

Yousef Alfatih Yousef Alrabea

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Nationality: Sudanese | Iqama: Transferable | Saudi Driving License

Objective

Highly experienced Supervisor in BWRO, SWRO, and WTP Plants with over 8 years of expertise in water treatment and plant operations. Seeking to leverage extensive knowledge in manual and automated plant operations, water chemistry, mechanical troubleshooting, and commissioning to optimize operational efficiency and ensure water quality compliance.

Professional Experience

Plant Operational Supervisor | Environmental Engineering East

Ras Alkhair Industrial City | January 2024 - Present

- Managed operations and maintenance of a 15,000 m³/day SWRO Desalination Plant, operating manually.
- Played a key role in the Testing, Commissioning, and Start-up phases of the plant, ensuring seamless transition to full operations.
- Conducted manual monitoring of plant parameters, including flow rates, pressure, and chemical dosing.
- Developed and executed operational and maintenance plans to maximize plant efficiency and uptime.
- Provided technical training to operators on manual plant operation, troubleshooting, and safety protocols.
- Collaborated with the commissioning team to identify and resolve start-up issues, achieving smooth handover to operations.

Operation Supervisor | Rawafid Industrial Co.

Farasan Island | October 2020 - July 2023

- Supervised the operation and maintenance of an 8,500 m³/day SWRO Desalination Plant.
- Ensured compliance with safety regulations and conducted detailed inspections of mechanical and electrical equipment.
- Managed chemical dosing systems to optimize water treatment efficiency.
- Delivered comprehensive training programs for operators on safety, troubleshooting, and operational best practices.

- Performed performance analysis and adjusted plant parameters to enhance production quality and reduce costs.

Control Room Operator | Mowah Company Ltd

Al-Hunay Water Treatment Plant | December 2018 - October 2020

- Operated and maintained a primary groundwater treatment plant with a capacity of 380,000 m³/day.
- Supervised four pumping stations to ensure continuous water supply to distribution networks.
- Conducted manual and automated system checks, including pressure, flow, and chemical dosing systems.
- Optimized the performance of filtration and sedimentation processes, achieving improved water quality.
- Coordinated with maintenance teams to perform preventive and corrective maintenance on pumps and pipelines.
- Monitored water quality parameters to ensure compliance with municipal standards.
- Prepared daily reports on operational performance, including recommendations for system improvements.

Control Room Operator | Mowah Company Ltd

Al-Kharj | February 2016 - December 2018

- Operated and monitored a 54,000 m³/day water treatment plant using SCADA systems.
- Adjusted operational parameters to maintain water quality standards and optimize energy consumption.
- Participated in safety drills and ensured strict adherence to operational safety guidelines.
- Supported preventive maintenance activities, reducing equipment downtime.
- Contributed to system upgrades and provided input for process improvement initiatives.

Education

B.Sc. in Agricultural Engineering (Honors) | Alneelain University, Sudan | 2012

Relevant Training and Courses

- Agricultural Engineering | Alexandria University, Egypt | 2011
- Heavy Equipment Operations | Asalaya Sugar Factory, Sudan | 2010
- Field Training | Kenana Sugar Factory, Sudan

Key Skills

- Manual and Automated Plant Operations
- SCADA & PLC Systems
- Reverse Osmosis (RO) Technologies
- Testing, Commissioning, and Start-up
- Water Quality Control & Compliance
- Equipment Maintenance & Troubleshooting
- Preventive and Predictive Maintenance
- Chemical Dosing Systems
- Team Leadership & Staff Training
- Microsoft Office Suite

Languages

Arabic: Native | English: Professional Working Proficiency