

Holds a B. Sc. in Special Chemistry and has over 3 years experience in the water treatment field in O&M and Technical support for Reverse Osmosis, Sewage Wastewater and Industrial Wastewater plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/05/1995
Gender : Male
Marital Status : Single
Residence : Ismailia

EDUCATION

: B. Sc. in Special Chemistry, Suez Canal University, 2019

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Wave program for designing RO Plants
: Visio 2013

TRAINING COURSES AND CERTIFICATIONS

: Internship as Operation Engineer at SIEMENS Co. – Sewage Wastewater Treatment (Jul. 2019 – Sep. 2019).
: ICDL, Suez Canal University (SCU).
: Industrial Safety, Al-Arish - Cement Factory.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2022 till now
Employer : Hassan Allam Holding – INTECH
Project : Water and Wastewater Plants (Capacity 286000 M3/D & 55000 M3/D & 20000 M3/D Extended Aeration – ASBR – Oxidation Ditch)
Job title : O&M Engineer

Job Description :

- Conduct on Commissioning & Start up for wastewater plant.
- Conduct on Process Design of Wastewater Treatment Plants.
- Check and follow up all pipes - flanges – pumps – diffusers – screens – Vortex Chamber – Air Blowers – Generators.
- Follow up the operating condition for the plants to make troubleshooting.
- Conduct on Decanter Centrifuge for sludge Dewatering.
- Conduct on Disk Filter for Tertiary Treatment.
- Follow up chlorine injection system and adjust the regulator according to required Dose.
- Conduct on lab test such as MLSS – MLVSS – SVI – SV30 – COD – BOD – TSS – TDS – PH – DO – Microscopic.
- Adjust Q-RAS & Q-WAS – DO – F/M – SRT – SVI – Efficiency according to result lab.
- Make daily and Monthly Reports about the Technical Condition of the plants.

Dates : From Jul. 2021 till Jan. 2022

Employer : Maskoub International for Contracting, Cairo

Job title : Technical Support Engineer

Job Description :

- Visiting factories and making reports about the treatment plants in the factories and Process Flow Diagram to making process optimization to raise efficiency.
- Treating the industrial wastewater plants such as “paper & textile factories“, in addition to nickel and chrome factories.
- Conduct Optimization Operation for Plants.
- Communicate with suppliers of chemical companies to choose the best chemicals and the best price for treatment process.
- Communicate with suppliers of Antiscalant to choose the Best Type and Best suppliers for RO plants and conduct on making projection software for Antiscalant.
- Conduct commissioning works for STP and industrial wastewater plants and making start up for plants.
- R&D about the Best methods for water treatment process and best polymers for coagulation & flocculation process especially for industrial wastewater.
- Supervision on all the company's sites to ensure the technical quality of the Plants.

Dates : From Sep. 2019 till Jul. 2021

Project : RO Desalination Plants (Capacity 6000 M3/D)

Job title : Operation Engineer

Job Description :

- Follow up all parameters of the BWRO Plants.
- Conduct and Follow up competency Birm filters and sand filters and Calculate the filters efficiency.
- Preparation and follow up calcium hypochlorite dosing of feed and permeate water for disinfection and (caustic soda, soda ash, calcium hydroxide “hydrated lime“, sodium bicarbonate) to adjust PH.
- Preparation and follow up SMBS dosing of feed water before Cartridge

Filters to make a reduction of all free chlorine.

- Conduct jar test for aluminum sulfate to determine the best dose and some chemical analysis.
- Conduct Antiscalant projection software then apply it to the plant.
- Adjust chemical dosing according to the required dose based on water analysis.
- Calculate the dosing pump deviation percent of required chemicals consumption.
- Conduct flushing for RO membranes during plant stoppage, and preservation with SMBS Solution.
- Measure the SDI for Cartridge Filters and sand Filters.
- Measure LSI for permeate water to decrease the corrosion or the scaling.
- Conduct chemical cleaning for physical fouling and chemical fouling "scaling" & organic fouling.
- Conduct the probing test and flow test.
- Calculate recovery, salt rejection, salt passage, concentration factor, flux, plugging factor.
- Calculating high pressure pump hydraulic power, high pressure pump efficiency, Turbo efficiency.
- Calibration of all measuring devices "HANNA".
- Conduct Data Normalization for the plant.