

Position	Water Laboratory Supervisor
Facility	California Science Center
Location	Los Angeles, CA
Job Summary	Working closely with the Director of Life Support Systems, the Water Laboratory Supervisor creates and implements policies and procedures for maintaining excellent water quality. The Water Laboratory Supervisor oversees one technician and several volunteers, as well as, is responsible for the oversight of the water quality laboratory including safety, developing standard operating procedures, and routine testing and monitoring of all aquatic exhibits. To ensure that the highest level of care is provided to all animals in our care, analyzes results to detect trends or issues and works collaboratively with Husbandry and Life Support staff to remedy issues prior to them affecting animal health.
Essential Functions	<p>MAJOR JOB RESPONSIBILITIES</p> <ul style="list-style-type: none"> • Develop and implement full water quality testing, analysis, and control procedures for closed aquatic systems (freshwater and saltwater). • Work closely and collaboratively with the Life Support, Aquatic Husbandry and Veterinary staff through regular formal and informal meetings to ensure optimal water quality and health of our Living Collections. • Measure, record and monitor water parameters including ozone, pH, temperature, salinity, oxygen, phosphate, residual oxidants, magnesium, strontium, calcium, iodine, ammonia, nitrite, nitrate, copper, ORP, alkalinity, and other biological and chemical parameters for all exhibit and holding systems. • Performs microbiological examination of exhibit and reservoir water including testing for coliform and total bacteria. • The position is expected to develop a strong understanding of how life support and husbandry operations affect water chemistry and the effects of water chemistry on aquatic animal health. • Develop knowledge of AZA accreditation standards as they apply to water quality and operation of the water quality laboratory. • Collect water samples and analyze using current and proven laboratory techniques. • Record and maintain results within TRACKS software. • Develops and maintains budget and inventory for laboratory operations. • Manages chemical waste disposal in accordance with local, State, and Federal regulations. • Assist Life Support Systems Manager with troubleshooting of exhibits with parameters outside of established acceptable levels. • Supervise, train and mentor the water laboratory technician and a diverse group of volunteers. • Participate in the selection of water laboratory staff and volunteers. • Implements and monitors safety standards and procedures for the Water Laboratory. • Maintains current knowledge of techniques and equipment used in the field. • Responsible for all water laboratory purchasing utilizing both State and Foundation purchasing systems. • Perform other duties as required such as; Serving as support to the Life Support Systems Manager including purchasing, processing timecards etc., Participating in research activities.
Other Duties and Responsibilities	
Knowledge, Skills and Abilities	
Education & Experienced Required	<p>QUALIFICATIONS</p> <ul style="list-style-type: none"> • BS/BA in Chemistry, Biology, or related field.

2+ years operating/overseeing a laboratory. • Advanced knowledge of water chemistry, as well as methods and procedures necessary for proper sampling and analysis of water. • Experience testing parameters such as pH, oxygen, total gas pressure, salinity, ammonia, nitrite, nitrate, calcium, phosphorous, alkalinity, ORP, residual oxidants, copper, iron, etc., especially in seawater. • Excellent laboratory skills, including ability to analyze data, prepare technical reports, and interpret and evaluate technical information. • Experience with atomic absorption spectroscopy (AA) and/or high precision liquid chromatography/ selective ion chromatography (HPLC/ IC). • Experience writing clear, detailed standard operating procedures. • Experience with method development and validation. • Excellent problem solving skills. • Effective oral communication, as well as strong technical writing skills are essential. • Ability to supervise, train, and mentor a diverse and technical staff including volunteers. • Knowledge of OSHA and Cal OSHA standards and ability to apply them in an aquarium environment. • Experience working in a laboratory at an AZA-accredited aquarium or comparable institution, with a strong emphasis on closed marine and freshwater systems (preferred). • Knowledge of AZA accreditation standards as they apply to water quality and operation of a water laboratory (preferred). • Experience creating and maintaining operating budgets (preferred). • Ability to lift 50 pounds

Licenses and Certifications Required

Physical Requirements

Working Conditions

Salary

The California Science Center Foundation is proud to offer a generous benefits package that supports the health and wellbeing of our community. The Science Center also provides an Employee Assistance Program and Wellness Program to support the well-being of our employees in a confidential and professional manner. Medical, Dental, and Vision The California Science Center Foundation offers competitive medical, dental, and vision benefits for full-time and part-time variable employees. Retirement The California Science Center Foundation provides all employees access to a 403(b) retirement plan. Employees may begin contributing to their retirement plan on the first of the month following their hire date. Reciprocal Admission California Science Center Foundation employees enjoy a FREE or discounted admission to more than 350 other science centers and museums nationwide Discounts California Science Center Foundation employees are eligible for free Science Center memberships, as well as discounts at Trimana food services and the Explorastore

Respond To

All Foundation applications must include: Cover letter Resume California Science Center Foundation job application Apply by email: E-mail all application materials to HR@californiasciencecenter.org Apply by fax: Fax all application materials to the Foundation Human Resources Department at 213-744-2673. Apply by mail: Applications may be mailed to: California Science Center Foundation Attn: Human Resources Department 700 Exposition Park Drive Los Angeles, CA 90037 No phone calls please

Closing date

10/25/2021

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