

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

EQUIPMENT TECHNICIAN II

DEFINITION:

Under general supervision, to perform difficult repair and maintenance work on a wide variety of general mechanical equipment; or to assist in the difficult repair and maintenance of mechanical equipment at a water or sewage treatment plant or a landfill gas flare station; to lead or supervise subordinate personnel in the repair and maintenance of mechanical equipment; and to perform related work.

* **EXAMPLES OF DUTIES:**

- Inspects, repairs, and maintains complex mechanical equipment such as gate, butterfly, pressure regulating, blowoff, altitude, hydraulic operating units of control valves, and similar valves;
- Cleans, replaces, and repairs water sewage, chlorine, and caustic soda pumps;
- Calibrates and overhauls sewage flow metering devices, backflow devices, and water meters of varying sizes and types;
- Calibrates landfill gas and groundwater monitoring equipment such as Organic Vapor Analyzers, Flame Ionization Detectors, pH and Electrical Conductivity meters;
- Monitors landfill generated gases, such as methane, hydrogen sulfide and sulfur dioxide, using a variety of gas analyzing instruments and makes minor adjustments to the landfill gas collection system according to general guidelines;
- Troubleshoots, diagnoses and repairs problems with changes in flow, pressure and volume on landfill gas and landfill gas collection lines;
- Maintains and repairs gasoline driven air compressors, generators and pumps, electric blowers, and air-powered submersible and dual diaphragm pumps;
- Removes, replaces, and maintains tanks, pressure control pipe line systems, chemical distributing lines, and blowers;
- Adjusts, repairs, and maintains lawn mowers, forklifts, and a variety of small motorized grounds maintenance equipment;
- Removes, replaces, and repairs pistons, rings, carburetors, transmissions, clutches, and differentials; cuts, threads, and joins pipe;
- Makes field inspections and repairs, maintains, and rebuilds large water meters;
- Cleans and calibrates measuring devices, piston wheels, and regulators;
- Plans, assigns, leads and supervises the work of subordinates engaged in repairing a variety of mechanical equipment;
- May paint mechanical equipment;
- Keeps logs, maintains records, and makes reports;
- Trains and evaluates subordinate personnel;
- As directed, applies productivity time guidelines and other required data to work repair forms;
- Drives a light truck.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Two years of experience repairing mechanical equipment such as water or parking meters, pumps, valves, air compressors, power tools, small gasoline or diesel engines, irrigation equipment mowers, shop equipment, or repairing and servicing safety equipment such as respirators, SCBA's, explosivometers, air lines, emergency mobile equipment, light meters, sound level meters, and/or firefighting equipment. Possession of a valid California Class C Driver's License.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.