

Position	Life Support Systems Technician
Facility	Riverbanks Zoo and Garden
Location	Columbia, South Carolina
Job Summary	<p>Ambassador Commitment: Create meaningful connections and inspire actions that will have a lasting impact on conservation.</p> <p>Responsibilities: Given objectives set by the Director of Facilities Maintenance, is responsible for operating, repairing, and maintaining Riverbanks LSS equipment, structures and facilities. Will ensure a safe work environment, while understanding the operation and interpretation of technical LSS equipment. Follows USDA, DHEC, OSHA, AZA, etc. standards in all areas.</p>
Essential Functions	<p>Essential Functions:</p> <ul style="list-style-type: none"> • Operates, monitors, and performs minor service to all equipment vital to the operation of animal exhibit water quality, life support systems, and exhibit water features, including, but not limited to: filters, pumps, motors, compressors, generators, lights, fans, meters/probes, protein fractionators, water chillers and heat exchangers, UV sterilizers, ozone generators and air prep units. • Completes regular preventative maintenance, calibration, troubleshooting, and repair to analytical instrumentation, probes, and mechanical equipment. • Maintains a clean and safe work environment, while utilizing a wide array of carpentry, mechanical, plumbing, and dive repair tools and various types of machinery and equipment. • Builds, repairs, remodels, and/or replaces facilities and structures in the performance of duties. Assists in building new structures and renovating and repairing existing structures. Works with contractors on designing and retrofitting spaces for LSS. • Maintains efficient operation of the Sea Lion Wetlands water recovery system. Prepares and maintains saltwater batches for Sea Lion LSS. • Routinely completes water quality diagnosing procedures and checkups using an array of analytical equipment, such as spectrophotometers, digital pH meter, and gauges. Performs analyses for monitoring of: salinity, pH, temperature, ammonia, nitrite, nitrate, copper, ORP, hardness, calcium, phosphates, turbidity, bacterial counts (Coliform and Enterococcus), and any other parameters deemed necessary by Animal Care Staff and the Senior LSS Technician. • Coordinates LSS activities and water quality parameters with the animal care staff to establish and maintain an environment conducive to the health and well-being of the animal collection. Communicates any water quality concerns to the Curator and Veterinary Staff. Utilizes ZIMS for accurate record keeping. • Maintains a centralized laboratory to perform water quality testing for the Penguin, Sea Lion, Grizzly, Otter, and Siamang exhibits. Prepares and maintains inventory, water quality logs and reports, and maintenance reports and requests. • Determines necessary supplies/materials needed for tasks and to maintain inventory status. • Maintains the Waterfall Junction Splash Pad to ensure all water quality parameters and the facilities are within DHEC standards. Understands basic pool filtration and equipment, including automated dosing systems and UV sterilization. • Serves as a member of the dive staff and participates in dive operations as needed in positions of diver, tender, and DPIC (Designated Person In Charge), as needed. Also participates in dive

emergency exercises in various exhibits. Comprehends and follows the Riverbanks Dive Safe Practices Manual during any diving activities. • Effectively interacts and communicates with supervisor/team, employees, volunteers, Riverbanks guests, and various external groups/individuals (e.g. sales representatives, contractors, etc.). Collaborates with the animal care and maintenance staff to ensure the integrated delivery of LSS operation/maintenance for the safety and welfare of the animal collection. • Must be available for on-call/weekend duty and for emergencies. Works beyond a 40/hour work week, as required. Some travel required to attend meetings, professional development opportunities or conferences (e.g. AALSO and AZA).

Other Duties and Responsibilities

Knowledge, Skills and Abilities

Education & Experienced Required

Education and Experience: Bachelor's degree in Marine Science, Biological Sciences or a related field required. Experience with commercial LSS equipment, water quality testing equipment, and/or pool filtration and equipment preferred; or any equivalent combination of education, training and experience which provides the required knowledge, skills and abilities. Open Water Dive Certification from a nationally accredited organization desired. Experience working in an AZA accredited institution preferred. The ideal candidate will enjoy working within a collaborative environment and be a team player. Must be organized, detail oriented, and have excellent written and verbal communication skills with a very high standard for service. Will be able to handle multiple projects simultaneously and possess thorough knowledge of current computer applications to include MS Office Suite. Must be able to pass a dive medical evaluation and be able to lift and carry up to 70 lbs. repeatedly. Must possess or be eligible for a valid SC driver's license.

Licenses and Certifications Required

Physical Requirements

Working Conditions

Salary Salary: \$15.13 - \$17.00 per hour

Respond To please apply via our webpage: <https://www.riverbanks.org/join-our-team/job-opportunities>

Closing date 03/19/2021