

Khalid Al-Muzaini

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Professional Summary

Environmental engineer driving operational uplift across municipal waste management, landfill oversight, water-treatment performance optimization within highly regulated environments. Delivers process analytics, compliance enablement, risk-mitigation frameworks that strengthen environmental governance & elevate system reliability. Demonstrates strong reporting acumen, ecosystem assessment capabilities, actionable recommendations that accelerate sustainability targets. Provides value through end-to-end operational diagnostics & data-driven decision support. Positioned to reinforce institutional performance through disciplined execution & continuous-improvement methodologies.

Professional Experience

Environmental Engineer Intern – National Aquaculture Group (Naqua) | June 2023 – August 2023

- Engineered optimization proposals that enhanced waste-treatment workflows and stabilized operational throughput
- Produced technical reports with performance diagnostics and actionable improvement roadmaps
- Elevated treatment-unit efficiency through targeted operational recommendations
- Analyzed system performance to flag deviations, reduce consumption, and reinforce process integrity
- Oversaw daily operational monitoring to ensure alignment with technical specifications and environmental standards

Environmental Engineer Intern – Jeddah Municipality | June 2022 – August 2022

- Monitored landfill operations, documented performance observations, and delivered decision-support reports
- Conducted gap assessments to strengthen municipal waste-management processes
- Supported design of improvement tracks to enhance collection and transport efficiency
- Executed field audits on sanitation contracts to ensure compliance with regulatory mandates
- Increased operational-contract compliance through structured evaluation and corrective-action insights

Education

Bachelor of Environmental Engineering – Umm Al-Qura University | GPA: 3.14 / 4

Training Courses

- Fundamentals of ISO 14001 Environmental Management System | 2025 | 40 hours
- Internal Audit according to ISO 14001–45001–9001 Standards | 2025 | 15 hours
- Occupational Health and Safety according to US OSHA Standards | 2025 | 30 hours
- Environmental Management Systems in Projects | 2024

Skills

Soft Skills:

Effective Communication | Analytical Thinking | Detail Orientation | Self-Development | Priority Management | Critical Thinking

Practical Skills:

Waste Management | Landfill Monitoring | Wastewater Treatment | Operational Data Analysis | Technical Reporting | Compliance Assessment | Environmental Inspection | Process Optimization | Risk Management | Environmental Regulations | Quality Monitoring | Operational Systems Control

Technical Skills:

ISO 14001 | ISO 45001 | ISO 9001 | Water Treatment Technologies | Environmental Management Systems | Data-Analysis Tools | Operational Monitoring Software | Environmental Monitoring Tools | Process Safety | Health & Safety Management | Environmental Engineering Software | Technical Documentation | Microsoft Office (Outlook, Microsoft Word, PowerPoint, Excel, Microsoft Access)

Languages

- English | Arabic