

Meet Our Trainer:



**En. Khairuddin
B. Mohd Piah
CEng, MIChemE
TTT 4952**

- 40 substantial years of experience in technical and operating oil refining and chemicals business .
- A Chartered Engineer and a Member of the Institution of Chemical Engineers UK.
- Expert in process safety management, operational excellence improvement, behavioral safety (RCA & Causal Factors).
- DOSH-registered CIMAH Regulations Competent Person (OKMH 171).

Training experiences:

- ✓ OIMS Assessment for Assessors
- ✓ Safety in Process Design
- ✓ Operating Procedures
- ✓ Process Safety Aspects
- ✓ Felt Leadership Workshops
- ✓ Process Safety Leadership Workshops
- ✓ IChemE Fundamentals of Process Safety
- ✓ Process Safety Management Training
- ✓ PHA/HAZOP Training



Course Fee:
RM 1,800.00/pax
(exclude SST 8%)
SBL Khas Serial
No: 10001265227

**10 CEP
POINTS**

Scan to Register



(THE ENVIRONMENTAL SPECIALIST WITH MS ISO 9001:2015 & ISO 14001:2015 CERTIFICATIONS).

Safe Operations Training: Hazardous Chemicals – Hydrogen Sulphide, The Silent Killer

Hazardous chemicals pose safety and health risks to employees in the workplace. They are termed as hazardous either because they are toxic, flammable, highly reactive or explosive.

Hydrogen Sulphide (H₂S) is a hazard to both human health and equipment integrity. Inhalation of H₂S at high concentrations can kill humans instantly. It is a neurotoxin which when inhaled attacks the central nervous system causing the exposed person to stop breathing. Wet H₂S is highly corrosive and attacks most metals and therefore is a threat to equipment integrity.

The source of H₂S is sour crude oil which contains sulphur. In the process of refining the crude oil which typically involves removal of the sulphur, H₂S gas is produced. It exists almost everywhere in a refinery process unit, chemical processing and gas plants where sulphur is present. The only difference is whether it is in high or low concentrations. In non-processing facilities such as public utility systems, H₂S may be present in sewer or sewage systems.

Learning Outcomes:

- ✓ Understand what hazardous chemicals are
- ✓ Understand the properties of Hydrogen Sulphide
- ✓ Understand the health and safety risks of Hydrogen Sulphide
- ✓ Understand sources of Hydrogen Sulphide in the oil and gas industry
- ✓ Understand exposure limits of Hydrogen Sulphide
- ✓ Understand and able to apply concepts of Hydrogen Sulphide Management
- ✓ Understand and able to apply concepts of emergency response for Hydrogen Sulphide

Methodologies:

- Lecture
- Professional coaching & guidance
- Group discussions
- Question & answer sessions
- Group problem-solving

Who Should Attend:

- Managers, Supervisors and Operators, Safety Personnel
- Engineers and Early-career Professionals
- HR and anyone who would like to develop an understanding of hazardous materials

Course Content:

DAY 1

- Introduction :
 - Definitions of Hazardous Chemicals/Materials
 - Malaysian Laws & Regulations on Hazardous Chemicals
- Hazards Recognition & Identification Tools
- Hazards & Effects Register
- H₂S Fatality Statistics & Incidents

DAY 2

- Hydrogen Sulphide (H₂S)
 - ✓ Properties of H₂S
 - ✓ Hazards of H₂S
 - ✓ Exposure limits of H₂S
 - ✓ Sources of H₂S
- H₂S Management - Controls and Procedures
- Identification & Demarcation of H₂S Areas
- Initial & Refresher Training on H₂S
- Emergency Response Plan
- Case Study : H₂S Release Incident

Course Date:

No.	Date*	Location
1.	28 - 29 January 2024	ECRO, Kemaman
2.	06 - 07 May 2024	PLASMA, S2
3.	21 - 22 July 2024	ECRO, Kemaman
4.	14 - 15 October 2024	PLASMA, S2

*Updated as of October 2023.
Subject to change.

Airwastewater Management Sdn Bhd (200701021637)
No. 154, Jalan S2 B5, Seremban 2, 70300 Seremban,
Negeri Sembilan DK.

Tel: 06-6013126 Fax: 06-6017127 HP: 011-53303881/882

Email: airwastewater@awwam.com / csd@awwam.com

Website: www.awwam.com

Safety First

Be aware Take care

**REGISTRATION FORM**

Please tick (/) the topics to register, fill-up the selected course date (refer to brochure) and other informations.

REGISTRATION FEE				
Tick (/)	TOPICS	COURSE FEE (PER PAX)	SST (8%)	NET REGISTRATION
<input type="checkbox"/>	Safe Operations Training: Hazardous Chemicals – Hydrogen Sulfide, The Silent Killer (2 Days) SBL Khas Serial No: 10001265227 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Safe Operations Training: Hazardous Chemicals – Laboratory Safety Training on Mercury, Sulfuric Acid and Caustic Soda (2 Days) SBL Khas Serial No: 10001264259 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Process Safety: Hazard Identification (HAZID) Training Course (2 Days) SBL Khas Serial No: 10001263863 Course Date & Location (please fill-up) :	RM1,800.00	RM144.00	RM1,944.00
<input type="checkbox"/>	Process Safety Management – Fundamentals for Engineers & Supervisors (3 Days) SBL Khas Serial No: 10001265231 Course Date & Location (please fill-up) :	RM2,700.00	RM216.00	RM2,916.00

Meal Preference:

Non-Vegetarian

Vegetarian

PAYMENT METHOD

<input type="checkbox"/>	Cheque	Pay to	: Airwastewater Management Sdn Bhd
<input type="checkbox"/>	Interbank Giro/Online Banking	Bank	: Affin Islamic Bank Berhad
<input type="checkbox"/>	HRDC SBL-Khas	Bank Account No	: 10-524-000486-8
		Swift Code	: AIBBMYKL
		Company No	: 779652-U
		Please send proof of payment to csd@awwam.com / finance@awwam.com	

APPLICANT'S INFORMATION

Name	:	NRIC	:
Designation	:	HP/Phone No	:
Company Name	:	E-Mail	:

BILLING DETAILS

<input type="checkbox"/>	Self-Sponsored	<input type="checkbox"/>	Company Sponsored
Company Name	:		
Mailing Address	:		
Contact Person	:	Company Stamp:	
Designation	:		
Phone No	:		
E-Mail	:		
Date	:	Authorised Signature :	

TERMS & CONDITIONS

- Fees are inclusive of course materials, meals and refreshments.
- Registration can be made by sending registration form via email to csd@awwam.com or fax to 06-6017127.
- Payment shall be made within 14 days from the date of invoice or at latest 3 days before the course start; OR approved HRD Corp Grant shall be submitted to AWWAM within 14 days from the date of quotation or at latest before the course date.
- Registration of participants will be confirmed upon receipt of full payment OR approved HRD Corp Grant by issuance of confirmation letter by AWWAM.
- Certificate of attendance will be issued upon attendance and completion of the course; and (for SBL-Khas) upon receipt of the signed copy of HRD Corp JD14 form.
- Participant/PIC shall undertake to pay the course fee if payment/Grant claim issue arise for whatever reason within 7 days after completion of the course.
- You have read the terms and conditions above and by signing this form, you expressly agree and consent to the use, processing, disclosure and transfer of your personal data by AWWAM for this registration and future communications including marketing and promotion purpose. Should there be a need to retract your consent, you shall write a notice to AWWAM to cease the processing of the personal data.