

Position	Aquatics - Life Support Systems Operator JOB CLASS TITLE: Maintenance/Construction Technician III POSITION NUMBER: 60033466 DEPARTMENT: Dept of Natural and Cultural Resources DIVISION/SECTION: North Carolina Zoo
Facility	North Carolina Zoo
Location	Asheboro, North Carolina
Job Summary	<p>Department Information: The Department of Natural and Cultural Resources (DNCR) vision is to be the leader in using the state's natural and cultural resources to build the social, cultural, educational and economic future of North Carolina. Our mission is to improve quality of life by creating opportunities to experience excellence in the arts, history, libraries and nature throughout North Carolina. The Department works to stimulate learning, inspire creativity, preserve the state's history, conserve the state's natural heritage, encourage recreation and cultural tourism, and promote economic development. Our goal is to promote equity and inclusion among our employees and our programming to reflect and celebrate our state's diverse population, culture, and history by expanding engagement with diverse individuals and communities. We encourage you to apply to become a part of our team. Primary Purpose of the Organizational Unit: The North Carolina Zoo exists for the enjoyment, education, and inspiration of all of North Carolina's citizens and visitors to the zoo. The mission of the zoo is to encourage the understanding of and commitment to the conservation of the world's wildlife and wild places through the recognition of the interdependence of people and nature. The Zoo displays, conserves and protects representative examples of natural beauty, plant and animal species and ecological features of the North American and African regions of the world through the presentation of live animal exhibits from these regions.</p>
Essential Functions	<p>Job Requirements: *****Job offer is contingent upon passing a pre-employment screen conducted by assigned provider. · Must be able to regularly work weekends, holidays, and after normal work shifts. Employee is considered "essential staff" and required to work on adverse weather days and during Zoo emergencies. · Required to have a valid North Carolina driver license or obtain one upon employment. · Required to participate in the North Carolina Zoo's occupational health program, receiving vaccinations and regular health screenings. · Must be able 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, work in varying weather conditions and challenging physical environments. · Must have computer skills with Microsoft Office to professionally document water quality records, compose written documentation as well as work in a variety of databases. · Must be able to resolve water quality problems and issues in a timely manner without compromising water quality standards. · Must be able to work alone without supervision. · Position is considered "Essential/Mandatory Staff" and required to work on adverse weather days and during zoo emergencies.</p>

Other Duties and Responsibilities	<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.
Knowledge, Skills and Abilities	<p>KNOWLEDGE, SKILLS AND ABILITIES / COMPETENCIES: **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. ** Must have considerable 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. 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. ***Management prefers current SCUBA diving certification, AALSO Certification, and Certified Pool Operator Certification.</p>
Education & Experienced Required	<p>MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS: High school or General Educational Development (GED) diploma and two (2) years of progressive experience in the assigned trade 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.</p>
Licenses and Certifications Required	<p>Required to have a valid North Carolina driver license or obtain one upon employment. Within 30 days.</p>
Physical Requirements	<p>Must be able 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, work in varying weather conditions and challenging physical environments.</p>
Working Conditions	<p>Indoor/outdoor year round.</p>
Salary	<p>SALARY RANGE: \$33,960.00 - \$57,493.00 Annually RECRUITMENT RANGE: \$33,960 - \$41,323</p>
Respond To	<p>Copy and paste link below or go to oshr.nc.gov and follow instructions on application.</p> <p>https://www.governmentjobs.com/careers/northcarolina?keywords=Aquatics%20-%20Life%20Support%20Systems%20Operator</p>

Closing date

09/15/2020

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