

105793-CHE-18OS-E-2009
Commissioning / Operation Lead Chemist

Holds a B. Sc. in Chemistry and has over 13 years experience in operation and commissioning for water treatment plants and boilers for steam production in power stations and adjust the steam parameters, also has experience for the Boilers and water treatment plants chemical cleaning and adjust the chemical dosing required and has experience in process and has the ability to adjust the design from operation point of view and has experience for commissioning and calibration the analyzers and instruments related to water and steam analysis.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Quality Assurance course in productivity and Quality Institute.
- : Hi-Tech laboratory instrumentation by TERMOKIMIK CORPORATION.
- : ELECTROCHLORINATION operation training by TERMOKIMIK and DENORA.
- : IN-SITE OPERATION TRAINING by TERMOKIMIK.
- : PUMPS Operation, Selection, troubleshooting and Maintenance by OIL & GAS Skills.
- : Design of Water Desalination System.
- : Process engineering for operation engineers, OMESOL.
- : Petrochemical course by OIL & GAS Skills.
- : Water treatment course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2019 till now
Employer : GE
Project : Turaif and Duba Projects - Saudi Arabia
Job title : Commissioning / Operation Lead Chemist
Job Description :

- Work with the commissioning team to prepare the commissioning requirement for WAS Power Plant boiler and water and waste water treatment units.
- Adjust the closed cooling water quality in the gas turbine.
- Commissioning and operation lead for the water and wastewater treatment plant in power station which contain MBR, RO plant, EDI and waste water treatment plant.
- Lead the Chemical Cleaning of the HRSG's, solar plant and associated Water Steam Cycles.
- Make Hot passivation for the HRSG`s.
- ACC hot cleaning process.
- Commissioning and operate the chemical dosing system and SWAS to control the steam purity to ensure compliant steam chemistry parameters during the steam blow process and steam turbine start-up process.
- Assisting and training client's operation and maintenance teams in all aspects of plant chemistry.
- Commissioning and start-up sampling system in DUBA project and adjust the steam purity for steam turbine operation.

Dates : From Sep. 2018 till Apr. 2019
Employer : VEOLIA WATER SOLUTION EGYPT
Project : Mopco Zero Liquid Discharge Project
Job title : Senior Commissioning Engineer
Job Description :

- Commissioning and operation Zero liquid discharge unit consists of 2 UF units 2 brackish water RO unit and 3 sea water RO unit and evaporator for MOBOCO Fertilizer Company.
- Make chemical cleaning for RO unit.
- Maintenance the water analysis analyzers.

Dates : From Jan. 2018 till Sep. 2018
Employer : GE / ORASCOM Construction Industries
Project : NEW WEST DAMIETTA COMBINED CYCLE POWER PLANT
Job title : Commissioning Chemist
Job Description :

- Chemical cleaning for HRSGs.
- Making final passivation for 4 HRSGs.
- Operate the chemical feed system.
- Performance test hand over to client for UF, RO and Demineralization system.
- Adjust the steam purity and requirement for the four HRSG`s for steam blowing and hot passivation.
- Hot cleaning the Air-Cooling Condensate system.
- Commissioning and operate the steam and water analysis system provided by SWAN Company.

Dates : From Sep. 2011 till Jan. 2018
Employer : West Delta Electricity Production Company (WDEPC)
Project : New Abu Qir Power Plant 2x650MW, ALEX
Job title : WTP & Boiler Operation Chemist
Job Description :

- Commissioning and start-up for MED VC Desalination plant (AQUA TECH), Demineralization plant, wastewater treatment plant, Sewage Treatment plant, boiler chemical feed system, electro-chlorination system and condensate polisher system (TERMOKIMIK).
- Maintenance and operation of these plants.
- Prepare all chemicals used in site.
- Chemical cleaning and preservation for supercritical Boilers, air heater and High-Pressure Heater and treated Wastewater to discharge to the sea.
- Start-up and maintenance of the pH, conductivity, dissolved oxygen, silica and sodium and any online analyzers in the plant.
- Monitor the CEMs.
- Work as a quality control for water laboratory and oil laboratory.
- Operation for the Fuel treatment system in the station and adjust the dosing of fuel additives.

Dates : From Oct. 2009 till Sep. 2011
Employer : METITO OVERSEAS LIMITED for water treatment
Projects : EL-TEBBIN Thermal Power Plant / CAIRO WEST Thermal Power Plant
Job title : Commissioning & Operation Chemist
Job Description :

- Making start-up and commissioning for the demineralization plant in EL-TEBBIN and CAIRO WEST Thermal Power Stations and operate these plants and also operate the condensate polisher.
- The operations of the plant include service and regeneration for the resin in the plants and making lab test to avoid the fouling and any other problems and also Directed the client chemists in performing all tests required supporting the operation of the plant in addition the lab personal on adjusting the different dosing to meet the plant chemistry requirements.
- Operating for reliability tests and performance for pre-treatment, Demineralized, RO, Waste Oily and Wastewater systems and it's dosing of chemicals and make required analysis to adjust quality.
- Writing and checking the operation procedures and log sheets for all water treatment systems.
- Operation of sodium hypochlorite dosing system.
- Give the owner on-site training for all the system.
- Worked under direction of project managers to create professional works following precise specifications.

Field of experience :

- Knowledge of water or waste water treatment process design and operation.
- Knowledge of online analyzers start-up and commissioning and maintenance.
- Knowledge of new treatment technologies as they are developed, such as RO, UF, UV disinfection, and new chemicals used within the industry.

- Knowledge of laboratory techniques and procedures of water and waste water treatment.
- Making chemical cleaning for power station boilers, air heaters, desalination plants and hypochlorite plants.
- Knowledge of Fuel treatment and additive and analysis.
- Chemical analysis, Instrument calibration.
- Chemical product application and Process development.
- Knowledge of drinking water standards and regulations.
- The ability to work in PLC and DCS and have a good knowledge about it.
- Can follow up the construction of the water and waste water treatment, chemical plants and coordinate with the construction team.
- Good ability to satisfy the group need with innovative ideas.