

Holds a B. Sc. in Special Chemistry and has about 14 years hands-on experience, including 7 years working at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/12/1982
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Special Chemistry, Assiut University, 2006

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Water Treatment Operation and Maintenance Course (Reverse Osmosis).
: Sugar dissolving Unit training.
: Spectro oil photometer.
: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2020 till now
Employer : Veolia
Project : Assiut Supercritical Power Station 1x650MW
Job title : Lead Chemist

Dates : From Oct. 2017 till Jun. 2020
Employer : Orascom Construction
Project : Assiut Combined Cycle Power Plant 500MW

- Job title** : Lead Chemist
- Job Description** :
 - Chemical Cleaning for 8 HRSG.
 - Water Quality Control during steam blow.
 - Air Cooled Condenser (ACC) Hot Cleaning analysis.
 - Chemical Injection Skids Operation.
 - Chemical Additives for closed cooling Loops and Fin Fan Cooler.
 - Water Quality Control during steam purity.
 - Water Quality Control during Hydrostatic test for 8 HRSG.
 - Water Quality Control during Normal Operation for Two Modules.
 - Wet Preservation for 8 HRSG after Chemical Cleaning.
- Dates** : From Nov. 2016 till Oct. 2017
- Employer** : Orascom Construction
- Project** : New Capital Combined Cycle Power Plant 4800MW
- Job title** : Sr. Commissioning & Operation Chemist
- Job Description** :
 - Commissioning, start-up and operation for Water Treatment Plant which contains the following systems:
 - Ultra Filtration (UF).
 - Reverse Osmosis (RO).
 - Continuous Electrode ionization (CEDI).
 - Waste Water Treatment.
 - Sewage Treatment Plant (STP).
 - Chemical Additives for closed cooling Loops and Fin Fan Cooler.
 - Analyzing Samples from Various Sources (Pre-treatment water, Raw water, Demi water, Waste water and Closed Cooling water).
- Dates** : From Feb. 2015 till Oct. 2016
- Employer** : Orascom Construction
- Project** : Assiut Simple Cycle Power Plant 8x125MW
- Job title** : Sr. Commissioning & Operation Chemist
- Job Description** :
 - Commissioning, start-up and operation for Water Treatment Plant which contains the following systems:
 - Ultra Filtration (UF).
 - Reverse Osmosis (RO).
 - Continuous Electrode ionization (CEDI).
 - Waste Water Treatment.
 - Sewage Treatment Plant (STP).
 - Fuel oil treatment plant.
 - Auxiliary Boiler.
 - Potable Water.
 - Chemical Additives for closed cooling Loops and Fin Fan Cooler.
 - Analyzing Samples from Various Sources (Pre-treatment water, Raw water, Demi water, Waste water, Boilers, Closed Cooling water and Lube Oil).
 - Calculate and reporting the rates weekly and monthly consumption of chemicals and compare the design.
 - Auxiliary Boiler and Fuel oil treatment plant Preservation.

Dates : From Sep. 2008 till Jan. 2015
Employer : Coca Cola Company
Project : Assiut Coca Cola Plant
Job title : Chemist
Job Description :

- Dissolving Sugar Unit.
- Water treatment Plant.
- Syrup Unit.
- Potable Water.
- Checking All Specification for Water and Syrup by Testing and Analysis Operational and Support.

Field of experience :

- Water Treatment Plant commissioning, start-up and operation, which contains these systems:
 - Automatic self-cleaning, Ultra Filtration (UF), Reverse Osmosis (RO), Continuous Electrode Ionization (CEDI).
 - Multi Media Filters, Ion-Exchanger (Resin), Waste Water Treatment, Neutralization System and Oil Separator.
- Sewage System.
- Condensate polisher plant commissioning and operation.
- Chlorination building commissioning and operation.
- Specifications Analyzing Samples from Various Sources (Pretreatment water, Raw water, Demi water, Waste water, Boilers, Closed Cooling water and Lube Oil).
- Chemical Additives for Closed Cooling Loops and Vin Fan Cooler.
- Combined cycle operation (HRSG).
- Chemical cleaning for HRSG's and BOP.
- Boiler Water Treatment.
- Sludge processes.
- Fast track project.
- Chemical injection skids operation.
- Hot Cleaning for Air Cooled Condenser (ACC).
- Potable Water system.
- Calculate and reporting the rates weekly and monthly consumption of chemicals and compare the design Support the project site commissioning activities in a destination plant.
- Execute the operation of chemical equipment.
- Timely report system running situation.
- Solve abnormal situations in the operation process.
- Boiler chemical dosing and blow down report according to the lab analysis result.
- Inspect the running equipment and record the relevant parameters, Perform various analytical testing to accurately assess the performance of the water treatment, steam cycle, circulating water, cooling tower, & other plant processes (where applicable).
- Adjust treatment chemical feed rates & perform various tasks as required to maintain critical parameters within specified ranges.
- Review operating logs and trends critical data to identify related chemistry problems and performance degradation trends as soon as possible. Identify, investigate, report on, and take proactive steps as required to address potential problems, deficiencies, and enhancement

opportunities.

- Inventories, orders, and receives chemical deliveries to ensure adequate supply at all times. Monitors chemical usage and investigates / reports abnormal usage patterns.
- Monitor various plant pond levels, perform analytical tests, and take required actions related to level management based on anticipated plant operation.
- Perform other tasks as required in support of departmental, and corporate goals and objectives.
- Perform work related to the operation and care of power plant equipment; perform related work as required.