

Position	Life Support Systems Technician
Facility	Wonders of Wildlife
Location	Springfield, MO
Job Summary	Program, operate, maintain and monitor all marine and freshwater aquatic life support systems including pumps, piping, filtration, disinfectant processes and control systems. Operates, maintains and repairs building plumbing and piping.
Essential Functions	Operate, maintain, troubleshoot and repair Life Support Systems; including water filters, ozone generation and treatment, chlorine dosing equipment, UV sterilization, protein fractionators and associated computer controls. Works with LSS Manager, Facilities Manager, and Life Sciences, Water Quality and Veterinary departments to maintain an environment conducive to the health and well-being of all animals within the WOW Collection. Ensure adequate amounts of prepared freshwater and saltwater is available for all animal enclosures. Responsible for updating, and performing the LSS preventative maintenance program, including monitoring all filtration systems and water parameters Operate, maintain, troubleshoot and repair pumps, filters, valves, and actuators. Responsible for providing adequate means to fulfill repair maintenance for the Life Support Systems by maintaining adequate spare parts and special tool inventories. Work closely with the Life Support Systems Manager and Facilities Manager to perform standard operating procedures and operation sequences for LSS systems, plumbing and piping. Maintain operational data logs on all water systems. Mentors and trains less experienced staff in all aspects of the Life Support Systems. Assist staff and visitors as needed in a pleasant, professional and courteous manner. Performs other duties as assigned.
Other Duties and Responsibilities	
Knowledge, Skills and Abilities	Requires experience with large-scale aquatic life support and filtration systems preferably in a zoo or aquarium. Must have a good understanding of mechanical, chemical, and biological filtration as it applies to aquarium systems. Requires knowledge of automated controls, pneumatics, electro-mechanical and electro-optical devices and methods. Experience with RCK control systems preferred. Requires ability to read blueprints, schematic drawings and diagrams, P&ID's. Requires good computer and professional communication skills, and the ability to operate all required Microsoft office and building controls equipment. Experience with Trane systems preferred. Ability to work in a team environment or alone. Ability to interact in a positive and timely manner with peripheral teams i.e. Animal education outreach programs, Life Sciences, Veterinary care, Water Quality, Outside Vendors, and Guests. Ability to work flexible hours, weekends, and holidays. Thorough knowledge of freshwater and saltwater chemistries. Basic plumbing, mechanical, and electrical skills. Basic swimming ability.
Education & Experienced Required	
Licenses and Certifications Required	SCUBA diving certification preferred AALSO Life Support Operator Level I certification or the ability to obtain one within 1 year Valid driver's license
Physical Requirements	Mental - Requires a high degree of attention, concentration, and attention to read and interpret designs, specifications, and schematic drawings. Physical. Requires walking/standing approximately 50% of time; sitting approximately 10% of time; lifting up to 80 lbs. approximately 20% of time; stooping, forward bending and crouching approximately 20% of time. Environmental - Requires capability of performing essential job functions in an outside environment unprotected from severe weather conditions, on construction sites where hazardous materials and activities generally require special precautions, in mechanical equipment rooms where spaces are small and tight, and in an office environment with climate-control and good lighting. Manual Dexterity - Requires ability to operate computers and other general office equipment, and to operate tools used for maintenance, construction and repair. Audible - Requires the ability to verbally communicate with employees, distributors, and technical professionals in person and via telephone. Visual - Requires the ability to operate office equipment including computers and read written instructions, blue prints and other documentation
Working Conditions	

Salary

Respond To

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