

Mohamed Hamdy Moahmed EL Tawil

Geologist

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Professional Summary

Geologist, 12 years of specialized experience in geotechnical investigations and environmental assessments. Proven expertise in conducting detailed geological analyses and leading field studies to ensure compliance with environmental regulations. Passionate about delivering innovative and sustainable solutions that enhance project outcomes while minimizing geological risks.

Education

- Al-Azhar University 2009
Bachelor of Science, Special Geology Department
Good
- Member of the Engineers Syndicate as a specialized geologist

Experience

- Laboratory Manager 2023 - Until Now
Wadi Fleij Laboratory Company
 - ☆Monitoring drilling rigs, their calibrations, and compliance with required specifications .
 - ☆Reviewing reports for engineering content, discussing them, and linking them to actual laboratory tests .
 - ☆Training staff in various areas within the laboratory.
- Geological Engineer 2022 - 2023
Wadi Fulaij Laboratories Company
 - ☆Preparing geotechnical and materials reports.
 - ☆Creating a database for the laboratory with clients and attracting other projects to the laboratory.
 - ☆Work has been done on Al-Shaya and Starbucks construction projects, projects at King Khalid Air Base, the Ministry of Defense in the Hafar Al-Batin Military City, emergency projects, and many other commercial and private projects.
- Materials, soil and gravel engineer 2022 - 2023
Saden Engineering, Geological and Hydrological Consulting Company
 - ☆Conducting all laboratory tests for aggregates, asphalt, and concrete.
 - ☆Conducting field visits to external sites.
 - ☆Detecting grains and deformations through visual inspection.
 - ☆Following up on technical and laboratory tests on soil samples.

- General Geological Engineer 2015 - 2021
The Ministry of Water (government projects in the Kingdom of Saudi Arabia)
 - ☆Monitoring water wells and drilling.
 - ☆Determining the quantities pumped through stations and networks.
 - ☆Checking the suitability of wells and determining their salinity.
 - ☆Monitoring well maintenance and operation.

- Mining and silica geological engineer 2022 - 2023
Riyadh and Tayma regions
 - ☆Monitoring silica screening sieves and determining production levels.
 - ☆Supervising the extraction of raw materials from quarries and monitoring the sorting of good ore from the Jordanian.
 - ☆Continuous field geological monitoring to determine the quality of the raw materials.
 - ☆Monitoring volumetric and chemical analysis and drilling reports.

- General Geological Engineer 2011 - 2014
The Nile Engineering Consulting Office for Concrete and Soil
 - ☆Conducting all laboratory tests for soil, asphalt, and concrete materials.
 - ☆Conducting field visits to external sites.
 - ☆Detecting defects and distortions through visual inspection.
 - ☆Preparing comprehensive reports on probes and materials, as well as monitoring the drilling team.

- Geochemical Engineer 2009 - 2011
Qarun Petroleum Company, affiliated with Falco Water and Petroleum Services Company
 - ☆Analysis of crude oil, gas, and water samples according to API codes.
 - ☆Monitoring oil flow lines and central reservoirs.
 - ☆Physical monitoring of wells.
 - ☆Field monitoring of oil fields.
 - ☆Biological analysis of oil deposits in central pipelines.

Skills

- Holding laboratory development meetings and monitoring challenges.
- Monitoring quality project and internal laboratory audits .
- Following up on clients and attracting other projects and bids.
- Monitoring the laboratory's administrative structure .
- Monitoring contractors and consultants .
- Monitoring equipment calibrations and laboratory PT tests .
- Preparing complete reports on probes and materials, as well as monitoring the drilling team's signatures on Google Maps and verifying survey declarations and deeds.
- Working on the Geosystems program to produce geological sections of layers.
- Identifying strategic locations for drilling and exploration wells.
- Monitoring dams and their water quantities.
- Monitoring monitoring wells and determining their levels.
- Signing drilling points on Google Maps and verifying survey declarations and deeds.

- Following up on technical and laboratory tests on soil samples.
- Working on the Geosystem program to produce geological sections of the layers.

Personal Details

- Driving Licence : Saudi driving license valid until 2025.

Courses

- ISO 17025-2017 Certified as an Internal Auditor for Laboratories for the year 2025 .
- ICDL Certificate 2010
- English course 2009
- Occupation/GENERAL GEOLOGY course 2020 .
- Mud Engineering course 2017 .
- GIS. Program
- Geo system program .
- Safety course
- Nuclear facility manager course.

Languages

- Arabic (Mother Tongue).
- English (Good).