

Position	Life Support Systems - Lead Construction and Maintenance Worker
Facility	San Diego Zoo Safari Park
Location	Escondido, CA
Job Summary	<p>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 Level 2 AALSO certification. 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. SCUBA certification is highly desirable. This position requires working outdoors, heavy lifting (approximately 75 pounds) and working with potentially hazardous chemicals.</p>
Essential Functions	<p>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</p>

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
Knowledge, Skills and Abilities	Water quality systems Water chemistry analysis techniques Aquarium life support systems Regulatory and membership agencies and regulations (USDA, USFWS, AZA, AALSO, etc.) Exhibit design and maintenance desirable Effective leadership skills Using ZIMS Marine animal husbandry Automated life support systems and maintenance techniques Vacuuming, filter maintenance, and temperature monitoring
Education & Experienced Required	At least 5 years of experience working in a general maintenance field or in an AZA accredited zoo, aquarium or equivalent facility is required.
Licenses and Certifications Required	Applicants must have Level 2 AALSO certification.
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 and 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	Please apply to our career website at www.sandiegozoo.org/jobs
Closing date	10/23/2018

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