

Job Posting

Submission ID: 1653828 - x5a1ee96d983b70.04326261

The message has been sent from 209.232.226.99 (United States) at 2017-11-29 11:07:57

Position	Water Systems Specialist I
Facility	Monterey Bay Aquarium
Location	Monterey, CA
Job Summary	<p>This position is responsible for maintenance, monitoring, operation and trouble-shooting of life support and water treatment systems at Monterey Bay Aquarium (MBA). This position contributes to the design and implementation of life support and water treatment systems at MBA. This position works closely with Water Quality and Husbandry staff to identify issues and assess water system functionality, and is responsible for coordinating efforts by Facilities staff and outside contractors to complete retrofits, additions and repairs. This position contributes to Applied Research (AR) water systems research projects, stays abreast of new technologies in the field of water systems, and, when appropriate, integrates findings into MBA operations.</p> <p>Core Responsibilities</p> <p>Assumes responsibility for the routine monitoring, troubleshooting and maintenance of MBA life support and water treatment systems, including, but not limited to, biological, chemical and mechanical filters, protein fractionators, ultraviolet sterilizers, ozone and oxygen injection systems, heaters, chillers, pumps and exotic species treatment systems. Identifies system/equipment maintenance tasks and works with Facilities staff and/or contractors to repair/replace equipment and resolve system problems.</p> <p>Contributes to the design and implementation of life support and water treatment systems. Tasks include design, engineering, research, managing equipment/parts procurement, construction, and start-up. Assists with the preparation of Operation and Maintenance Manuals and training of Facilities staff for new and existing systems.</p> <p>Performs research and development pertaining to the design, operation and evaluation of life support/water treatment systems.</p> <p>Monitors MBA seawater and storm drain discharge to the ocean and to the sewer system. Oversees systems flow monitoring and data summarization.</p> <p>Interfaces instrumentation to review data related to water systems. Monitors trends related to life support systems to identify potential issues. Maintains computer databases; summarizes and interprets data; prepares graphic summaries and written reports.</p>

Assumes responsibility for ordering equipment and supplies, as needed, maintaining inventory of replacement equipment, and coordinating equipment service by outside contractors.

Performs a wide variety of activities in support of the AR Water Quality team, including, but not limited to: assisting with routine water quality chemistry, sensor maintenance, regulatory sample collection and testing, and microbiology.

Absolutely Required Skills / Knowledge / Ability / Experience or Education

Undergraduate degree in Biological Science, Engineering or Chemistry

Minimum of 2 years' experience working in an environmental, commercial or industrial position applying fluid systems (design, construction, operations, maintenance)

Working knowledge of aquariums (home or commercial) and design/function of aquatic life support system components

Water system and mechanical engineering skills, including pump sizing, flow determinations, and reading/interpreting construction/engineering documents

Practical skills with hand and power tools used for light fabrication and mechanical maintenance

Practical skills in electronics and instrumentation

Basic working knowledge of techniques and instrumentation used in analytical seawater chemistry and microbiology

Capable of balancing a dynamic and diverse workload

Problem solving skills

Excellent communication and interpersonal skills

Ability to work independently and as part of a team

Working knowledge of computers and software used for word processing and database management (e.g., Microsoft Windows, Word, Excel and Outlook)

Desired Skills / Knowledge / Ability / Experience or Education

Master's degree or equivalent experience in Biological Science, Environmental Science, Hydrology, Engineering, or related field

Working knowledge of computer-aided design software (i.e., AutoCAD)

Ancillary Responsibilities

	<p>Maintenance of AR Department chemical inventory, including chemical inventory database and Safety Data Sheet files</p> <p>MBA public relations and educational activities, such as providing facility tours or information related to water quality and life support systems</p> <p>Monitoring of the Splash Zone Water Play system, as needed</p> <p>Creating technical drawings using drafting software, such as AutoCAD</p>
Essential Functions	
Other Duties and Responsibilities	
Knowledge, Skills and Abilities	
Education & Experienced Required	
Licenses and Certifications Required	
Physical Requirements	
Working Conditions	
Salary	
Respond To	https://montereybayaquarium.snaphire.com/jobdetails?ajid=5p248&preview=m-EXTERNAL_ajid-5p248
Closing date	01/03/2018

Entry ID

186