

Job Posting

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Position	LSS OPERATOR MAINTENANCE MECHANIC IV
Facility	NORTH CAROLINA ZOO
Location	ASHEBORO NC
Job Summary	<p>This position operates and maintains the filtration, ozonation and chemical treatment equipment and systems for the aquatic animal pools in numerous animal exhibits as listed above in the Primary Purpose of Position. Working collaboratively with relevant Animal Care Curators and Zookeepers, to maintaining water quality standards in these pools that meet or exceed professional and legal standards for animal health.</p> <p>Also operates and maintains systems for several non-animal aquatic features.</p> <p>Responsibilities include:</p> <ul style="list-style-type: none">• Operates complex water purification systems for pools that are the life support systems for the animals that live in them. Systems include: numerous large sand filters; carbon filters; ozone generation, contact and scrubbing equipment; chlorination and bromination equipment and systems; UV sterilization systems; centrifugal pumps, motors, piping and valves associated with the equipment; actuators and controllers for automated dosing systems and injection pumps; computerized monitoring systems, and dry air compressors• Provides installation, preventative maintenance and repairs for this equipment to insure continuous, efficient and effective operations.• Effectively communicates and coordinates with zoo maintenance staff for system and equipment repairs outside the scope or knowledge for this position but key to overall continuation of operations of these animal life support systems.• Daily monitoring and interpreting water chemistry parameters of the pools to insure water quality and clarity standards are met. Utilizes and calibrates water quality analysis equipment to monitor vital parameters. Water quality analysis equipment includes ion probes, spectrophotometers, pH meters, conductivity meters, commercial test kits, etc. Parameters monitored include: residual ozone, bromine and chlorine levels; pH; dissolved oxygen; ammonia, nitrate, and nitrite levels; hardness; salinity; coliforms.• Assists in the mixing of artificial seawater.• Maintains water circulations and water filtration system operations and water quality testing for water features in other exhibit complexes.• Maintains water chemistry and water quality tracking documents and records.

	<p>Successful candidate must be able to fully participate in the Zoo's Occupational Health program. This position works 7:00 - 4:00, 8 hours per day on a rotating 7-10 day schedule including weekends and holidays. Also involves indoor and outdoor work.</p>
<p>Essential Functions</p>	<p>Primary Purpose of this Position:</p> <p>The primary purpose of this position is to manage, operate and maintain the filtration, ozonation and chemical treatment equipment and systems for the pools in numerous animal exhibits. These include 146,000 gallon and 10,000 gallon outdoor polar bear exhibit pools, 75,000 gallon and 20,000 gallon outdoor pinniped pools, 44,000 gallon seabird pool in the Rocky Coast exhibit complex, 2,000 - 25,000 gallon fish aquariums, and 6000 gallon outdoor otter exhibit pool in the Streamside exhibit complex. Also included are the 37,000 gallon outdoor Grizzly Bear exhibit pool, 4,000 gallon outdoor Black Bear exhibit pool and 2,000 gallon outdoor Red Wolf exhibit pool. Water quality standards in several of these exhibits are subject to USDA/APHIS Animal Welfare Act and Marine Mammal Protection Act requirements, as well as other federal and state laws, rule and regulations that apply. Position reports directly to the Aquatic Systems Technician.</p>
<p>Other Duties and Responsibilities</p>	
<p>Knowledge, Skills and Abilities</p>	<p>KNOWLEDGE, SKILLS AND ABILITIES / COMPETENCIES:</p> <p>**To receive credit for your work history and credentials, you must list the information on the application form. Any information omitted from the application form, listed under the text resume section, or on an attachment will not be considered for qualifying credit. **</p> <p>Must have working experience of the principles, concepts and reference sources used in the application of water chemistry analysis, including the use of industry standard water quality analysis equipment.</p> <p>Proven working experience in the maintenance of and troubleshooting problems for aquatic systems and associated pumps, filters, ozone generators, automated dosing systems and/or monitoring equipment.</p> <p>Ability to resolve water quality problems and issues in a timely manner without compromising water quality standards</p> <p>Computer skills with Microsoft Office or related software in order to professionally document water quality records, compose written documentation as well as work in a variety of databases.</p> <p>Ability to lift and move 50 lbs. without assistance; Must be able to walk, bend, stoop, work in confined spaces, have good visual sight, walk over uneven terrain, and work in varying weather conditions. Must be able to obtain and maintain a NC Driver's License.</p> <p>Must be able to work alone without supervision.</p> <p>Prefer current SCUBA diving certification, AALSO Certification, and Certified Pool Operator Certification.</p>

Education & Experienced Required	MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:
	High school or General Educational Development diploma and two years of progressive experience in the assigned trades areas; or an equivalent combination of education and experience. Necessary Special Qualification: May require current certification by the Environmental Protection Agency as a Type I, II, III or Universal technician as required by Title 40, Code of Federal Regulations Part 82, Subpart F.
Licenses and Certifications Required	Must be able to obtain and maintain a NC Driver's License.
Physical Requirements	Ability to lift and move 50 lbs. without assistance; Must be able to walk, bend, stoop, work in confined spaces, have good visual sight
Working Conditions	Involves indoor and outdoor work.
Salary	SALARY RANGE: \$33,001.00 - \$50,881.00 Annually RECRUITMENT RANGE: \$33,001 - \$36,578 SALARY GRADE / SALARY GRADE EQUIVALENT: 65
Respond To	APPLICATIONS MAY BE FILED ONLINE AT: http://www.oshr.nc.gov/jobs/index.html NOTE: Apply to the department listed on posting An Equal Opportunity Employer, NC State Government Position #16-12356 ZOO60033466 LSS OPERATOR EM
Closing date	02/06/2017