

Holds a B. Sc. in Chemistry and has over 28 years experience working as Chemist in water treatment.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 19/02/1969  
Gender : Male  
Marital Status : Married  
Residence : Currently Oman

## **EDUCATION**

: B. Sc. in Chemistry, Tanta University, 1993

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Boiler Water treatment in EEA Training Center.  
: NEM (Holland) courses for HRSG and its chemistry.  
: CIMIMONTUBI (Italy) courses in water treatment.  
: Fisher-Rosemount training in sampling system and online analyzer.  
: Cambridge English Courses in EEA Training Center.  
: Fire fighting practical training in Suez Petroleum Company.  
: First aid training in EDF Operation Company.  
: Internal QMS & OHSAS and EMS auditors training courses.  
: Mechanical vapor compression (MVC) desalination training by Aquatech International.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From May 2008 till now  
**Employer** : Occidental Oman Oil and Gas Company (OXY)

- Job Description** :
- Oxy Mukhaizna Central Lab (Shift Charge Senior Chemist):
    - Responsible for review, calculate and distribution of results, Ensure availability of required SOPs.
    - Handling Special requested samples solids and liquids using the following instruments:
      - ❖ ICP Model: PerkinElmer OPTIMA 8300.
      - ❖ XRD/XRF: x-ray diffraction for solid samples using X-powder 12 software.
      - ❖ IC thermo scientific ICS-5000.
      - ❖ Seal analyzer for measuring silica and iron.
      - ❖ TOC analyser for TC-TN analysis.
  - QA/QC Specialist:
    - Enhance lab activities as well as to successfully achieving the goals and to run all labs smoothly, efficiently and safely.
    - Developed database for instruments spare parts, lab inventory and chemicals.
  - MVC (Mechanical Vapor Compression) desalination plants (7 trains) to produce 50,000m<sup>3</sup>/day desalinated water (MVC Process Chemist):
    - Responsible for chemistry of falling film evaporators and make all necessary analysis for both types of operation seeded and unseeded modes.
    - Also Warm Lime softening (WLS) Process Chemist to optimize the clarifier chemicals dosing rates to get the best results for softening.
    - Overall performance is managed using key performance indicators (KPI).
    - Provide technical consultancy and assurance for production chemistry delivery.
    - Optimizing overall chemical treatment effectiveness to achieve and maintain process facilities efficiency.
    - Contributing the development or improvements of plant operation.
    - Overcoming inter PSCs chemical incompatibility issue.
    - Overcoming production contaminant from upstream facilities operated by other PSC.
    - More stringent environmental statutory requirement being imposed.

**Dates** : From Feb. 2003 till May 2008

**Project** : EDF Suez Gulf Power Station (2x361MW) BOOT Project in Ain El-Sokhna (commissioning, start-up & operation)

**Job title** : Water Treatment Plant Process Chemist

- Job Description** :
- Responsible for operation of the following:
    - Two desalination plants of MED type and perform acid cleaning for these units using sulfamic acid and EDTA in different techniques.
    - Demineralization plant with capacity 50 m<sup>3</sup>/h for two streams.
    - Electro-chlorination plant to produce sodium hypochlorite from seawater to disinfect the condenser cooling water, perform monthly acid cleaning for the electrolyzers.
    - Boilers Water treatment (conditioning and passivation).
    - Industrial wastewater treatments.
    - Sampling system and operation of online analyzers (calibration, preparation of chemical reagents and standard solutions for all on line

analyzers e.g. silica & hydrazine & sodium & oxygen & PH & conductivity and chloride).

- Boiler chemical cleaning.
- Deal with several types of pumps (centrifugal – submergible – reciprocating).
- Training Courses & Workshop on Environment management system (EMS) for ISO14001 and make environmental analysis for all systems.
- Laboratory testing for internal, external water treatment and administer & organize the chemical laboratory (Chemistry Control) of the station. Also Practice and Knowledge of specialized laboratory equipments and techniques.
- Clean water sanitary plant.
- Environmental monitoring system for stack emission and air quality.

**Dates** : From Apr. 1994 till Feb. 2003  
**Project** : Damanhour Combined Cycle Power Station  
**Job title** : Shift Chemist  
**Job Description** :

- Management of the shift team.
- Operation of semi-water treatment plant (clarification, filtration).
- Operation of Demineralization plant.
- Operation of sampling and chemical conditioning system.
- Make all the analysis of pre-treatment and water-steam circuits.
- Follow boiler chemical cleaning and steam blow during commissioning.
- Follow laboratory techniques for water analysis.