

Holds B. Sc. in Chemistry and M. Sc. in Physical Chemistry. Has over 19 years of solid experience in Power Plant Operations and Chemistry. Successfully involved in commissioning and start-up of variety of water treatment systems and steam generators. Expert in high pressure boiler's & HRSG pre- and post-operational chemical cleaning. Has several years of local and overseas experiences in international companies.

PERSONAL DATA

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

EDUCATION

: B. Sc. in Chemistry, Cairo University, 2000
: M. Sc. in Physical Chemistry, 2009

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Basic and Site Specific Training on Thermal Power Plant Equipment, Systems and Application, conducted by Overseas Bechtel INC. (OBI), Cairo, Egypt.
: Site Training on commissioning and start-up conducted by WTD, Italy.
: Site Training on Boiler Alkaline Boiling Out and Acid Cleaning, conducted by Doosan, Korea.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2004 till now
Employer : Cairo Electricity Production Company (CEPC)
Project : Shoubra El-Kheima Thermal Power Plant 4x315MW
Job title : Senior Shift Chemist

Job Description :

- Responsible for operation of the water treatment plants; demineralizers, condensate polishers, waste water treatment, raw water pre-treatment, potable water, and liquid chlorine dosing systems.
- Performed the post operational chemical cleaning for natural circulation boilers.
- Monitor and maintained the chemistry of the STG's water/steam cycle to recommended limits and take necessary actions for any limit deviation.
- Maintain lubricant oil and EHC fluid quality for the steam turbine.
- Issued shift daily report, equipment breakdown maintenance work orders and take necessary countermeasures to rectify situation.
- Supervise water treatment operations staff and lab testing crew and providing necessary guidelines for successful reliable operations.
- Trained new hired employees and provided them with necessary coaching guidelines to prepare them to take over shift duties.

Dates : Apr. 2018

Project : Ayoun Mousa Power Plant

Job title : Chemical Cleaning Specialist

Job Description : Performed the operational boiling out and acid cleaning for 2 post operated natural circulation boilers 315MW.

Dates : Jun. 2017

Employer : MISCO

Project : Assiut El-Waledia Power Plant

Job title : Chemical Cleaning Specialist

Job Description : Performed the operational boiling out and acid cleaning for 2 post operated natural circulation boilers 315MW.

Dates : From Sep. 2013 till Aug. 2014

Employer : Daewoo Limited Co.

Project : Sur IPP, Combined Cycle Power Plant 5x250MW GT & 2x330MW ST - Oman

Job title : Start-up Chemical Engineer

Job Description :

- Responsible for commissioning, start up and operation of the 3 x 50 m³/hr Sea water RO, 2X85 m³/hr Brackish water RO, 2 x 35 m³/hr Ion Exchanger Mixed Bed, Remineralization potable water plant, Waste water treatment.
- Responsible for commissioning, start-up and operation of the 2 x 78 m³/hr 2000 ppm Hypochlorination plant (Severn Trent De Nora).
- Performed the pre-operational boiling out and acid cleaning for HRSG.
- Issued start-up filed reports and submitted to different commissioning and maintenance units.
- Monitor and chemically treat water/steam cycle for the HRSG and steam turbine.
- Monitor and maintain water/steam cycle on-line analyzers.
- Issued commissioning daily activity report, expedite commissioning plan milestone and report system's deficiencies.
- Supervise water treatment operations commissioning crew.
- Trained and local's employees and prepare them for take over plant

operations.

Dates : Sep. 2013
Employer : Aqua Para
Project : West Cairo Power Plant
Job title : Chemical Cleaning Specialist
Job Description : Performed the operational boiling out and acid cleaning for 2 post operated natural circulation boilers 315MW.

Dates : From Jun. 2010 till Mar. 2011
Employer : Daewoo Limited Co.
Project : Misurata Combined Cycle Power Plant 2x250MW GT & 2x250MW ST - LIBYA
Job title : Process & Start-up Chemist
Job Description :

- Responsible for commissioning, start-up and operation of the 90 m3/hr MED and its Auxiliary boiler.
- Responsible for commissioning, start-up and operation of the demineralizers, remineralization potable water blending plant and waste water treatment plant.
- Performed the pre-operational boiling out for Auxiliary boiler.
- Performed the pre-operational boiling out and acid cleaning for HRSG.
- Issued start-up filed reports and submitted to different commissioning and maintenance units.
- Monitor and chemically treat water/steam cycle for the HRSG and steam turbine.
- Monitor and maintain water/steam cycle on-line analyzers.
- Issued commissioning daily activity report, expedite commissioning plan milestone and report system's deficiencies.
- Supervise water treatment operations commissioning crew.
- Trained and local's employees and prepare them for take over plant operations.

Dates : From Mar. 2009 till May 2010
Employer : Daewoo Limited Co.
Project : AFAM-VI Combined Cycle Power Plant 4x125MW GT & 187MW ST - NIGERIA
Job title : Process & Start-up Chemist
Job Description :

- Responsible for the commissioning, start-up and operation of the underground Raw Water Pre-treatment system, demineralizers, Domestic Water and Waste water treatment.
- Performed pre-operational boiling out and acid cleaning for HRSG.
- Performed alkaline boiling out for Air Cooling Steam Condenser.
- Issued start-up filed reports and submitted to different commissioning and maintenance units.
- Monitor and chemically treat water/steam cycle for the HRSG and steam turbine.
- Monitor and maintain water/steam cycle on-line analyzers.
- Issued commissioning daily activity report, expedite commissioning plan milestone and report system's deficiencies.

- Supervise water treatment operations commissioning crew.
- Trained and local's employees and prepare them for take over plant operations.