

## POSITION DESCRIPTION

**POSITION TITLE:** Life Support Systems Technician

**CREATED:** February 2024

**SUPERVISOR'S TITLE:** Maintenance Supervisor

**FLSA Status:** Nonexempt

### PURPOSE

The Life Support Systems Technician serves in the zoo's Maintenance Department. This position is responsible for general and preventative life support system maintenance needs for the zoo, as well as other plumbing projects as needed. Additional duties may include understanding and testing water quality parameters as it pertains to life support systems. This position also contributes to positive guest experiences and performs other duties as required.

### ESSENTIAL FUNCTIONS AND RESPONSIBILITIES

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

#### **ESSENTIAL FUNCTIONS**

- » Completes general and preventative maintenance tasks as assigned.
- » Performs necessary maintenance tasks for life support systems as needed.
- » Participates in the design of new and modified life support systems.
- » Performs inspections of all life support equipment for preventative maintenance, routine upkeep, and repair of all facility life support system components.
- » Helps to rebuild pumps, bearing motors, and impeller assemblies.
- » Performs plumbing installation and repair on life support systems.
- » Assists with filtration operation including back washing, media replacement, ozone adjustment, compressor servicing, and adjustments.
- » Helps coordinate or self-performs preventative maintenance work on all components of ozone systems, including ozone generators, ambient ozone analyzers and compressors, alarm systems, and pumps.
- » Oversees and coordinates all major life support repairs made by outside contractors.
- » Works with the Environmental Quality Technician to troubleshoot water quality issues.
- » Records all changes, treatments, or repairs performed.
- » Maintains thorough knowledge of essential equipment, software, and hardware used; adheres to Standard Operating Procedures.
- » Ensures compliance to all state and federal regulations, zoo policies, industry standards, and department procedures.
- » Maintains the highest level of cleanliness in public and behind the scenes areas, including buildings, pathways, storage areas, and warehouses/garages.
- » Performs basic office administrative duties such as filing, answering phone calls, and assisting the public.
- » Reports status of assigned projects to the Maintenance Supervisor.
- » Supports the zoo's commitment to continued growth of diversity, equity, access, inclusion, and belonging for zoo team members, volunteers, guests, and supporters.
- » Assists with special projects and helps other zoo employees as needed.
- » Actively contributes to positive guest experiences.

### EDUCATION AND/OR EXPERIENCE

To perform this job successfully, an individual must have the following education and/or experience.

- » High school diploma or GED is required.
- » Valid driver's license is required.

- » Aquatic Animal Life Support Operator (AALSO), Certified Pool Operator (CPO) and/or Aquatic Facility Operator (AFO) certification is required within one year of hire. Certification must be maintained throughout employment.
- » Three years of life support maintenance, electrical and plumbing experience is preferred.
- » Previous experience with ozone generation, safety, and handling is preferred.

## **KNOWLEDGE, SKILLS, AND ABILITIES**

The requirements listed below are representative of the knowledge, skills, and/or abilities required to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- » Ability to manage the operations of all life support systems at the zoo.
- » Ability to operate heavy machinery/equipment such as forklift, skid steer, etc.
- » Ability to perform standard and preventative maintenance on all life support equipment.
- » Ability to understand water chemistry reports and their relationship to life support systems.
- » Ability to perform water chemistries pool-side and in a laboratory setting with appropriate accuracy and safety.
- » Ability to prepare work plans using blue prints, sketches, schematics, and digital models.
- » Understanding of plumbing mechanics and small motor repairs.
- » Ability to read and communicate user manuals, plans, shop drawings, specifications, digital models, and written and verbal instructions.
- » Ability to professionally and effectively communicate with others through written correspondence.
- » Ability to troubleshoot, analyze situations, and make sound business decisions.
- » Knowledge of Microsoft Office software and ability to learn new software systems.
- » Ability to work a highly flexible schedule; weekend, evening, holiday, and irregular hours will be required.
- » Ability to handle confidential information.
- » Ability to understand and follow all safety regulations.
- » Ability to handle multiple tasks simultaneously.
- » Ability to arrive to work on time and maintain a positive attendance record.
- » Ability to serve in every respect and at all times as a goodwill ambassador for the Fort Wayne Zoological Society and the Fort Wayne Children's Zoo in contacts with zoo visitors and the general public.
- » Ability to deal tactfully and politely with guest questions and misbehavior.
- » Excellent communication skills to establish and maintain effective working relationships with staff, volunteers, partners, and/or the public.

## **PHYSICAL DEMANDS**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- » Ability to safely wear and use safety equipment (i.e. respiratory equipment).
- » Ability to properly operate equipment such as general maintenance tools (Including but not limited to drills, screw drivers, hammers, saws, levels, and wrenches), high reaches, fork lifts, skid steers (Bobcat), and other small engine equipment.
- » Ability to professionally and appropriately interact and communicate with others, both in person and through phone, email, and written correspondence.
- » Ability to regularly travel to assigned areas several times per day and efficiently enter all assigned areas.
- » Ability to negotiate a confined workspace while working with one or more coworkers.
- » Ability to work with chemicals including acids, chlorine and ozone.
- » Ability to read reports, receipts, and other statements.
- » Ability to evaluate color changes as it applies to water tests or digital analysis screens.
- » Ability to properly lift and carry items up to 50 pounds.
- » Ability to stand and sit for periods of time and to move intermittently throughout the workday.
- » Good speaking and listening skills.
- » Ability to perform focused work with close attention to detail.

- ▶▶ Ability to work both indoors and outdoors, with exposure to extreme temperatures and inclement weather conditions; the environment may include wet, icy, or muddy conditions.
- ▶▶ This position may include exposure to hazardous materials, fumes/odors, dirt, and dust.
- ▶▶ This position may include exposure to potentially dangerous or venomous animals.
- ▶▶ This position may include exposure to zoonotic diseases.
- ▶▶ This position may include exposure to noxious native plants.
- ▶▶ This position may include exposure to native biting insects and arthropods.