
SHAIKH BILAL KHALID

Senior Environmental Specialist

Mobile: +966 0549981581

Email: shaikhb1993@gmail.com

Professional Summary

Highly motivated and adaptable environmental specialist with 2+ years of experience in delivering Environmental Impact Assessments (EIAs), Environmental Audits (EAs), and Environmental Management Plans (EMPs) for large-scale infrastructure, master planning, industrial and construction projects across the Kingdom. Proven expertise in coordinating multidisciplinary teams, ensuring regulatory compliance, and preparing technical reports aligned with national and international best practices.

Key Skills

- EIA Coordination & Delivery: Capability in conducting EIAs, environmental audits, and management plans for infrastructure, master planning, industrial and construction projects
- Regulatory Compliance: Proficient in supporting clients and ensuring their alignment with regulatory frameworks (e.g., NCEC)
- Technical Reporting: Skilled in collecting, analyzing, and presenting data to produce clear, concise, and well-written technical reports
- Project Management: Strong time management and prioritization skills to deliver quality output under pressure
- Interpersonal Communication: Effective skills to communicate complex environmental issues and solutions to stakeholders

Professional Experience

Senior Environmental Specialist

Green Fields Environmental Consultancy – Khobar, Saudi Arabia

(January 2023 to Present)

- Coordinated multidisciplinary teams to develop integrated environmental studies and plans for large-scale infrastructure and master planning projects, including Yanbu Biodiesel Plant, ROSHNs' SEDRA Phase 6, 7 & 8 Masterplan in Riyadh, Nesma & Partners Precast Facility in NEOM city, Arabian Centres Jawharat Al Khobar Shopping Mall in Al Khobar, Social Habilitation Campus for SSH in Al-Ula and many more
- Conducted Environmental Impact Assessments (EIAs) and provided environmental inputs for ensuring compliance with local and international regulations
- Performed Environmental Audits (EAs) on operational sites, ensuring adherence to national regulatory requirements as per NCEC
- Prepared technical reports and maintained environmental records, including waste tracking, air quality monitoring, and noise assessments, for clients such as Saudi Aramco, Red Sea Global, DOOSAN, Petronash Arabia Co. Ltd., ChampionX Arabia Ltd. etc.
- Coordinated with regulatory authorities (e.g., NCEC) to secure statutory approvals, ensuring seamless project delivery
- Developed Environmental Management Plans (EMPs) for projects such as Red Sea Global's Worker Facilities and Labor Camps in Umluj and Hanak City, ensuring alignment with NCEC regulations and best practices
- Conducted environmental monitoring of NO₂, SO₂, CO, O₃, PM₁₀, PM_{2.5}, and noise levels for industrial facilities, ensuring compliance with Environmental Permit to Operate (EPO) conditions

- Prepared closure and decommissioning plans for degraded sites, including the rehabilitation of a Batching Plant near RSG Airport, Umluj

Education

- LEED Green Associate - U.S. Green Building Council (2023 – 2025)
 - Gained knowledge in sustainable building practices and green building certification processes
- Graduate Aptitude Test for Engineers (GATE), Chemical Engineering (CH) qualified (2022)
 - Secured All India Ranking (AIR) of 751 and got admitted in IIT Bombay for direct PhD
- B. Tech (Petrochemical Engineering) - Aligarh Muslim University (AMU), India (2014 – 2018)
 - Graduated with a CPI of 8.3, ranked 4th in the Department of Petroleum Studies

Notable Projects

Environmental Impact Assessments

Environmental Impact Assessments (EIAs) as per National Centre for Environmental Compliance (NCEC) and International Finance Corporation (IFC) regulations and standards:

- Yanbu Biodiesel Plant: Prepared EIA Scoping report to assess potential environmental impacts and ensure compliance with local regulations
- ROSHNs SEDRA Phase 6, 7 & 8 Masterplan: Assisted in the preparation of EIA study for infrastructure and public realm development project in Riyadh
- New Fulfilment Centre for the General Authority of Civil Aviation (GACA): Prepared a Category 2 EIA report for 3d Consultants and GACA
- Connection of Water Treatment Facility - 3 to Newly Drilled Disposal Wells – Phase 1: Prepared a Category 2 EIA report for Al-Khafji Joint Operations (KJO) and Saudi Aramco
- Car Parking Building, Parcels 1.06 & 1.07 in King Abdullah Financial District (KAJD), Riyadh: Prepared a Category 2 as well as Category 3 EIA report for Isam Kabbani & Partners Co.
- Social Habilitation Campus in Al-Ula: Assisted in preparing an ESIA report as per IFC standards for the double story campus for SSH
- Zuluf AM Water Injection Development Project (BI-10-19433): Assisted in preparing Scoping and EIA report for a 68 km pipeline (16km onshore and 58 km offshore) project for Saudi Aramco

