



Chemist: Kamel Diab

- **Water Quality Manager** in Madinah-Region branches for Potable Water and Wastewater ES. in Emar Gate Company KSA. SUB-Contract for **NWC, National Water Company; KSA.**
- **DPA Professional Doctorate in Business Administration Student; (Studying from 10.2022).**
- **ISO/IEC 17025 – 2017 Certified, ESQE-NQI-IP-IAF.**

CURRENT JOB:

- 2024 • **Water Quality manager** in Madinah-Region branches for Potable Water and Wastewater ES. IN Emar Gate Company KSA. SUB-Contract for NWC, National Water Company.
- 2022 • **DPA Professional Doctorate in Business Administration Student - Entrepreneurship and Business University EBU; (Studying from 10.2022).**
- 2022 • **Process Manager:** in Madinah Sewage Treatment Plant; STP Madinah K.S.A. 350,000 m³/d.
- 2020 • **ISO/IEC 17025 – 2015 Certified, ESQE-NQI-IAF. (Studying from 10.2023)**
- **Laboratory Manager** in Madinah-Region central Environmental Services lab. Under supervision of National Water Company **NWC.**
- **Quality Control Lab. Supervisor** in Madinah Sewage Treatment Plant; STP Madinah K.S.A. 350,000 m³/d.
- **Chemical Analyst** using **icp ms & ic** Instruments.

KEY RESPONSIBILITIES:

Water Quality manager; Participating with Team to:

- SET a work plan to Consult all Madinah region 7 Environmental Services Plants to confirm Treated Sewage Effluent TSE water quality with Saudi Water System & Executive Regulations (MEWA 2021) and National Centre for Environmental Compliance NCEC 1441.
- Supervise the implementation and validation of the methodology implemented in the ES laboratory.
- Supervises the activities of the instrument Maintenance procedures and schedules.
- Responsible for the development of preventive and routine maintenance schedules for instrumentation and control equipment.
- 2019 • Build STP lab results DATA BASE for Statistical Quality Control SQC, Statistical Process Control SPC and Process Capability pc.
- Providing group leadership, scientific expertise, technical guidance, and training
- Training and talent assessment of all personnel working on the ES analysis laboratory.
- Submit reports on agreed frequency regarding the performance.
- Monitor implementation of the approved analysis technique of the laboratory technicians.
- Implement safety plan on instruments.
- Implement the implementation of rules and guidelines of ISO 17025.
- Upgrade lab-processing system to improve lab. Protocol, lab. Repots as QC rep., Process rep., Flocculation Coagulation (Jar Test) rep. for Sludge treatment & Disposal.
- Improving lab. Activities for surveying all Madinah-region STP branches to control and improve their lab-processing system and Treated water Quality according to relative Saudi Regulations.

2019 EXPERIENCES:

Process Manager:

oversees the development, optimization, and management of chemical processes within a manufacturing or research setting. This role combines the technical expertise of a chemist with the leadership and organizational skills of a manager and enhancing the overall efficiency of chemical production.

Key responsibilities typically include:

Mobile:

+966 50 031 63 41

E-mail:

Drkameldiabeg@gmail.com

SKILLS & INTERESTS:

- * Good communication skills.
- * Good problem solving.
- * able to work with different cultures and under hard conditions.
- * Active, friendly, quick learner, team worker, and work for continuous improvement.
- * Like reading scientific subjects, websites about chemistry and related science, and sports.

LANGUAGES & I.T. SKILLS:

- Good in M.S. Office
- Good command of English (spoken and written).

PERSONAL DATA:

FULL NAME:

KAMEL RAMADAN KHALIL AHMED DIAB.

BIRTH:

3rd September 1984, IN: Ayat- Giza- Egypt.

NATIONALITY:

EGYPT

RESIDENCE:

ALMADINA ALMONWARAH; KINGDOM OF SUADI ARABIA.

Social state:

Married, One child

Marital status:

Finished.

Driving license:

Yes.

Process Development: Designing and optimizing chemical processes to ensure efficiency, safety, and cost-effectiveness.

Team Management: Leading a team of chemists and technicians, providing guidance, and ensuring that projects are completed on time.

Quality Control: Implementing and maintaining quality control measures to ensure that products meet required standards.

Troubleshooting: Identifying and solving problems that arise during the production process.

Regulatory Compliance: Ensuring that all processes comply with relevant regulations and standards

- Ion Chromatography IC analyst.
- Wastewater Treatment Chemist (Operation & QC Laboratory) in SEWAGE TREATMENT PLANT STP; IN HAIL K.S.A.
- QC CHEMIST IN CHEMICAL DEPARTMENT IN CONSULTING team for new plants in AL-NASR COMPANY FOR INTERMEDIATE CHEMICALS -NCIC-EGYPT, FAYOUM BRANCH.
- Shift Manager Chemist for QC & QA laboratory in the central quality control laboratories in AL-NASR COMPANY FOR INTERMEDIATE CHEMICALS -NCIC-EGYPT, FAYOUM BRANCH.
- Laboratory Chemist for QC & QA laboratory in the central quality control laboratories in AL-NASR COMPANY FOR INTERMEDIATE CHEMICALS -NCIC-EGYPT, FAYOUM BRANCH.
- Production (Process) chemist in same company, 1st February 2007 till 1st August 2007 .
- -Water Treatment chemist in same company, REVERSE OSMOSIS and Demineralized Water plant.
- Biochemical analyst in the diagnostic laboratory in Abu Bakr Al Sedeek specialist hospital – FAYOUM-EGYPT, 1st March 2006 till 31st January 2007.
- Medical representative (part-time) in AGLAN Company for medicine distribution and trading; AGLAN PHARMA-Egypt .
- -Waste Water Treatment Chemist (Operation & QC Laboratory) in SEWAGE TREATMENT PLANT STP; IN BENI-SWAIFM EGYPT.

