

Holds a B. Sc. in Chemistry and a Diploma of Business Administration. Has about 28 years of professional experience in successfully commissioning, start-up, operation and maintenance at Sidi Krir Power Station Complex (combined cycle PP, oil fired plant).

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Chemistry, Alexandria University, 1987
: Diploma of Business Administration, Alexandria University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good
Greek : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Base & Programming Access and Visual Basic

TRAINING COURSES AND CERTIFICATIONS

: Start-up and Operation of MSF Desalination, Babcock & Hitachi.
: Start-up and Operation of Demineralization, EMITT.
: Start-up and Operation of Hypochlorite, NORA.
: Chemistry of combined cycle HRSG, NEM.
: Commissioning of Water & oil analysis laboratories, WDEPC.
: M.S.F & R.O and multi effect desalination units, WDEPC.
: Chemistry and Water treatment of power station, WDEPC.
: Abnormal operation condition of power plant, WDEPC.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2010 till now
Employer : West Delta Electricity Production Company
Project : Sidi Krir Power Station
(oil fired 2x320MW (SIEMENS), combined cycle 3x250MW)
Job title : Lead Plant Chemist
Job Description :

- Management and supervision of the plant water/steam cycle chemistry, cooling systems, water treatment operation and maintaining an effective liaison with the Plant Managers/Operation Engineers on over plant chemistry issues.
- Management of chemical laboratory activities according to standard Methods.
- Manage & perform periodic calibration of laboratory, portable instrument and online analyzers.
- Preparation of daily, weekly and monthly chemistry book orders based on water quality reports, water treatment systems performance & operation chemicals consumption.
- Manage the periodic sampling & testing of lubricants, oils used in the plant mechanical system.
- Train and develop other Chemists & technicians on best industrial practices related to oil and water chemistry schemes, sampling and analysis.
- Management and supervision the daily O&M activities of MSF desalination, demineralization water plant, potable water, SWAS systems, chemical dosing systems, condensate polisher system, sodium hypochlorite production, WWTP and CEMS system.
- Management of the plant chemistry for boiler and HRSG during restoration periods.
- Strong knowledge of international chemical handling, safety and best chemical practices, testing standards and guidelines such as ISO, NAS, OSHA, ASTM, IEC, EPRI, etc.
- Ensure All chemicals and other hazardous materials are safely handled and stored in accordance with company HSE guidelines and relevant local legislation.
- Extensive technical commercial experience in water chemical treatment resins, water desalination n, cooling water, boiler water, fire side and WWTP chemicals.
- Conduct research to develop new chemical products and processes.
- Participate in interdisciplinary research and development projects.

Dates : From Apr. 2008 till Aug. 2010
Employer : West Delta Electricity Production Company
Project : Sidi Krir CCPP 750MW
Job title : Commissioning Chemist
Job Description :

- Project chemical cleaning procedure Review, commenting and process operation site supervision.
- Commissioning and start-up of DM system WWTP and STP System Electro-chlorination Unit.
- Commissioning and start-up of Chemical dosing and Sampling system

SWAS.

- Commissioning and Water Wash Skid & Air Compressor Washing.
- Commissioning and start-up of chemical laboratory instruments & calibration of online analyzers.
- Commissioning and chemical treatment of Closed Cooling System for GT.
- Supervision and implement of HRSG lay-up after chemical cleaning and restoration periods.
- Supervise daily activities of units related to plant chemistry section.
- Define the operating parameters necessary to achieve optimum chemical conditions, both for current operation & to maintain the integrity of the plant over the longer term
- Control and manage the chemistry of HRSG water/steam, feed water, cooling water systems.
- Setup of the plant water /steam cycle chemical parameters and plant malfunction action levels.
- Analyze samples water/steam systems prior to start-up & during operation.
- Perform testing of lubricating oils and gas or liquid fuel.
- Management procurement all the required chemicals, tools and maintain the chemical inventory.
- HSE skills: Development and implement HSE plan for the chemical's activities in the site.
- Effectively scheduled and performed Site walk downs, inspections, evaluations and risk assessment on environmental and safety hazards of construction development and operational activities.
- Conduct research to develop new chemical products and processes.
- Participate in HAZOP, ENVID studies of the plant system of my scope.

Dates	:	From May 1996 till Mar. 2008
Employer	:	West Delta Electricity Production Company
Project	:	Sidi Krir Thermal Cycle Power Station 2x320MW
Job title	:	Site Commissioning Operation Chemist
Job Description	:	<ul style="list-style-type: none">• Management of water/steam cycle, and cooling water systems chemistry.• Water samples analysis of water/steam systems prior to start-up and during plant operation.• Reagents preparation & Calibration for laboratory and online analyzers.• Follow up Operation, maintenance and measuring performance for: Desalination MSF, DM, WWTP, CPP, chemical dosing, Hypochlorite systems, CEMS and SWAS periodic calibration.• Assist and train all plant operators regarding plant chemistry procedures and techniques.• Execute plant Lockout / Tag Out procedures (LOTO).• Ensure effective implementation of safety, O&M and approved SOP.• Identify publicities, safety services and secure working environment.• Perform the chemical cleaning for:<ul style="list-style-type: none">- Desalination plant (brine heater & heat recovery section).- Hypochlorite plant cells.- Heat exchangers of closed cooling.

- Maintain the waste outlet in the proper conditions according to the environmental law.

- Field of experience :**
- Expert in Management, Preparation and development of the Chemical Cleaning procedures and programmers of water / steam cycle, cooling systems, oil cycles, heat exchangers and plant chemistry activities and other corrosion protection tasks, commissioning, start-up and operation of power plant analytical chemistry laboratory instruments, online analyzers calibration, commissioning and operation of plant systems related to chemistry section such as WTP, DM, WWTP, MSF and RO desalination plants, chemicals dosing and sampling systems, condensate polisher system, Electro chlorination production.
 - Strong knowledge of international chemical handling, safety and best chemical practices, testing standards and guidelines (ISO, NAS, ASTM, VGB, JIS, EPRI).
 - Strong knowledge of OSHA standard, Development and implement HSE plan for the chemical's activities at the site.
 - Management of external consultant including noise, environmental impact.