<table>
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<tr>
<th><strong>Position</strong></th>
<th>Life Support Systems - Lead Construction and Maintenance Worker</th>
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<td><strong>Facility</strong></td>
<td>San Diego Zoo Safari Park</td>
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<tr>
<td><strong>Location</strong></td>
<td>Escondido, CA</td>
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**Job Summary**

Requirements include: This position requires experience with water quality systems and with water chemistry analysis techniques. Thorough understanding and ability to troubleshoot complex water treatment and filtration systems is necessary. Knowledge of aquarium water chillers, and ozone systems, plumbing, PVC piping application, pumps, motors and filtration equipment is required. Applicants must have AALSO certification or equivalent. At least 5 years of experience working in a general maintenance field or in an AZA accredited zoo, aquarium or equivalent facility is required. Seeking a qualified applicant with specific experience in the operation of aquatic animal life support systems. Daily responsibilities include the operation of filtration systems that may utilize sand filtration, bio filtration, ozone generation, temperature control and other related equipment. General knowledge of repair and maintenance techniques of life support and related equipment is required. This position requires working outdoors, heavy lifting (approximately 75 pounds) and working with potentially hazardous chemicals.

**Essential Functions**

Manages and evaluates support staff as assigned
Maintains the life support systems for the animals in the collection
Conducts daily water quality testing, chlorine, salinity, and pH
Coordinates with Zoo Veterinarian Services clinical lab weekly coli-form testing
Operates, monitors and maintains the associated equipment (pumps, chillers, ozone generators, filters, and piping systems)
Writes and tests emergency procedures for life support systems
Works closely with SDZG team (vets, curators, architecture, etc.) to effectively plan for water quality needs for the animals
Maintains accurate records and distributes reports
Enters data into the Zoological Information Management Systems (ZIMS)
Keeps current with certifications necessary for the operation of the water quality lab
Develops water quality test schedules to ensure clear understandable data for each system
Maintains communication with General Curator, Director of Operations, Director of Veterinary Services, Animal Department Supervisors, C&M and other regarding water quality parameters for each system
Understands and follows AZA and USDA rules
Be familiar with regulations for housing marine mammals in terms of life support system
Understands and implements any testing and monitoring parameters required to comply with the Animal Welfare Act (AWA)
Maintains current records for review by USDZ-APHIS inspector upon request
Develops and enforces water quality safety protocols
Recommends related standards for collection management
Provides specialized training for collection management personnel as needed
Participates in exhibit and facility planning, research and design
Adheres to all SDZG and department policies and practices
Exemplifies the highest standard of work ethics
Practices the GRRREAT Customer Service Standards
Other Duties and Responsibilities

Ensures the highest standard of water quality, by conducting daily water quality testing, chlorine, salinity, and pH. Assists in defining the water quality parameters that are appropriate for the species housed within each aquatic and marine system. Makes chemical additions as necessary with the understanding of how it impacts the health of the animals. Troubleshoot and repair systems and water issues quickly. Oversees and participates in the preparation and maintenance of a variety of collection records required for collection maintenance. Assures effective organizational communication and team building. Maintains a variety of appropriate contacts in order to respond to inquiries, repairs and requests. Effectively coordinate collection husbandry and maintenance activities. Conducts special tours as required. Assures assigned operational protocol comply with established protocols, professional standards and government regulations. Conducts special projects as assigned. Reviews and comments on related legislation.

Knowledge, Skills and Abilities


Education & Experienced Required

Knowledge of aquarium water chillers, and ozone systems, plumbing, PVC piping application, pumps, motors and filtration equipment is required. Applicants must have AALSO certification or equivalent. At least 5 years of experience working in a general maintenance field or in an AZA accredited zoo, aquarium or equivalent facility is required. Seeking a qualified applicant with specific experience in the operation of aquatic animal life support systems.

Licenses and Certifications Required

Applicants must have AALSO certification or equivalent.

Physical Requirements

This position has been identified as one requiring at least occasional lifting in excess of 75 pounds. Move moderate to heavy objects. Move about uneven surfaces and on slippery surfaces. Work from elevated positions.

Working Conditions

Work outdoors exposure to varying weather conditions; temperatures above 100 degrees in the summer months at the Safari Park; dust, allergens, and loud noises; exposure to potential hazards involved in working with various tools, equipment, and hot materials, potential electrical shock, allergens, and/or potentially toxic materials work in confined or cramped spaces; exposure to noise.

Salary

(Union positions) Starting hourly rate: 28.37

Respond To

For more information and to apply: www.sandiegozoo.org/jobs

Closing date

11/14/2018