RESPONSIBILITIES AND DUTIES DURING CURRENT JOB:

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|------|--|
| 2020 | 1. CONTROLLING Process Stages and Analyzing samples of raw, Intermediate process stages, treated wastewater, sludge, and other byproducts of wastewater treatment process to determine efficiency of plant processes and to ensure that plant effluent meets water pollution control standards (Saudi Regulation for Treated Wastewater and Its Reuse System) , using standard laboratory equipment: Conducts tests for |
| 2018 | settleable solids, suspended solids TSS, total solids TS, volatile solids VS, volatile acids, alkalinity, pH, dissolved oxygen; COD & BOD demand, turbidity, and other measurements. |
| | 2. Initiate changes in laboratory procedures and equipment to increase laboratory efficiency. |
| | 3. Direct laboratory personnel in prescribed laboratory techniques and performance of routine tests. |

RESPONSIBILITIES AND DUTIES DURING PREVIOUS JOB:

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|------|--|
| | • Shift Manager Chemist for QC & QA laboratory in the central quality control laboratories in AL-NASR COMPANY FOR INTERMEDIATE CHEMICALS -NCIC-EGYPT, FAYOUM BRANCH. SINCE 1st August 2007. |
| 2018 | • Inspection and analysis of all incoming raw material packages, final products, all production stages, filtrates, precipitates, effluents, and wastes of the branch plants to adjust their chemical and physical properties according to relative standards using <i>Titration, Atomic Absorption Spectrometry (AAS)</i> and <i>Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES)</i> analysis for; |
| 2007 | 1. ALUMINIUM SULFATE PLANTS Al ₂ (SO ₄) ₃ , (A&B), 450 X2 TON/DAY. |
| | 2. SULFURIC ACID PLANT (H ₂ SO ₄), 510 TON /DAY. |
| | 3. SINGLE SUPER PHOSPHATE S.S.P. and TRIPLE SUPER PHOSPHATE FERTILIZER PLANT. (Ca (H ₂ PO ₄) ₂), 450 TON/DAY (started march 2008). |
| | 4. POTASSIUM SULPHATE PLANT (K ₂ SO ₄), 450 TON/DAY+360 TON/DAY 30% M/V HYDROCHLORIC ACID –HCL-. |
| | 5. DI AMMONIUM PHOSPHATE (DAP) plant (started February 2011). |
| | 6. COMBINED FERTILIZERS –N-P-K- PLANT, (started February 2011). |
| | 7. PHOSPHORIC ACID PLANT, (started August 2011). |
| | 8. Industrial water purification plants REVERSE OSMOSIS R.O. and ION EXCHANGE DEMINERALIZATION (DEMI-WATER UNITS) |

9. ENVIRONMENTAL ANALYSIS of all gaseous and liquid wastes and effluents of all plants of the branch using manual methods ,STACK test ,ORSAT or instrumental methods like gas combustion instruments (IMR 2800P) for COX, NOX, SOX, CH4, NH3, and isokinetic gas sampling systems (DADO lap HP5).
10. Waste Management supervision to control and manage industrial waste from our plants including side products, ppts, effluents and drainages. For optimum control (economic cost and environmental hazards).

ACHIEVMENTS DURING WORK:

- 2018
- I have a good role with my colleagues in starting up, classifying, and ordering the Standard Operation Procedures S.O.P. of analysis for all branch plants during their start up stages.
 - Meeting the team of experts for quality control and quality assurance coming from *Desmet ballestra-Italy* for our branch plants to increase our skills.
- 2007
- Improving our relations and communication with the experts' team even after they had departed to improve our work.
 - Participating in writing the final reports of compliment of our agreements to accept the guarantee of these plants.
 - Receiving, training, and testing new lab, Chemists to our lab, complete responsibilities of them.
 - Seeking for new, more accurate, faster, and low coasting S.O.P. for our lab.

RESEARCH AND DEVELOPMENT - R & D - DUTIES:

- 2018
- Participating in chemical R & D for commercial and environmental aims in all plants by:
 - Optimization of reaction rate by optimizing reaction time, reactants concentrations, grain size, and filtration conditions.
 - Increasing efficiency of cake washing to increase production yield by using same ratios of reactants.
- 2007
- Recycling of all possible sewages and drains to obtain higher yields of products.

COLLEGE GRADUATION RESEARSH:

- 2005
- A brief bibliography on polymer orientation.

INDUSTERIAL UNIVERSITY TRAINING:

- ALEXADERIA PETROLEUM REFINING COMPANY (2005).
- 2005
- AL AMERIA PETROCHEMICAL INDUSTRIES COMPANY-Poly Vinyl Chloride – PVC-Plant (2005).
 - ABOU QUIR ERTILIZERS COMPANY (2005).
 - WATER PURIFICATION COMPANY BENI SWEEF branch.
 - COCA COLA-EGYPT COMPANY BENI SWEEF branch for cold drinks (2005).
 - SEWAGE PURIICATION COMPANY BENI SWEEF STATION (2005).

SCIENTIFIC QUALIFIATIONS:

- B.Sc. in Chemistry, Good grade, BENISWEEF branch CAIRO University 2005, EGYPT.

Thanks.