

Holds a B. Sc. in Special Chemistry and has about 11 years of work experience in any large water treatment plant process, Chemical, O&G plants or Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/07/1982
Gender : Male
Marital Status : Married
Residence : New Assiut

EDUCATION

: B. Sc. in Special Chemistry, Al-Azhar University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training course in Assiut Oil Refining Co. (summer 2003).
: Certificate of improvement principles in technology information, Assiut University (Sep. 2006).
: Certificate from Central Chemical Laboratories from Ministry of Electricity in Egypt (Nov. 2007).
: Certificate of AMEDC from Medical Faculty in Assiut (Dec. 2009).
: Training courses of computer (ICDL – HTML – Pascal ...etc.).
: Certificate of Training for laboratory equipment from KOMROWSKI Company (Feb. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2017 till now
Employer : ELSEWEDY Electric PSP
Project : Beni Suef 4800MW Combined Cycle Power Plant
Job title : Lead Chemist

Job Description :

- ELSEWEDY Electric PSP Scope of work includes the EPC of Civil works and Site preparation.
- EPC of all Balance of Plant Equipment and Systems.
- All Erection Works.
- Testing & commissioning of Plant equipment and Systems.

Dates : From Mar. 2016 till Aug. 2016

Employer : Shanahan Engineering Ltd

Job title : Commissioning Chemist

Job Description :

- BEMCO-GS was awarded the EPC (Engineering Procurement & Construction) contract.
- By Saudi Electricity Company (SEC) on May 16, 2012 for a net guaranteed output capacity of 2,175MW CCGT project, consisting of two power blocks, each with four GE Frame 7FB Gas Turbines, four Alstom (GE) HRSGs with one Alstom (GE) Steam Turbine Generator. Each block has an ACC (Air Cooled Condenser). There is a central Control room and a 380/33KV GIS.
- The Gas Turbines have been in operation since the summer of 2015. All GTs' are fitted with a bypass damper. Original handover date for the first CCGT was Nov 14, 2014, with second block to be handed over on Jan 2015. So the project is very late.
- Shanahan Engineering received its NTP on Sat 13th February 2016 from BEMCO-GS JV to accelerate and commission Block 2 CCGT, including pre-commissioning of the steam turbine block. The target date for initial synchronization is the 31st May 2016, but thus is predicated by a number of pre-requisites. The company will be penalized for late delivery of this project if we don't achieve this goal. It is therefore hugely important to document and record daily information in the company diaries that impact our performance.

Dates : From Oct. 2013 till Mar. 2016

Employer : TNB REMACO KHARAFINATIONAL JV

Job title : Assistant Chemical Section Lead

Job Description : SHUAIBA North Combined Power & Water Plant in Kuwait:

- 3x260MW Gas Turbines Contractor GE Company frame (9FA).
- 3 x HRSG (75 bar) Contractor HYUNDAI Company.
- 1x220MW steam turbine Contractor TOSHIBA Company.
- 3 x 15 MIGD Distillers MSF Contractor FISIA ITALIANTI Company.
- 200KG/hr Chlorination Plant Contractor ALLDOS Company.
- Re-carbonation Plant Contractor FISIA ITALIANTI Company.

Dates : From Aug. 2010 till Sep. 2013

Employer : KHARAFI NATIONAL

Job title : Chemist

Job Description : Chemist (Man power supply of KHARAFI NATIONAL Company) to Ministry of Electricity & Water in Kuwait at SHUAIBA South Power & Water plant (6x150MW & 6 x 5 MIGD).

Dates : From Oct. 2006 till Jul. 2010
Employer : UEEPC
Project : Assiut Thermal Power Plant in Egypt
Job title : Shift Chemist
Job Description : Chemist and laboratory analysis (external water treatment, internal water treatment) at Ministry of Electricity in Egypt (Assiut Thermal Power Plant 2x300MW).

Field of experience :

