

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

AQUATICS TECHNICIAN II – 1732

DEFINITION:

Under general supervision, to inspect, maintain, and perform complex repairs of aquatic equipment and facilities including motors and pumps at various Citywide fountains, water features, and swimming pools; to design, renovate, and construct aquatic facility systems including circulation, filtration, and plumbing systems; to test and maintain water quality as required by health codes and safety standards; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

Performs the more complex repairs and maintenance of aquatic facilities. It is distinguished from the lower-level Aquatics Technician I class by its work in the design, construction, and renovation of fountains and water features, including lighting and electrical works, electronic control systems, plumbing, and piping. This class may also serve as a lead over subordinate classes.

*** EXAMPLES OF DUTIES:**

- Designs and renovates aquatic facilities including installation, repair, and maintenance of electrical motors and time locks, specialized filter systems, aerators, protein stripper systems, and cement preparation and pouring;
- Installs, maintains, and repairs electronic components including control and feed systems and timers;
- Repairs and maintains aquatic facility piping systems, including welding, brazing, and fabricating piping and piping components;
- Installs and maintains bulk chemical storage tanks;
- Installs, repairs, and maintains compressed air components used in aquatic facilities including nano-shooters and micro-shooters;
- Cleans, replaces, repairs, and adjusts ozone, chlorine, and other water chemical injectors, pumps, and devices;
- Calibrates and overhauls chemical and water flow metering and circulation devices, gauges, and meters;
- Maintains, repairs, and replaces filter systems, recirculation pipes, valves, related fittings, and pumps;
- Performs painting and marking of filters and circulation systems;
- Samples and tests aquatic facility water;
- Tests and maintains water quality as required by health codes and safety standards;
- Calculates accurate water treatment chemical applications;
- Applies the proper chemicals, backwashing procedures, water circulation, and filtration to provide and maintain consistent water balance and quality required by established health codes and safety standards;

* **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.

- Keeps accurate records on water quality and the condition of the aquatic facilities equipment, materials, and supplies;
- Inspects and logs safety incidents, equipment malfunctions, vandalism, and thefts;
- Inspects and reports or repairs malfunctions to lighting, electrical, electronic, and heating systems;
- Reports structural wear or failures of aquatic facilities;
- Maintains inventory of equipment and schedules maintenance for equipment.

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 maintaining and repairing mechanical equipment including pumps, valves, filters, chemical systems, and piping systems at large commercial aquatic facilities. Qualifying experience must include one year of full-time experience in the renovation and/or modification of pumping, circulation, and filtration systems. Possession of a valid Certified Pool/Spa Operator (CPO) or Aquatic Facility Operator (AFO) certification is required.