

AQUATIC SYSTEMS TECHNICIAN

CLASS CONCEPT

This is a supervisory and technical work at the North Carolina Zoo responsible for the routine and standardized testing of both fresh and salt-water exhibits. Water quality of these exhibits must meet MMA (Marine Mammals Act) APHIS/REAC (Animal and Plant Health Inspection Service/Regulatory Enforcement and Animal Care) standards as well as all other state and federal laws, rules and regulations that apply. Employee supervises, plans, directs, reviews and evaluates the work of subordinates; provides on-the-job training; counsels and administers limited discipline to employees; and develops and implements minor adjustments to methods, procedures, schedules, assignments and testing priorities. In addition, the employee fills in for subordinates in performing or checking the more complex, controversial and/or advanced work of their section; and functions as the technical expert for their specialty area. Employee applies a technical knowledge of chemistry principles, testing procedures and methods and techniques to conduct qualitative and quantitative chemical analyses of exhibit water. Employee will also perform maintenance on sand filters, life support pumps, ozone generators, compressors, air handling units, pH controllers, chlorine analyzers and related laboratory testing equipment. The consequence of error in this area of responsibility could result in the death or endangerment of valuable animals and a financial loss to the State. The employee receives minimal supervision from the General Curator.

RECRUITMENT STANDARDS

Knowledge, Skills and Abilities:

Through knowledge of the basic principles, concepts and reference sources used in the application of chemical analysis.

- Ability to perform and record moderately complex standardized tests for water quality.
- Ability to provide supervision and instruction to direct reports.
- Ability to understand and follow moderately complex objectives and instructions.
- Ability to perform maintenance and troubleshoot problems on aquatic systems and associated pumps, filters, generators and other equipment related to the area of responsibility.
- Ability to resolve problems and/or issues without compromising quality standards.

Minimum Training and Experience Requirements:

Graduation from a two-year technical community college with a major in chemical technology, environmental science technology; or related curriculum and two years of related experience in water chemistry and/or aquatic systems maintenance or related experience; or completion of at least two years of college with at least 20 semester hours of chemistry coursework, and two years of related experience in water chemistry and/or aquatic systems maintenance or related experience; or graduation from a four-year college or university with a major in chemistry or microbiology may substitute for the required education and experience; or an equivalent combination of training and directly related experience.

All degrees must be received from appropriately accredited institutions.

Special Note

This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA. Examples of work are primarily essential functions of the majority of positions, but may not be applicable to all positions.

Necessary Special Requirements

Must have ability to obtain a diver certification from a member of the Recreational SCUBA Training Council or equivalent recognized certification agency within three months from the date of employment. Must have a valid North Carolina Driver's License.