Safety is required.

Physical Requirements: Both Classes: Strength to perform average lifting up to 25 pounds and occasionally over 70 pounds; arm, hand, and finger dexterity with at least one hand involved in activities such as reaching, handling, and feeling; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in these classes. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what all of the duties and responsibilities of any individual position shall be.