

Job Posting

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Position	LSS Operator
Facility	NY Aquarium
Location	Brooklyn, NY
Job Summary	The Life Support Systems Operator (LSSO) is a Technical Position, safety sensitive, essential, responsible for the safe operation, monitoring, troubleshooting, maintenance and repair of the New York Aquarium's Fresh-water and seawater systems and other related work as required. The LSSO is expected to perform high quality work in support of New York Aquarium's mission.
Essential Functions	<ol style="list-style-type: none"> 1. Installs, operates, monitors and ensures proper functioning of all equipment vital to the operation of animal exhibits, quarantine and holding and life support systems and exhibit water features (eg. pumps, valves, filters, ozone generators, UV sterilizers, backwashers, generators). Maintains efficient operation of backwash recovery system and water reclamation in order to reclaim at least 95% on marine systems. Prepares and maintains salt water batches and water transfers on large systems. Maintains proper water quality using sanitizers, ozone and other chemicals. Maintains proper water filtration for turbidity/clarity. 2. Performs PM tasks and affects necessary repairs on all life-support related equipment including, but not limited to: freshwater and seawater pumps, filters, heat exchangers, valves, pressure regulators and automation equipment, low voltage systems, ozone equipment, UV sterilizers, air prep units, blowers, building hardware, LSS plumbing, generators, and other duties as deemed necessary to maintain life support operations. Ensure tasks are accomplished and meet the quality standards. 3. Communicates daily with supervisor, plant engineering staff, co-workers, animal staff and laboratory staff with regard to LSS and water quality issues as they relate to animal health and exhibit function/appearance. Works closely with co-workers to ensure all scheduled and unscheduled water changes, transfers and tank-drop procedures are completed safely and efficiently. 4. Assists in the design and installation of new filtration systems. Interprets blue prints and equipment drawings. 5. Responsible for maintaining accurate records;generates work orders and daily log sheets in a neat and orderly fashion, uses computer, MS Office and MS Outlook. 6. Assists in other animal care areas as assigned. 7. Performs various troubleshooting techniques related to system problems and/or malfunctions, and responds to emergencies. 8. Assures safety of self, animals, co workers and visitors by observing safety guidelines around the

	<p>animals, equipment and vehicles.</p> <p>9. Utilizes chemical supply products and follows standardized usage guidelines and safety information as set by the Material Data Sheets and makes recommendations to curator staff on compliance related issues.</p> <p>10. Read, understand and utilize technical manuals and data regarding LSS Operations, methodology and equipment.</p> <p>11. Attends team meetings and participates in developmental seminars (e.g remains current on job skills) and workshops are required.</p> <p>12. Ability to interact with the public and provide factual information on the local animal population or the Aquarium's animal collection through personal knowledge and referring the question to the appropriate department.</p> <p>13. Drives New York Aquarium vehicles to work related areas for field investigations and other local businesses and suppliers for correspondence and needed materials</p> <p>14. Ability to conduct tours of all LSS spaces and present information to VIP's in a clear and concise manner.</p>
Other Duties and Responsibilities	
Knowledge, Skills and Abilities	<ul style="list-style-type: none"> * Knowledge of safety rules and procedures applicable to the position and of occupational hazards and safety procedures.
	<ul style="list-style-type: none"> * Knowledge of major water process filtration components and their application. * Knowledge of assembly, operation, and repair of reciprocating compressors, centrifugal compressors, ozone generators and centrifugal pumps. * Knowledge of hydraulic systems as they relate to water process, particularly for aquaculture and aquarium systems. * Knowledge of plumbing practices, materials and tools as they relate to trade * Knowledge of water quality testing as it relates to water process and purification systems, aquaculture systems and aquarium system. * Knowledge of basic electrical theory, electrical components, and their application * Knowledge of troubleshooting, and repair techniques and procedures for mechanical electrical and electronic equipment for water process equipment * Knowledge of basic refrigeration equipment as it relates to trade * Knowledge of how to oil, grease, clean and replace motors, bearings and other frictional wearing surfaces that are trade related * Skill in the application of operating, troubleshooting, maintaining, and repairing mechanical, electrical,

	<p>and control equipment as it relates to aquatic life support systems.</p> <ul style="list-style-type: none"> * Skill in plumbing materials, tools and techniques related to water process systems, aquarium or aquaculture systems * Ability to train personnel * Ability to establish and maintain effective working relationships * Ability to read blueprints and technical drawings * Ability to use basic electrical test equipment proficiently * Ability to follow oral and written instruction
Education & Experienced Required	<ul style="list-style-type: none"> * High School Graduate or GED
	<ul style="list-style-type: none"> * Six months experience in fields, such as aquarium life support, aquaculture, commercial water treatment and similar industry that provides the knowledge, skills and abilities listed below; or any equivalent combination of experience and training which provides the required knowledge, skills and abilities. * Experience in the maintenance of aquariums, aquatic life support systems and use of water quality testing equipment preferred
Licenses and Certifications Required	<ul style="list-style-type: none"> * Must have, or obtain a current valid New York driver's license
	<ul style="list-style-type: none"> * Must obtain AALSO accreditation level 1 after 1 year as LSSO level 2 within 3 years of hire and level 3 within 5 years of hire * Must be able to obtain ASME B31.3 Bonding Certification for PVC and CPVC materials within 1 year. * Must be able to obtain certification in the operation of counterbalanced lift trucks and skid steer loads within 1 year of hire.
Physical Requirements	<ul style="list-style-type: none"> *Ability to lift and move materials weighing in excess of 75 lbs. * Ability to climb and work from ladders up to 72' in height * Ability to work in confined spaces * Ability to work indoors, outdoors and in inclement weather * Ability to work in and around water * Ability to work in and around animals * Ability to respond to various emergencies and crisis outside of normal business hours and within a reasonable time frame; this position is safety sensitive and essential. * Ability to work nights, weekends and holidays * Ability while performing the duties of this job, the employee is regularly required to use hands to fingers, handle, feel or operate objects, tools, or controls and reach with hands and arms. The employee frequently is required to stand and talk or hear. The employee is required to walk; sit; climb or balance; stoop, kneel, crouch, crawl; and taste or smell.

Working Conditions	
Salary	
Respond To	Dennis Ethier
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	{718} 265-3464

Entry ID

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