Environmental Inspection and Audits

Conducted and prepared Environmental Inspection and Audits studies for multiple facilities all around the Kingdom, including:

- Albilad Fire Fighting Systems Co. Ltd. in Dammam 2nd Industrial City
- Four facilities of Petronash Arabia Co. Ltd. in Dammam 2nd Industrial City
- Sawafi Borets facility for assembling prefabricated components in King Salman Energy Park (SPARK)
- Nesma & Partners newly constructed Precast Facility in NEOM city.
- Saudi Tabreed's Jabal Omar Development Cooling Station in Makkah city
- Midad Chemicals Company Limited in Dammam 3rd Industrial City
- Chemical Treatment Unit, Evaporation Ponds, and Storm water Ponds of Industrial Waste Management and Recycling Facility in Jubail for Manarah Shada Limited Company
- Waste Management facility of Lavajet Saudi Company outside of Dammam city
- Isolated Power Plant in Al Awaqila City for Olayan Energy
- Korea Electric Power Corporation (KEPCOs) newly constructed Cogeneration Plant in Jafurah
- Champion Arabia Co. Ltd. facility in Dammam 2nd Industrial City

Environmental Management Plans

Prepared EMPs as per NCEC and RSG regulations to acquire Environmental Permit to Construct and Operate for various projects including:

- Operation Maintenance and Engineering Building in Safaniyah for Saudi Aramco

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- Construction of Worker Facilities in Umluj for Red Sea Global Project
 - Labor Camp in Hanak City for Red Sea Global Project
 - Jabal Rai, Alsukhoor, and Southern Dunes Trailhead and Adventure Activity in Umluj for Red Sea Global Project
 - Labor Camp in Al Wajh for Saudi BinLaden Group
 - Temporary Modular Factory in Umluj for Coastal Contracting Company
 - Mechanic Workshop in NEOM for Nesma & Partners
 - Operational EMP for YOKOGAWA Saudi Arabia Company facility in Khobar
 - Operational EMP for Manarah Shada Limited Company's Industrial Waste Management and Recycling Facility in Jubail
 - OEMP for Sawafi Borets facility in King Salman Energy Park (SPARK)
 - EMP for Transport Services Company (Hazardous and Non-hazardous) in Jubail for RETAJ Al Bahrain Company

Environmental Monitoring

- Indoor Air Quality Monitoring: Conducted air quality monitoring for Petronash Arabia Ltd. in Dammam and Aldrees Petroleum & Transport Services Company in Riyadh
- Jafurah Cogeneration Plant: Monthly monitoring of air quality, particulate matter, and noise levels for KEPCO as per NCEC regulations and guidelines
- Environmental Monitoring (Indoor and Ambient) at Sawafi Borets facility in King Salman Energy Park (SPARK), Dammam 3rd Industrial City
- Ambient Air Quality Monitoring at Lavajet Saudi Company as per EPO conditions in Dammam

Software Skills

- ArcGIS:
 - Developed topographic and geological maps of Saudi Arabia, incorporating contour lines, 3D visualizations, and elevation analysis.
 - Produced landscape character maps and vegetation maps focusing on mangrove ecosystems.
 - Created marine, benthic, and intertidal habitat maps for the Jawharat Al Khobar and BI-10-19433 projects, utilizing bathymetric data, satellite imagery and habitat classification.
- iNoise: Utilized this open-source noise modeling software to predict construction-phase noise emissions for the Social Habilitation Campus Project in Al-Ula.
- dBmap.net: Applied this open-source noise modeling software to forecast construction-phase noise emissions for the SEDRA Phase 6, 7 & 8 Masterplan Project in Riyadh.
- MS Office Suite: Advanced proficiency in Word, Excel, and PowerPoint.

Behavioral Skills

- Strong Report-Writing Skills: Produced clear, concise, and technically accurate reports for diverse stakeholders.
- Effective Time Management: Delivered projects under tight deadlines while maintaining quality standards.
- Adaptability & Flexibility: Embraced new challenges and adapted to evolving project requirements and regulatory frameworks.
- Self-Motivation: Demonstrated enthusiasm for delivering sustainable outcomes and contributing to environmental conservation.