

RESUME

POSITION APPLIED: SAFETY, HEALTH & ENVIRONMENTAL OFFICER



MOHD ADHA BIN SAAD

Contact Info

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Personal Particulars

Age : 27 years old

Date of Birth : 04 August 1987

Nationality : Malaysian

Gender : Male

Marital Status : Single

Health : Excellent

Height/Weight : 176cm / 74kg

IC No. : 870804-23-5489

Educational Background

Highest Education

Level : Master of Science in Safety, Health and Environment.

Major : Chemical Process Safety.

Institute/University : Universiti Teknologi Malaysia, Skudai.

Second Higher Education

Level : Bachelor of Engineering (hons) in Chemical and Process

Major : Environmental Engineering.

Institute/University : Universiti Teknologi MARA (UiTM), Shah Alam.

Competency and Certification

Safety & Health Officer Certificate - NIOSH

Competent Person for Authorized Entrant & Standby Person for Confined Space - NIOSH

Emergency Response Team and Fire Fighter – Approved by Fire Department

Safe Work in Hot Work, Chemicals, and Emergency Response – NIOSH

Basic First Aider – Malaysia Red Crescent Society

Managing Contractors Safety and Health Performance Effectively – MEF

Chemical Spillage Response Training – Chemical Industries Councils of Malaysia

Understanding of DOE and DOSH Requirements – Naga Chain Management Sdn Bhd

Professional Skills

- ✚ Strong computer skills, results driven & aggressive with high personal and career goals.
- ✚ Excellent interpersonal skills with people from all levels of corporate management.
- ✚ Proficient in Microsoft Word, Excel and PowerPoint.
- ✚ Able to quickly adapt to new situations and systems.
- ✚ Able to work independently with minimum supervision.

Employment History / Internship

1) SHE Officer at Petrochemicals (M) Sdn Bhd

Date Joined : July 2012 until present

Responsibilities & Tasks :

- ✚ Provide management advice on regulatory SHE Compliance and effective implementation of company safety policy, procedures, work instructions and others.
- ✚ Develop and coordinate relevant and appropriate program, strategy and overall SHE plan to improve and sustain SHE performance within the staff and contractors.
- ✚ Monitor and analysis SHE performance as per Malaysian regulations and management system.
- ✚ Facilitate incident investigation and provide incident analysis ensuring compliance to both and regulatory standards.
- ✚ Resource to site inspection visits, audits (internal & external) and other safety related inspections.
- ✚ Assess and monitor functioning of ISO 14001 and OHSAS 18001 requirements to sustain accreditation.
- ✚ Manage, monitor, update and review when necessary:-
 - CIMAH assessment report for CIMAH Regulations 1996 compliance.
 - Safety report such as Chemical Health Risk Assessment (CHRA), Chemical Exposure Monitoring, Noise Exposure Monitoring, Local Exhaust Ventilation (LEV) Monitoring and Indoor Air Quality (IAQ) Monitoring.
 - HIRARC register.
 - Safety & Health Committee.
 - Chemical Safety Data Sheet (CSDS), Chemical Register and Chemical Handling Procedures.
 - Unfired Pressure Vessel (UPV) Management – Risk Based Inspection (RBI); Thickness Check, Corrosion Rate & Nominal Remaining Life for extension application to DOSH.

- Emergency Response & Preparedness (ERP) Manual and Procedure.
- Permit to Work (PTW) system.
- Environment Impact Assessment (EIA) report.
- Environment Aspect Impact register.
- Environment Scheduled Monitoring as per EIA requirement and equipment's Written Approval from DOE.
- Scheduled Waste Management as per DOE requirements.
- Health surveillance analysis and performance.
- Audiometric Testing Program
- Ergonomic matters.

✚ Liaise with related authorities such as DOSH, DOE, BOMBA, PBT and others regarding SHE issues.

✚ Prepare and monitor SHE budget & expenses and analysis for future improvement.

2) Wastewater Treatment Plant Leader at Rikevita Malaysia Sdn Bhd

Date Joined: Jan 2011 until April 2012

Responsibilities & Tasks :

- ✚ Responsible to run wastewater treatment plant under own supervision.
- ✚ Conduct the COD and TSS testing on working shift basis.
- ✚ To collect the influent flow charge data for optimum chemicals used and to make sure the effluent final discharge is compliance to Standard B as stipulated in EQA1974.
- ✚ Make a jar test for any offset operation that result the effluent discharge not in conformance standard.
- ✚ Monitor and manage utility chemicals, diesel consumption, and produce monthly report on WWTP operation.
- ✚ Submit the effluent quality data to DOE monthly as the compliance to EQA1974.
- ✚ To make the internal audit for ISO141001 annually.
- ✚ Establish preventive maintenance system for UPV and blower system at WWTP to ensure reliable continuous operation for aerobic condition.
- ✚ Participate in problem solving & decision making task by defining problems & evaluating options to eliminate the root cause on repetitive or abnormal failure equipment.

