

**CLASS SPECIFICATION  
SAN DIEGO CITY CIVIL SERVICE COMMISSION**

**AQUATICS TECHNICIAN II**

**DEFINITION:**

Under general supervision, to inspect, maintain and perform complex repairs of aquatic equipment and facilities including fountains, water features and swimming pools; to design, renovate and construct aquatic facilities; 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 systems and timers;
- Repairs and maintains aquatic facility piping systems, including welding, brazing and fabricating piping and piping components;
- 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;
- Calibrate and overhaul 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;
- 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;
- 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.

**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 full-time experience maintaining and repairing mechanical equipment including pumps, valves, piping systems and filtration equipment at large commercial aquatic facilities. Qualifying experience must include design and renovation of water features and fountains. Possession of a Pool and Spa Operator Certificate and 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.