

Holds a B. Sc. in Chemistry and 2 Diplomas. Has about 19 years hands-on experience, including 14 years working at Nubaria Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/09/1980
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Chemistry, Alexandria University, 2001
: Diploma in Applied Chemistry, Tanta University, 2015
: Diploma in Analytical Chemistry, Tanta University, 2016

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training course on the work of (Fire rescue), Civil Defense - Dept. of El-Behira (Dec. 2008).
: Training course in the water treatment, Nubaria Power Station (Jun. 2008):

- Demineralization plant.
- Pre-treatment system.
- Sewage treatment system.
- Potable water system.
- Waste treatment system.
- Oil separator system.
- Chemical injection system.
- Thermal cycle analysis system.

: Training course in chemical cleaning, Central Laboratories of Electricity in Cairo.
: ICDL course: Microsoft Windows – Microsoft Office – Internet, IT.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2006 till now
- Project** : Nubaria Power Station (2250MW) (3x750MW, SIEMENS GAS TURBINE 2 MODULES, GE GAS TURBINE ONE MODULE, MITSUBISHI STEAM 2 MODULES TURBINE & ALSTOM HEAT RECOVERY 2 MODULES, THIS PLANT PROVIDES ELECTRIC POWER TO THE EGYPTIAN GRID VIA 6 FEEDERS OF 500/ 220KV)
- Job title** : Shift Charge Chemist
- Job Description** :
- Work in pre-treatment (sedimentation process, filtration process), this process produce 260m³/hr from clarified water and 260m³/hr from filtered water.
 - Work in potable system (filtration with activated carbon filters & chlorination), this process produce 1200 m³/day from drinkable water.
 - Demineralization Plant system which done by ion Ex change process, this process contains three streams each stream contain (polishing filter, cation exchanger, decarbonator, anion exchanger, mixed bed exchanger), this process produce demi. Water with 0.1µs / cm and PH = 6.7 & S iO₂ 5 ppb, this process produce 1000m³/day.
 - Waste treatment (clarification, filtration by gravity filters, and adjust PH in final PH, range 6- 9 and cond. Under 2000 µs / cm and this process produce 3000 m³/day.
 - Sewage treatment which work by activated sludge process (aeration process, settling process, chlorination process, drier bed process for disposal sludge), this process produce 2x200m³/day.
 - Oil separator system (API unite, flash mixer process, Dave unite, air saturation unite), this system produce 150 m³/ hr.
 - Thermal cycle which contain (feed tank, boilers with drums HP, IP, LP, steam turbine) and this cycle include treated by hydrazine in feed tank as oxygen scavenger, tri sodium phosphate in drum to make buffering in PH and prevent scale formation, ammonium hydroxide in condensate water to rise PH.
 - Hydrogen production unite for cooling generator and produce 10 m³/ hr from oxygen & hydrogen.
 - Closed cooling system for cooling several services in thermal cycle and keep this cycle at cond. Under 40 µs / cm, PH 7.5- 8.5 and hydrazine 2- 5 ppm.
 - Operate reverse osmosis unit which produce 12 m³.
 - Each process monitored by several analysis (hourly, daily, weekly, monthly).
- Dates** : From Sep. 2001 till Sep. 2006
- Employer** : (SFCO) for Manufacturing & Exporting of Agriculture products
- Job title** : Chemist