

Holds a B. Sc. in Chemistry and has over 11 years hands-on experience working as Water Treatment Chemist.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/02/1988
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Chemistry, Benha University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training in the departments of various public sector central chemical laboratory of the Egyptian Company for Electricity Transmission.
- : Basic CGMP principles – pharmacure for pharmaceutical industrial.
- : Safety precautions for personnel and machine.
- : Certificate in total quality management (TQM) from Brooklyn Academy.
- : Personal productivity workshop.
- : Business writing skills course.
- : Goal setting course.
- : Change management course.
- : Fire fighting courses.
- : First Aid course from Egyptian Red Crescent.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2015 till now
Employer : Edra Power Holdings Sdn Bhd (CGN Edra)
Project : Sidi Krir Power Plant U #3, 4 2x341MW Babcock 1000 TPH Boiler
Job title : Water Treatment Operator
Job Description :

- Water treatment for Two main boilers 1000 Ton/hr. (water /steam cycle).
- Boiler preservation (wet, dry).
- Monitoring different parameters of boiler feed water, saturated steam, Superheated Steam and check steam quality.
- Water treatment feed water for Auxiliary boiler.
- Desalination unit (SWRO unit). DM RO Their capacity 40 m3/hr.
- Water treatment for closed cooling system.
- Biofouling control system (Chlorine dioxide generating unit).
- Condensate polisher system.
- Chemical cleaning for boilers.
- Waste water (neutralization, sewage plant).
- Stator water treatment.
- All lab activities RO water, pre-treatment plant. Water/steam cycle Quality.
- All lock out tag out activity for water treatment equipment.

Dates : From Jun. 2013 till Jan. 2015
Employer : Pharmacure Pharmaceutical Industries
Job title : Water Treatment Chemist
Job Description :

- Responsible for (feed water for fire tube boiler - closed cooling chiller).
- Reverse osmosis plant to product purified water which use in pharmaceutical industry.
- Waste water treatment plant (Aerobic treatment system).

Dates : From Apr. 2013 till Jun. 2013
Employer : Universal Pharmaceutical Industries UNIPHARMA
Job title : Water Treatment Chemist
Job Description :

- Responsible for (feed water for fire tube Boiler - closed cooling chiller).
- Reverse osmosis plant to product purified water which use in pharmaceutical industry.
- Waste water treatment plant (Aerobic treatment system).

Dates : From Jan. 2011 till Apr. 2013
Employer : Amoon International Company
Job title : Water Treatment Specialist
Job Description :

- Fire tube Boilers.
- Cooling tower.
- Closed cooling chillers.
- Swimming pool.

- Field of experience :**
- Aware with water treatment for supercritical steam generator.
 - Monitoring the quality of feed water, condensate water and saturated steam cycle chemistry of thermal power plant.
 - Collected water samples of steam generating systems (High pressure Boiler), sample panel and performed chemical analysis.
 - Analysis of Boiler water (Silica, Phosphate, Iron, Hydrazine, low range of chloride, PH and Conductivity).
 - Understanding of Boiler and cooling system failure mechanisms corrosion, scaling, fouling and chemical treatments.
 - Corrosion inhibition, O₂ scavenging, anti-scalant and dispersant programs.
 - Experience in water treatment chemical applications: Boiler water treatment, pre-treatment.
 - Experience in condensate polisher system and polisher system regeneration.
 - Experience in SWRO/RO pre-treatment system design and understanding of membrane fouling processes, and cleaning maintenance and chemical programs.
 - All quality testing of RO water & water treatment plant.
 - Cooling systems (exchangers, chillers, closed cooling water loops, cooling towers, programs used: corrosion inhibitors, anti-foulants, biocides, algaecide, and dispersants).
 - Prepare all reports such as: chemical consumption 24hrs report, Demineralization water production and Consumption report.
 - Operate sewage unit, Collect sample and check water quality after treatment process.
 - Regeneration ion exchanger (Mixed bed) according plant requirement.
 - Knowledge of chemical MSDS & safety operating plant.
 - Hands-on Experience working with concentrated sulfuric acid, hydrochloric acid, sodium hydroxide (caustic soda), and chlorine based compounds (Chlorine Gas, sodium hypochlorite, and chlorine dioxide).