3) Student Training at Department of Environmental, Johor

Date of started/ended: Jan 2010 until April 2010

Research Interest

| Project / Thesis | Description |
|--|---|
| <ul style="list-style-type: none"> ● Thesis of Master Chemical Health Risk Assessment at Polymerization Plant and Comparison of Styrene Exposure for Production Operator and Non-Operator at Petrochemicals (M) Sdn Bhd. | As Stipulated in OSHA1994, USECHH 2000 Regulations, an assessment of chemicals hazardous to health shall be carried out 2 years consecutively. As such, styrene is the main chemicals used in polymerization at Petrochemicals (M) Sdn Bhd have been assessed in several ways; its exposure degree towards human ingestion and inhalation, control adequacy and further recommended control measures. |

| | |
|---|---|
| | Besides, the health record towards employees has been analyzed in order to investigate the interaction between quantity of exposure and carcinogenic tumor marker. |
| ● Process Safety for Master Project The Advantages and Benefits of Risk Based Inspection (RBI) Implementation in Petrochemical, Oil and Gas Industries. | Costing is the crucial part of business growth strategy. As such, time of operation with intermittent breakdown is considered as losses of money, in term of production delay. As required by FMA1967, all pressure vessel shall be opened and inspected for 15 months via its valid CF. Thus, to ensure the vessel integrity in term of remaining life due to corrosion, a thorough scheme of inspection shall be apply to DOSH to extend the CF up to 51 months. |
| ● Bachelor's Degree Thesis Development of Palm Oil Based Sol-Gel for Corrosion Protection | The aim of this research is to study the way of bio-based sol-gel for multi-purposes, which ultimately used for corrosion protection with regards with several factors; the cost of preparation and development, the environment-friendly used, and the beneficial of this method for growth the Malaysia's palm oil market |
| ● Design Project / EIA Project Design of Municipal Wastewater Treatment Plant by Using Reverse Osmosis (RO) Technology for 200,000 PE in Rawang Residential Area. | On this design project, the safety, environments, mechanical, chemical and economic factors were considered in developing first RO plant in Malaysia. |
| ● Chemical Process Control Analysis. The Effect of Various Tuning Rules for Setpoint 8 psig and 16 psig for PIC92 (Pressure Controller) | On this project, the rules and knowledge of process control principle was applied and the software of machines used are Emerson and Foxboro. |

Software Skills

| Skills | Proficiency |
|--------------------------------------|--------------|
| Microsoft Office, Excel, Power Point | Excellent |
| MATLAB | Good |
| HYSIS | Good |
| Process Control (Emesson, Foxboro) | Good |
| AutoCAD | Good |
| C++ | Intermediate |

Languages

| Language | Spoken | Written |
|-----------------|-----------|-----------|
| Bahasa Malaysia | Excellent | Excellent |
| English | Excellent | Excellent |
| German | Beginner | Beginner |

Co-curricular Activities

Universiti Teknologi MARA, Shah Alam

- Dec 2006 – Dec 2007 : Committee of Chemical Engineering Student Society (ChESS)
Faculty of Chemical Engineering
- 21 August 2006 : Faculty of Chemical Engineering Challenge Sport
Participant (Athletics)
- 21 – 23 Sept 2006 : Participant, National Chemical Engineering Symposium (NACES)
Organized by University of Technology Petronas
- 24 March 2007 : Chemical Engineering Quiz Program
Committee member in charge
- 15 August 2008 : Participant in German Language Inter-faculty Quiz Competition

Perak Matriculation College

- 25 – 27 Dec 2005 : Participant, Program Jati Diri & Kecemerlangan Akademik
Organized by Ministry of Higher Education Malaysia

SMK Seri Perling 2, Johor Bahru / SMT Dato' Lela Maharaja, Rembau

- 2000 - 2004 : Participant in cricket competition in the school (2001)
Member of Kadet Remaja Sekolah (2001-2003)
Member of Kadet Pertahanan Awam (2003-2004)

Miscellaneous

- Availability: Immediately after 1 month notice issuance.
- Expected Salary: RM5,500 (Negotiable).

References

1. Nakharudin Yaakob

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Petrochemicals (M) Sdn Bhd,
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2. Associate Prof. Dr. Mohd Ariffin bin Abu Hasan

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3. Associate Prof. Ir. Dr. Zaki Zainudin

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