

Holds B. Sc. in Chemistry and M. Sc. in Inorganic Chemistry. Has over 13 years hands-on experience working as Chemist at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/08/1982
Gender : Male
Marital Status : Married
Residence : Beni Suef

EDUCATION

- : B. Sc. in Chemistry, Beni Suef University, 2003
- : M. Sc. in Inorganic Chemistry, Helwan University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Training offered by METITO on operation of water treatment plant and the following laboratory instruments:
 - DR. 5000 SPECTROMETERS.
 - Atomic Absorption Spectrometer (SHIMADZU).
 - Continues Emission Monitoring System (CEMS).
 - Ion Chromatograph (DIONX).
 - Total Organic Carbon Analyzers (SHIMADZU).
 - Online Analyzers As PH, Conductivity, Sodium, Silica.
 - Turbidity Meter (WTW).
 - Laboratory Accessories.
 - Oil Analyzer Chromatograph (PRKIN - ELMAR - ARNEL).
 - Gas Analyzer Chromatograph (PRKIN - ELMAR - ARNEL).
 - UV - VIS Spectrometers (SINGLE AND DOUBLE BEAM).
- : On-shore training by Veolia Company in France office on:
 - Chlorination system.
 - UF, CIP for UF system and chemical cleaning for UF system.

- Process description, design calculation and the operation of RO system.
 - Theory of operation for production and regeneration of mixed bed.
 - Operation of waste water water system, oil water separator and sewage treatment unit.
 - Operation of condensate polisher system.
- : General English and conversation courses.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2017 till now
- Project** : South Helwan Supercritical Power Plant
- Job title** : Water Treatment Chemist
- Job Description** :
- Commissioning and start-up of water treatment unit (Chlorination, raw water UF, RO, mixed bed, waste water water system, oil water separator and sewage treatment unit system).
 - Make performance and reability for systems (Chlorination, raw water UF, RO, mixed bed, waste water water system, oil water separator and sewage treatment unit system).
 - Setting of dosing rate of RO plants chemicals.
 - Cleaning, Preservation and Regeneration of UF, R.O, Mixed Bed (CIP, CEB & Regeneration).
 - Make full analysis for water.
 - Feed treated water and chemicals to Closed Cooling.
 - Analysis of Water as Quality Control for Water Treatment Plant and as Quality Preservation and Acid Cleaning for Boilers.
 - Operation of Chlorination, UF, CIP for UF system and chemical cleaning for UF system.
 - Operation of RO and chemical cleaning for RO system.
 - Operation of waste water water system, oil water separator and sewage treatment unit.
 - Operation of condensate polisher system.

- Dates** : From May 2011 till May 2017
- Project** : El-Kureimat Power Plant (2x650MW)
- Job Description** :
- Laboratory Chemist & operating as Shift Chemist in field of operating, controlling and make qualitative, quantitative, spectrophotometer analysis for:
- Dematerialized system forming Demi water.
 - Waste water treatment system (treatment to waste Water to back to river Nile).
 - Pre-treatment system (treatment of the Nile water).
 - Sewage water treatment system (treatment the Sewage water to the Nile River).
 - Chlorination system (injection the chlorine to kill Micro organisms).
 - Following installation and operation of sampling system and on line analyzer (Silica analyzers, sodium analyzer, conductivity meters, PH meters and dissolved Oxygen analyzers) make calibration and prepare chemicals for online analyzers to control the boiler water, condensate and steam cycle quality.
 - Following operation of chemical feed system (Ammonia, Hydrazine and

Phosphate) to adjust chemicals feeding to the boiler.

- Following installation and operation for D-M-S (Data management system), which control chemical injection in boiler water, condensate and steam automatically according to the reading of on line analyzers.
- Following operation of condensate polishing System and required its water analysis.
- Potable water treatment (treatment the Nile water to form potable water).
- All chemical analysis for water quality control.

Dates : From Jul. 2006 till May 2011

Project : El-Kureimat CCPP (2x750MW)

Job Description :

- Commissioning and start-up of water treatment unit (Chlorination, raw water, clarifier, mixed bed, waste water water system, oil water separator and sewage treatment unit system).
- Make performance and reability for systems (Chlorination, raw water, clarifier, mixed bed, waste water water system, oil water separator and sewage treatment unit system).
- Setting of dosing rate of RO plants chemicals.
- Setting of dosing rate of water treatment chemicals.
- Feed treated water and chemicals to Closed Cooling.
- Analysis of Samples in Laboratory (Demineralization, Potable, Waste, Sewage, Raw Water, Transformer Oils and Dissolved Gas).
- Operation of Chlorination, raw water, clarifier, mixed bed, waste water water system, oil water separator and sewage treatment unit system.
- Operation of Chemical Feed System for Boilers.
- Operation of continuous emission monitoring systems (CEMS).
- Analysis of Water as Quality Control for Water Treatment Plant and as Quality Preservation and Acid Cleaning for Boilers.