- Control and monitor the operation process from DCS and PLC base.
- Operation of the chlorination plant (C.W & Raw water chlorination).
- Operation of the pre-treatment plant for potable, domestic water and waste units.
- Operation of the Demi plant, polishing plant and regeneration.
- Control Chemical Dosing system and quality of water and steam during Start-up and shut-down procedures for thermal power plant (Cold, Warm, and Hot Start-up and normal or emergency shut-down) and HRSG.
- Analyzing samples from various sources (Raw water, Demi plant water, Pre-treatment water, waste water, thermal cycle water, distillation water, closed cooling water, Re-carbonated water, transformer, turbine, lube Oil, heavy fuel and heat transfer fluids) to provide information on compounds quantities of compounds present, using analytical techniques and instrumentation.
- Know a lot of Laboratory Equipment, Furniture and instruments such as ICP, AAS, flash point, cloud and Pour point, viscometer and Lube Oil Tester (Petrotest[®] 40-0160).
- Determination of sulphur by (IKA[®] AOD 1), Determination of Vanadium by DR 2800 HACH, Determination of Asphaltene Content.
- Make calibration for much kind of analyzer instrument and prepare reagents, calibration and cleaning solution (lab and field pH meter and Conductivity meter), (Silica analyzer, Hydrazine, Ammonia, Oxygen and Sodium analyzer).
- Boiler passivation and preservation.
- Know a lot of chemical cleaning for (air heater, super heater, boiler, Gas Turbine compressor & condenser) and acid cleaning of Desalination plants.
- Calculate and reporting the rates weekly and monthly of consumption of chemicals and to compare the design specifications.
- Know a lot of Steam blow of (Boilers & HRSG), distillation plant, Re-carbonation plant and sewage water plant.
- Adding and Calculate chemicals to closed cooling water, HVAC water and chilled water.
- A review of the work of clearing lines for drinking water until further tap drinking water network in power plants.
- Follow up programs to measure the emissions of various stations, Revision additions materials and their impact on emissions from the combustion process
- Commissioning of equipment's after completion of maintenance works.
- Essential Responsibilities:
 - Operation Chemist be functionally Reporting the scientific results. Reporting to process leader and one over one to Operation

manager.

- Responsible for all laboratory activities including chemical sampling and analysis pertaining to the plant and ensure all the related parameters are within the limit.
- The key responsibility for this Shift Chemist is the smooth operation of water treatment plant.
- Review process control operation through inspection of system and plant records, technical data, operating reports and historical trends.
- Familiarize with regulatory requirements pertaining to environmental compliance, chemical used in the plant, MSDS, related plant P&IDs, SOPs, Work instructions, as well as the emergency operation procedures and any other related documents.
- Investigate, diagnose, report, and recommend correction of abnormalities occurring in any part of the water treatment plant system or Process or plant utilities to ensure safe operation of the plant as per the stated procedures.
- Share and escalate the operational observations pertaining to the water treatment plant process or system control operation to ensure the economical functioning of plant facilities, coordinating operational strategies with process leader or Manager.
- Responsible for knowledge of the properties and company names of chemicals used in systems that work on the follow-up. Carry out the quality inspection of all the chemicals received in the plant.
- Responsible for know a lot of Resin troubleshooting & pumps and valves of chemicals used in systems that work on the follow-up.
- Responsible for reporting shift operational activities to process leader and operation manager.
- Responsible for creating safe working area by isolating the equipment/system from potential hazardous source and to authorize work executor to start the work by applying LOTO devices, the execution of the work shall be followed until the completion of the job.
- Responsible for measuring individual water skids turbidity and individual vessel conductivity and maintains records for future reference and control.
- Regular update to process leader and Manager and make routine plants walk round to notice any plant anomalies before in time. Responsible for reporting the shift activities to concern discipline responsible for corrective actions.
- Routine monitoring of static and rotary equipment and initiate necessary maintenance works to avoid equipment malfunctioning & damages.
- To work closely with client control room operators to maintain good relationship while on executing the assigned or common tasks.
- Execute assigned tasks efficiently as per the instruction given based on plant process requirement and update the status periodically.
- Responsible for communicate with other discipline responsible on equipment isolation and to initiate the maintenance works, follow up the works until the completion of works.
- Write comprehensive reports on process control operations as necessary to provide information as may be required by

management.

- Demonstrate continuous effort to improve operations, decrease turnaround times, streamline work processes, and work cooperatively and jointly to provide quality service.
- Plan and initiate chemical preparation and perform lab analysis deemed necessary for the plant smooth operation and work closely with chemical department on timely and safe completion of chemical preparation, loading & unloading of chemicals.
- Review all chemical usage to determine correct chemicals, doses, and application points; carry out necessary tasks related to chemical and water analysis based on process requirement.
- Monitoring of process parameters, online instruments and individual system performances through plant automation system and initiate necessary action.
- Assist process leaders on investigating & troubleshooting the process disturbances, equipment malfunctioning and notify the concern department responsible in time for necessary actions.
- Write shift activities clearly and organized manner in shift log book and the shift activities shall distinctly be communicated to shift reliever for further follow-up, etc.
- Apply and follow plant EHS procedures including handling of hazardous chemicals, confined space activities, chemical spill control, LOTO procedure and evacuation & emergency procedures.
- Responsible for housekeeping of the laboratory equipment and spillages.