

Holds a B. Sc. in Chemistry and has over 28 years hands-on experience working as Chemist at several projects.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 27/01/1969  
Gender : Male  
Marital Status : Married  
Residence : Qalubia

## **EDUCATION**

: B. Sc. in Chemistry, Zagazig University, 1992

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Bechtel overseas course in Shoubra El-Kheima Power Station.
- : Steam generators water treatment in Cairo North Training Center.
- : Chemists training in Shoubra El-Kheima Training Center.
- : Computer training (Word - Excel - Access - Power Point - Internet).
- : Dematerialized water plant.
- : Sodium hypochlorite production and injection.
- : Desalination plant operation (MED).
- : Electro chlorination by EMIT.
- : First aid training.
- : Fire fighting training.
- : Environment management and industrial auditing.
- : Auditor and lead auditor for ISO 9001, 14001 and OSHA.
- : AIC Mukhaizna water delivery phase 2 course.

: Corrosion management course in Ray training central, Muscat, Sultanate of Oman.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2008 till now  
**Employer** : Oxy (Occidental of Oman) oil production  
**Job title** : Sr. Chemicals Specialist  
**Job Description** :

- Identify and evaluating quality problems suggestion solution and recommending suitable corrective measures for water treatment plant (Lots: which contains Walnut shell filters, Warm lime softener clarifier, clear well tank, multi-media filters, and strong cation softeners), Mechanical vapor compressor desalination trains (MVC) in both seeded and non-seeded modes and RO plants.
- Administer & organize the MVC (Mechanical vapor compression) chemicals laboratory.
- Review the analysis process parameters of MVC distillate production units, Ion exchange softeners, RO plant, and steam generators feed water.
- Keep track of all parameters for performance analysis on regular basis.
- Identifying and evaluating quality problems suggestion solutions & recommending suitable corrective measures.
- Following up the chemicals cleaning for MVC trains.
- Train the lab techs and the trainees.
- Following up the chemicals delivery.
- Evaluate and calculate the chemicals dosing rate.
- Review daily feed water and soft water qualities.
- Determine the chemicals dosing rates for all water treatments plants.
- Follow up the steam generators feed water quality.

**Dates** : From Nov. 2001 till Oct. 2008  
**Employer** : EDF Egyptian Operating Company  
**Project** : Suez Gulf Power Project  
**Job title** : Chief Chemist  
**Job Description** :

- Administer and organize the chemical laboratory (Chemistry control) of the station.
- Review and analysis of the process parameters of desalination plant, demineralization (ion exchange mixed bed) plant, chlorination plant, and steam generator feed water treatment and other power plant systems and keep tracking all the parameters for performance analysis on regular basis.
- Identify and evaluating quality problems suggestion solution and recommending suitable corrective measures.
- Following up and responsible for operation of demineralization system which contains two mixed bed ion exchanger, preparing the chemicals for regeneration and performing it.
- Following up and responsible for operation of chlorination generator.
- Responsible for preparing the chemical injection tanks.
- Following up and responsible for operation of clean sanitary water

system.

- Preparation of technical reports as desired by the unit head of chemistry & environment for performance evaluation of the equipments/plants.
- Develop procedures for chemicals cleaning for sodium hypochlorite generators and desalination plant and perform it successfully.
- Responsible for water treatment and chemistry training.
- Responsible for laboratory and all the analysis of water and steam cycle and waste water.
- Preparing and sharing the staff for ISO 9001, 14001 and OSHA, certificates.
- Responsible for waste water treatment which contains oil removal system, neutralization system, and disposal system.
- Responsible for hazard waste classification and disposal as per ISO 14001.

**Dates** : From Dec. 2001 till Sep. 2002  
**Employer** : EDF Egyptian Engineering Company  
**Job title** : Chemical Start-up Operation Engineer  
**Job Description** :

- Responsible for preparation and coordination of water and waste water plant operation activities.
- Contributed to commissioning of the chlorination plant, steam generators chemicals injection systems, Desalination plant and demineralization plant.
- Was a member of a team which performing the steam generators chemicals cleaning, first firing, pipe flushing, hydro test, and steam blow for the pipes.
- Coordinating the function and performance tests for equipment in above systems.
- Participated in the start up client system walk downs and system punch list process.
- Transportation loading and unloading of all chemicals ensuring the safe handling.

**Dates** : From Jan. 1993 till Oct. 2001  
**Employer** : EEHC  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Shift Chemist  
**Job Description** :

- Responsible for the development of methods providing increased sensitivity and reliability for instrument.
- Witness and confirmed field tests to confirm guaranteed performance as required by technical specification.
- Sample analysis for trace concentration of data logging spectrophotometer, TOC, HPLC and AA instruments via troubleshooting, and calibration curve preparations and corrections.
- Responsible for operating of a portable flue gas analyzer.
- Responsible for operating of chlorination plant.
- Responsible for operating of raw water pre-treatment system (clarification and filtration).
- Responsible for operating of potable water system.

- Responsible for operating of demineralization system (three similar trains each one contains carbon filter, cation exchange, de-carbonator, anion exchanger, and mixed bed exchanger).
- Responsible for operating of condensate polishing system.
- Responsible for operating of waste water treatment system which contains, oil removal system, neutralization system, clarification and filtration system, pH adjustment system, and disposal system.
- Responsible for operating of sewage treatment plant.
- Responsible for preparing and introducing all water treatment system and chemistry training in Shoubra El-Kheima Power Plant Training Center.

Skills:

- Laboratory and Technical skills:
  - Samples preparation, wet, instrumental analysis and problems skills.
- Operation knowledge:
  - Practice and knowledge of specialized laboratory equipment and techniques.
  - Operate utilities units by PLC and DCS systems.
  - To follow the natural gas and heavy fuel oil analysis.
  - Operate all water treatment units.
  - Solve all water treatment plants operations issues.
  - Design the suitable water treatment plants based on feed water chemistry.