

Holds a B. Sc. in Chemistry / Physics and has over 6 years hands-on experience working as Chemist at Assiut Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/07/1992
Gender : Male
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Chemistry / Physics, Assiut University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab
: SPSS

TRAINING COURSES AND CERTIFICATIONS

: Water and wastewater treatment, Veolia Water.
: Summer training program at Assiut Oil Refining Company.
: Laboratory analysis of water, Drinking Water and Sanitation Company.
: Laboratory analysis of water, HANNA instruments – HACH.
: Keys Charismatic personality, Sigma & Eva-Pharma.
: Water-Steam analysis training, SWAN Analytische Instrumente AG.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2016 till now
Employer : ORASCOM CONSTRUCTION
Project : New Assiut Combined Cycle Power Plant (1500MW)
Job title : Water Treatment Process Specialist

Job Description :

- Act as Chemical Team Leader, Leading chemical team consist of 7 chemists and more than 10 technicians.
- Preparing the process of water treatment needed for (hydrostatic test, steam blow) for HRSG.
- Responsible for chemical cleaning process starting from reviewing with consultant ending to site execution for HRSG (8 units) and condensate system.
- Mechanical Commissioning activity "solo run tests, mechanical load test, hydrostatic Test, air blowing and flushing".
- Hot cleaning for Air Condenser Cooling (ACC).
- Water & steam cycle analyzers "SWAN" commissioning,"O&M".
- Preparing lube oil flushing process of steam turbine "NAS, ISO" test.
- Guiding procurement team and reviewing technical offers for chemicals, pumps and anything related to water treatment process.
- Preparing a full laboratory needed for water & oil analysis.
- Put a Preservation plane of all (HRSGs, ACC, Condensate system and closed cooling).
- Specify or design corrosion and process monitoring systems, Analyze and review.
- Equipment performance & reliability.
- Proposals reviewing.
- Preparing water consumption and chemicals for the steam blow, commissioning and start-up.
- Wastewater management and O&M manuals reviewing with suppliers.
- Follow up environmental specification and rules.
- (O&M) Advisor, Giving technical advice for the operation and maintenance of Water & waste water treatment plant (400m³/h).

Dates : From Dec. 2014 till Nov. 2016

Employer : ORASCOM CONSTRUCTION

Project : New Assiut Simple Power Plant 1000MW

Job title : Commissioning & Start-up Chemist

Job Description :

- Responsible for commissioning activity of Bop & gas turbine auxiliaries.
- Ultra filtration system (UF) & Self-cleaning filters RO system 11 unit as First and second pass.
- Wastewater and Sewage treatment.
- Oil separation from water.
- Sludge processing.
- Boiler water treatment.
- Closed cooling anticorrosion plan.
- Lube oil flushing process,"NAS , ISO" tests.
- Put a plan for water wash of gas turbines.
- Heavy Fuel Oil treatment.
- Preservation and Corrosion Prevention.
- DCS Operator.
- (O&M) Engineer, Responsible for all operation and maintenance of water treatment Plant (400m³/h).

Field of experience :

- Qualified Commissioning Chemist & process with very strong mechanical and good Electrical background supported with more than

6 years experience in the field of power plant (GTG-CCGT-STG), Familiar with GE, Doosan and Veolia machines, Water & waste-water treatment, gas & combined cycle plants start-up, commissioning, operations and shutdown Planning through chemistry side.

- Interface with other internal engineering disciplines (mechanical, civil/structural, electrical, instrumentation, Automation, architecture, etc.) to ensure coordinated designs are going on if required.
- Ensure that all company targets and objectives associated to quality, business, technical, commercial and Operational areas are met.
- Issue equipment clearances and work permits. Develop and implement plant operating procedures.
- Review and analyze accidents and near miss incidents and making corrective action recommendations. Supervised (review & analyze) for all systems that, required chemical additives.
- CORE QUALIFICATIONS:
 - Power Generation.
 - Simple & Combined Cycle.
 - O&M.
 - HRSG.
 - Desalination.
 - Water & waste water treatment.
 - Corrosion prevention.
 - Procurement.
 - Mechanical Commissioning.
 - Process Design & Proposal.
 - Planning.
 - Research and development.
 - Laboratory Analysis.
 - Technical Office.
 - Management.
 - Project Engineering.
 - Chemical Cleaning.
 - DCS Operator.