

## Water Quality Technician

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Company: Miral Experiences

Location: Abu Dhabi

Category: healthcare-practitioners-and-technical

### Job Description

#### GENERAL SCOPE:

Performs routine inspections and maintenance services such as water tests and analysis, preventive and corrective maintenance in a related field

Records accurate data of activities by completing the ALSS checklists and other documents

Assists in the troubleshooting and repairs of the ALSS equipment and facilities

Operates the Life Support System in accordance to the ALSS SOP and manual

Maintains the cleanliness and organization of all chemical drums, storage areas and workstations

Utilizes safe handling, usage, storage, and disposal practices for chemicals, toxic substances and hazardous waste in accordance with the Health, Safety and Environmental policies and ALSS SOPs

Maintains tools, parts, materials and equipment inventory; reports any missing and/or items for replenishments

Completes all required trainings; maintains professional development and competencies

Performs other duties as directed by the ALSS leadership team

#### **TECHNICAL SCOPE FOR PUMP MECHANIC:**

Assists on the inspections, diagnoses and major/minor repairs on all ALSS pumps, motors, hydraulic equipment, compressors, controls, valves and related equipment.

Assists on the various analyses and inspections of mechanical systems to determine the most cost-effective means of maintenance, repair or replacements

Ensures the continuous operation of all saltwater, freshwater and water treatment systems

#### **TECHNICAL SCOPE FOR FILTRATION MECHANIC:**

Assists in the troubleshooting and repairing critical animal life support equipment, filtration systems, valves, heat exchangers, pumps, motor, fractionators, ozone systems, UV sterilizers and seawater lines.

Performs routine maintenance on ALSS systems and equipment, including mechanical preventative maintenance, raw seawater line pigging and valve maintenance.

Assists in the draining, filling and isolation of all habitats, holding pools, decorative pools and waterfalls.

#### **To be considered for the role, you will need to have:**

High School Diploma or equivalent

2 years of experience or equivalent combination of education and experience in Aquatic Life Support Systems, Wastewater Treatment or Recreational Swimming Pool

setting

Basic English communication skills, written/verbal.

Basic knowledge in all basic mathematical applications

Working knowledge to all basic hand tools and measuring devices in a related field

Basic mechanical/technical troubleshooting skills

### **Pump Mechanic:**

Basic understanding on how to diagnose and repair a variety of pump problems, from primary issues and cavitation to excessive vibration.

Basic understanding on how to interpret pump curves.

Basic mechanical/technical knowledge in ALSS, Public Pools or Wastewater Treatment

Basic working knowledge of mechanics; motors, hydraulics, centrifugal and vertical pumps, compressors and liquid metering pumps

### **Filtration Mechanic:**

Basic understanding on how to interpret PID layout of systems and pipe installation

Basic understanding of mechanical, chemical, and biological filtration as it applies to animal life support systems

Basic working knowledge pertaining to the operation, troubleshooting of, maintenance and repairing various types of small pumps and related equipment

Basic working knowledge of automated controls, pneumatics, electro-mechanical devices

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