

Holds a B. Sc. in Chemistry and 3 Diplomas. Has about 17 years' experience, including 16 years working as Chemist in water treatment at several Power Stations.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 24/09/1984  
Gender : Male  
Marital Status : Married  
Residence : Dakhalia

## **EDUCATION**

- : B. Sc. in Chemistry, Tanta University, 2005
- : Diploma in physiology and biochemistry, Suez Canal University, 2006
- : Diploma in analytical chemistry, Zagazig University, 2015
- : Diploma in applied chemistry, Zagazig University, 2018

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

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

## **TRAINING COURSES AND CERTIFICATIONS**

- : ICDL (International Computer Driving License) certificate.
- : Microsoft Windows (All Versions).
- : Six Sigma Awareness Training.
- : The Operation & Routine Protective Maintenance for CEMS Shelters installed in the unit 1A & 1B by CTS for Chemical Services.
- : Training on Hydrogen H- Series Generator Utilize PROTON EXCHANGE MEMBRANE (PEM) in Banda Power Plant by Proton Company.
- : Water treatment in power station.
- : OSHA General and OSHA Construction.
- : First aid.
- : Job Hazard analysis.
- : Scaffolding safety.

- : Safe lifting and Rigging.
- : Personal protective equipment.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2007 till now
- Employer** : Middle Delta Electricity Production Co. (MDEPC)
- Projects** :
- Sidi Krir Power Station
  - El-Tebbin Power Station
  - Banha Power Station
- Job title** : Chemist Supervisor
- Job Description** :
- Banha Power Station (from Mar. 2013 till now):  
Work as commissioning and start-up from the owner for about 3 years then as Chemist Operator from 2015 till date, responsible for the following utilities:
    - HRSG, Boiler water treatment.
    - Reverse osmosis unit operation.
    - Demineralized water system,
    - Clarifiers water for purification.
    - Wastewater system.
    - Hydrochloride production system.
    - Sewer water treatment.
    - Laboratory equipment.
  - El-Tebbin Power Station (2011 – 2013):  
Work at Metito Company for construction and operation (contracted) in El-Tebbin Power Station steam unit (320x2=640MW). Responsible for doing all necessary processes needs for the operation of different utilities, make necessary laboratory tests for operation, follow up equipment's performance.
    - Boiler water treatment and specification analysis.
    - Demineralized system, commissioning, operation and regeneration.
    - Pre-treatment system commissioning and start-up.
    - Waste water treatment commissioning start-up.
    - Auditing lab chemical, equipment's and testing.
    - Polisher system commissioning and start-up.
  - Sidi Krir Power Station (2008 – 2011):  
Work at West Delta Electricity Production Company Sidi Krir Power Station steam unit (640MW) as Chemist Operator:
    - Reverse osmosis unit operation.
    - Sodium hypochloride production.
    - Polisher system operation.
    - Demineralized system operation, and regeneration.
    - Boiler water treatment.
    - Make necessary lab analysis.
- Duties details:
- HRSG SYSTEM:
    - Chemical control for Boiler specifications by injection of volatile chemicals as (hydrazine – ammonia – phosphate).
    - Make necessary lab analysis for boiler to meet ideal values.
    - Make necessary calibration for online equipment's as (PH – TURBIDITY – CONDUCTIVITY).

- Help Vendor in chemical cleaning, steam blow and passivation.
- REVERSE OSMOSIS SYSTEM:
  - Responsible for operation of small unit of (R.O) System on start-up of Banha project (30 m<sup>3</sup>) / hour, and training on large unit.
  - Make chemical cleaning for (R.O) membrane after period time of operation.
- PRE-TREATMENT SYSTEM:
 

Control of operation for water treatment system of raw water (River water) by the following steps:

  - Off-shore treatment by chlorination system.
  - Clarification of water by (ALUM & POLYMER) in clarifier system.
  - Finally, ultrafiltration system to remove very fine residual particles.
- DEMINERALIZATION PLANT:
  - Follow up operation of stream of different resin vessels (cation – anion organic – mixed bed) to produce demineralized water at the end.
  - Make necessary regeneration steps for every type of resin to achieve ideal Specification of water.
  - Make necessary analysis of water during operation and regeneration.
- HYPOCHLORITE SYSTEM:
  - Attend commissioning and start-up operation for Hypochlorite unit in SIDI KRIR Power Plant.
  - Follow up work operation and injection of (Naocl).
  - Make required chemical cleaning to clean scales of water inside the unit and this Happened by using diluted acid and alkaline.
  - Make analysis to ensure end of cleaning.
  - Follow up maintenance for the unit.
- POLISHER SYSTEM:
  - Control Room Operator to follow up the operation and maintenance of polisher system which it is part of the steam cycle of the unit.
  - Perform Duties of regeneration steps for every type resin to achieve ideal specification for water in unite cycle.
  - Make continues analysis for water for every in the steam and water cycle.
- LAB ANALYSIS:
  - Analysis of raw and effluent water for total hardness, alkalinity, carbonates, calcium, magnesium hardness, chloride by titration methods, determination of PH, TDS, conductivity, specific gravity, turbidity using HACH turbidity meter, spectroscopy analysis for total iron, phosphate, sulphite, nitrate, nitrite.

**Dates** : In 2007  
**Employer** : Medical Co.  
**Job title** : Medical Representative

**Dates** : From 2006 till 2007  
**Employer** : EIPICO (Medical Co.)  
**Job Description** : Worked in researching department.