

Position	Aquatic Animal Life Support Systems Specialist
Facility	Cheyenne Mountain Zoo
Location	Colorado Springs, CO
Job Summary	We are looking for an experienced LSS person to operate and maintain our LSS and water quality operations. At the Cheyenne Mountain Zoo, we have 9 major Aquatic Animal Exhibits totaling nearly 400,000 gallons of water utilizing a combination of sand filters, bead filters, drum filters, UV Sterilization, Ozone, and liquid chlorine. The keystone (and newest) aquatic exhibits are the Hippo Exhibit and the African Penguin Exhibit.
Essential Functions	With minimal supervision, as part of the Maintenance Team, the Senior Maintenance Specialist – Aquatic Animal Life Support Systems (SMS-AALSS) is responsible for maintaining operating and maintaining all Aquatic Animal Life Support Systems (LSS), as well as give guidance and training to the maintenance team on daily operations and basic troubleshooting. This includes performing proactive/preventative maintenance to improve function and appearance of zoo facilities, and be able to complete work across all trades and disciplines. This position is non-supervisory and reports to Facilities Maintenance Manager. The maintenance team promotes professional working relationships with both internal and external customers and adheres to and supports all organizational policies and procedures and standards. Promotes teamwork
Other Duties and Responsibilities	<ul style="list-style-type: none"> • Performs all duties of the Maintenance Assistants, Maintenance Technicians, Senior Maintenance Technicians, and Maintenance Specialists as needed. • Diagnose and repair water treatment processes including, but not limited to, filters, ozone systems and UV treatment processes. • The technician will be required to maintain and complete all necessary logging and record keeping for testing and operations of the LSS systems on campus. • Workspaces and systems/subsystems be kept clean functional and inspection ready at all times to ensure animal welfare and safety as well as regulatory compliance. • Develop SOP's, basic trouble shooting strategies, and training programs for each system. Train other maintenance team members and supervisors on daily operations, troubleshooting, and testing procedures for all LSS systems within the campus. • promote and pursue professional working relationships with both internal and external customers. • Directly responsible for all operations, maintenance, upkeep, and repairs of the following systems: <ul style="list-style-type: none"> o AH - Tiger Pool 30,000gal Sand Filters with an UV System o AUS - Alligator, Duck Pool 23,800 gal Sand Filters with an UV System o EA - Elephant/Rhino LSS 77,000 gal Sand Filters with an Ozone System o LML - Beaver Pool 3,500 gal sand filter o MP - Tapir Falls / Pool 20,000 gal recirc only o RMW - Grizzly & Otter LSS 45,000 gal Sand Filters with an Ozone System o RMW - Moose Lake LSS 20,000 gal Bead Filter o WEA - Hippo 125,000 gal Drum Filters w/ Ozone & Liquid Chlorine o WEA - Penguin 29,500 gal Sand Filters with an Ozone System • Responsible to provide assistance and support with other smaller systems. • Participate in the design of new and modified life support systems and implements approved designs. • Responsible to design and build smaller systems • Collects water samples, performs various water quality tests, helps

to operate and maintain an on-site water quality laboratory, transports water samples to outside testing agencies when necessary, records data, and prepares assigned reports/records, (i.e. daily reports, water quality logs, equipment inspection logs, and other pertinent data on Life Support Systems (LSS) and facilities as required. Utilizes in-house computer data systems and software. Implements necessary adjustments to water chemistry, as needed. • Complete all work orders regarding AALSS systems in a timely manner. • Coordinate outside contractors when necessary, including obtaining bids, approving contracts and purchase agreements • With assistance from the Facilities Maintenance and Grounds Manager, manages all projects that involve emptying aquatic animal pools for repairs or maintenance.

Knowledge, Skills and Abilities

☐ Minimum of 10 or more years' experience in the maintenance, construction, or related fields with at least 3-5 years working with LSS Systems comparable in size/type of those at the Cheyenne Mountain Zoo specifically including but not limited to: o Sand filter systems – system capacity 20,000 – 80,000 gallons o Bead filter systems – system capacity 20,000-30,000 gallons o Drum filter systems – system capacity 125,000 gallons o Ozone systems o UV Sterilization System o Liquid and tablet feeder chlorine system.

Education & Experienced Required

☐ Bachelor's Degree in marine biology, aquarium science, or related engineering field desired.

Licenses and Certifications Required

☐ Advanced Certifications in water treatment including: AALSO Life Support Operator Certificate, AALSO Water Quality Certifications, advanced certifications in waste water processing, Certified Pool Operator Certificate, or other certified training desired. ☐ Previous work experience in a zoo, aquarium, or similar industry preferred.

Physical Requirements

The physical demands and working conditions described here are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. • Physical Requirements - While performing the duties of this job, the employee is frequently required to stand; walk; lift heavy objects; sit; use hands to manipulate, handle or feel objects, tools, or controls; talk, see, hear and smell. The employee is required to reach and stretch with hands and arms; climb or balance; and stoop, kneel, crouch, or crawl. The employee may be required to endure extremes in temperature and may work in hazardous environments where personal protective equipment is required. Requires full range of body motion, manual and finger dexterity, and eye-hand coordination; requires the ability to use department equipment, to communicate effectively; requires standing, walking, sitting (possibly for long periods of time) and performing repetitive tasks (including working on the computer) for up to the entire work day; requires the ability to lift/carry up to 70 pounds using appropriate body mechanics. • Visual, Hearing and Communication Requirements - Requires corrected vision and hearing to within normal range, with or without reasonable accommodation. Must be able to communicate effectively in verbal and written form with all levels of personnel within and outside of the organization.

Working Conditions

• Environmental Conditions – Working in a closed office environment and an outdoor environment. Work space may be shared. Working conditions may be noisy with fluctuating indoor and/or outdoor temperatures. May be exposed to a risk of bodily injury through contact with moving instrumentation, substances and other conditions common to an office or Zoo environment. Subject to exposure to animals or Guests which may have the potential for physical aggression. May be exposed to a risk of bodily injury through contact with moving instrumentation, toxic substances, bodily fluids, animal attack, communicable diseases, outdoor weather conditions and other conditions common in a Zoo environment. Subject to unpleasant odors. May be exposed to wet/humid/sunny conditions.

Salary

BENEFITS AND COMPENSATION This Position is a fully benefited position including group medical, dental, vision life, and disability insurance; paid holiday, vacation & sick time; retirement plan, a zoo membership; and eligibility for the bonus program. Compensation for \$22.18-\$30.00/hour based on experience and trade/industry specific training.

Respond To

How to apply: • All interested parties submit cover letter and resume through indeed.com by June 14. 2021 • When applying on Indeed, be sure to answer all screening questions. • Cover letter should include applicant's dates of availability. • Cover letter should include how you can play a role in the Zoo's mission and vision in the role you are applying for if given the opportunity to work at Cheyenne Mountain Zoo.

Closing date

06/14/2021

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