

**CLASS SPECIFICATION**

**SAN DIEGO CITY CIVIL SERVICE COMMISSION**

**EQUIPMENT TECHNICIAN II – 1438**

**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, and hydraulic control valves, 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, and 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, pumps, electric blowers, and air-powered submersible and dual diaphragm pumps;
- Removes, replaces, and maintains tanks, pressure control pipeline 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 piping system components, 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;
- Repairs, adjusts, and maintains conveyors;
- 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;
- Maintains inventory of equipment;
- Determines maintenance schedules for equipment;
- Trains and evaluates subordinate personnel;

\* **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.

- 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 Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Two years of full-time experience repairing a variety of mechanical equipment such as water or parking meters, pumps, valves, air compressors, power tools, small gasoline engines, diesel engines, irrigation equipment, hydraulic actuators/valves, hydraulic systems, mowers, shop equipment, and/or repairing and servicing safety equipment such as respirators, Self-Contained Breathing Apparatus (SCBA), explosimeters, air lines, emergency mobile equipment, light meters, sound level meters, and/or firefighting equipment. Possession of a valid California Class C Driver's License may be required.