

Holds a B. Sc. in Chemistry and has over 21 years hands-on experience working as Chemist in several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/03/1965
Gender : Male
Marital Status : Married
Residence : Ismailia

EDUCATION

: B. Sc. in Chemistry, Mansoura University, 1989

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: PDF program
: Maintenance program (MP2I)

TRAINING COURSES AND CERTIFICATIONS

- : Lead auditor training course in OHSAS18001-2007 for 1 week (Sep. 2008).
- : On-shore advanced course on operation at Shoubra El-Kheima Power Plant (4x315MW) offered by EEA (Nov. 1993 till Jun. 1994).
- : On-shore advanced courses at site offered by Measurements Technologies INC / Raython / Ebasco on the Laboratory Environment (from Jun. till Aug. 1995).
- : On-shore advanced courses at sit offered by Mitsubishi Electric on the Dissolved Gases Analyzer Model (FAF), Nov. 1995.
- : On-shore advanced courses at site offered by Mitsubishi Heavy Industries and Toshiba as a Chemist Operator (from May till Jul. 1991).
- : Summer training through 1988 at Talkha Power Plant (2x210MW) was concerning water analysis by using Atomic absorption system.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2002 till now
- Employer** : EDF (Electricite De France), O&M (Operation and Maintenance), EOC (Egyptian Operating Company) BOOT system
- Project** : Port Said Power Plant (2x365MW)
- Job title** : Chief Chemist
- Job Description** :
- Organize a team consists of 4 Chemists & 2 Technicians.
 - Responsible for preparing of chemical laboratory equipments (furniture, instruments, glass wares and chemicals).
 - Following up the chemical cleaning of the high pressure boilers.
 - Operating and measuring performance of all water treatment plants (desalination system, demineralizers and hypo-chlorite generator).
 - Controlling the quality of water and high pressure steam through online analyzers and laboratory instruments performing all the required analysis and results digestion.
 - Applying QA&QC procedures on laboratory analysis.
 - Assessment of the risk of the routine activities on the health, safety and environment.
 - Responsible for calibration of all analyzers provided by polymetron company (pH meter, conductivity meter, Oxygen analyzer, Hydrazine analyzer, Silica analyzer, Sodium analyzer, Chloride analyzer) and also laboratory instruments (spectrophotometers DR2010, DR2500 and gas chromatograph) and performing all the analysis required.
 - Performing chemical cleaning of the desalination units.
 - Preparing the annual budget for the laboratory and the chemicals for the water treatment units.
 - Responsible for handling and storage of bulk chemicals and laboratory chemicals.
 - Responsible for updating of procedures related to our activities.
 - Preparing daily, monthly and annually reports of water quality, water treatment units performance and operation chemicals consumption.
 - Responsible for performing training includes waste water treatment as an environmental training and hazardous handling as safety and environmental training for all the staff of power station also preparing all the training material and documents.
 - Recently we faced big problem in desalination unit, it was high salinity of product I could solve this problem and wrote the procedure of the action has been done to be added to the main maintenance and operation procedure.
 - Following up the maintenance works in the chemical region performing all the safety requirements and provide the maintenance team with technical advises.
 - Additional tasks:
 - I modified chemical analysis method, which helps us during chemical cleaning of the desalination to save chemicals and gives us an indication about the end of the cleaning, this method saved several thousand pounds of chemicals cost.
 - Following up the chemical cleaning of the high pressure boilers in Suez Gulf Power Station and also in Port Said East Power Plant.
 - Member in occupational health & safety committee in the plant.

- Commissioning & Start-up Chemist has worked with WEIR ENTROPT Co., METTITO Co. and E.M.I.T Co. in the period from Jun. 2002 till Jul. 2003.
- I participated in preparing of the plant management systems to comply with ISO-standards (14001:2004 & 9001:2000) and OHSAS18001 till the certification on 18th Nov. 2007.
- Supervisor during construction and commissioning and participated in issuing of all the operating procedures & instructions related to all chemical systems.
- Lead auditor in cross function team responsible for internal auditing in our company to comply with ISO-standards (14001:2004 & 9001:2000) and OHSAS18001.

Dates : From Jun. 1998 till Apr. 2002
Employer : Egyptian Electricity Authority (EEA)
Project : Talkha Thermal Power Station (2x210MW)
Job title : Chemist
Job Description :

- Controlling the quality of water and high pressure steam through online analyzers and laboratory instruments.
- Operating demineralization system, chemical feed system, polisher, sampling system and chlorination system.
- Member in occupational health & safety committee in the plant.

Dates : From Aug. 1993 till Jun. 1998
Employer : Egyptian Electricity Authority (EEA)
Project : EI-Kureimat Thermal Power Station (2x627MW)
Job title : Chemist Supervisor
Job Description :

- Responsible for design revision for water treatment units supplied by BAMAG Lurgi and chemical feed system supplied by ABB contractors.
- Following the erection, pre-commissioning and commissioning process.
- Performing the substation transformer oil analysis using dissolved gases analyzer models (FAF).
- Performing environmental analysis of air and water using international standards.
- Perfect in using ICP, IR-spectrophotometer, Gas chromatograph (GC-TCD, GC-ECD and GC-FID in chemical analysis).
- I got a present of ideal employee due to my efforts in EI-Kureimat Thermal Power Station.

Dates : From Mar. 1991 till Sep. 1993
Employer : Egyptian Electricity Authority (EEA)
Project : Assiut Thermal Power Station (2x312MW)
Job title : Shift Supervisor Chemist
Job Description :

- Design revision of pre-water treatment, demineralization, chemical feed, chlorination, polisher, wastewater, sewage and sampling systems achieving best conditions.
- Participate in chemical cleaning of boilers.
- Inspection of installation and erection of chemical systems during commissioning through:

- Verifying the response of all chemical dosing system and the water treatment flushing for all pipes and vessels.
- Verifying the clarifier jar test, admission tests, regeneration of daminerlizer and the deminarlized water production.
- Controlling the quality of water and high pressure steam through online analyzers and laboratory instruments.

Dates : From Oct. 1989 till Dec. 1990
Employer : Egyptian Army
Project : Military Service