

# CHEMICAL MANAGEMENT & EMERGENCY SPILL CONTROL TRAINING



**AM SALES & MARKETING SDN.BHD.**

**AM**

## CONTENTS

- ✓ **Corporate Profile**
  - ✓ **Highlights**
    - ✓ **Details**
      - ✓ **HRDF**
        - ✓ **Agenda**
          - ✓ **Photo Gallery**
            - ✓ **Speaker's profile**
              - ✓ **Certificate Sample**
                - ✓ **Recognition**

# Chemical Management & Emergency Spill Control Training

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## CORPORATE PROFILE

### Who is AM SALES?

AM SALES & MARKETING was established in Malaysia in 1987. We are ISO 9001:2000 certified company specializing in the sales and services of a variety of industrial occupational health & environmental safety products, industrial abrasive, power tools, tapes, and adhesives.

With our tag line “Your Industrial Solution Provider”, nothing matters more to us than providing solutions to our customers. Our professional team members are coming from Board of Engineers Malaysia (BEM), Institution of Engineers, Malaysia (IEM), American Industrial Hygiene Association (AIHA), Malaysia Industrial Hygiene Association (MIHA), NIOSH Course Safety Officers, etc.

### Our Commitment & Promise

- ✓ Provide excellent quality products and services
- ✓ Meet customer requirements and satisfaction
- ✓ Continuous improvement

### Our OHES Services

- ✓ Training provider (safety product, safety awareness, **chemical management**, first aid, etc).
- ✓ Walk through survey and risk assessment
- ✓ Consultation and solution provider
- ✓ Safety proposal.
- ✓ Demonstration and product evaluation.

### Our OHES Products

Authorized distributor: 3M™ & Best® Glove

- ✓ Personal protective equipment (PPE)
  - Head to foot protection
- ✓ Spill clean-up sorbent and other equipments
- ✓ Signage, emergency shower, anti-slip product, etc



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## HIGHLIGHTS

- 1) **FULLY REFUNDABLE**  
*(HRDF certified training provider)*
- 2) **FULFILLMENT OF ISO14001:2004 & OHSAS 18001:2007 REQUIREMENTS**  
*(Act in accordance with international standard)*
- 3) **HIGH INVOLVEMENT OF PARTICIPANT**  
*(Exercise, case study, group discussion & drill)*
- 4) **WORKPLACE ASSESSMENT (2 Hours)\***  
*\*(On top of the training hours, only entitled to Klang Valley customers)*
- 5) **30% DISCOUNT FOR 3M™ CHEMICAL SPILL KIT**  
*(Only entitled for training purpose)*
- 6) **INTEGRATE COMPANY PROCEDURE INTO TRAINING**  
*(Session to get through and relook at the ERP)*
- 7) **PRACTICABILITY**  
*(Realistic, practicable & assemble user comments)*
- 8) **SIMULATION & DRILL**  
*(2 Scenarios of emergency spill)*
- 9) **COMPREHENSIVE MODULE**  
*(Overview of chemical management & emergency response plan)*
- 10) **BROAD & IN-DEPTH EXPERIENCE**  
*(More than 8 years training experience across various industries)*

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## DETAILS

### 1) Course Overview

Chemical Management and Emergency Spill Control Course is a 1 full day training program. It is specially designed to educate and disseminate ideas to the chemical users, emergency response committee members and layperson on the chemical management and emergency spill control.

### 2) Objectives of the course

Upon the completion of the course, participant should be able to:

- ✓ Identify the chemical hazards at their workplace
- ✓ Understand the safety requirements in handling chemicals
- ✓ Have awareness of their roles in the emergency response plan
- ✓ Develop a comprehensive emergency response plan
- ✓ Take correct action during the occurrence of emergency

### 3) Why the training is required?

- ✓ To comply with legal, safety and international requirements (e.g. ISO 14001:2004 & OHSAS 18001:2007)
- ✓ To build up a trained emergency response team
- ✓ To raise safety awareness among the worker in line to minimize the occurrence of incident
- ✓ To develop a safe environment and culture at the workplace

### 4) Who should attend the course?

- ✓ Representatives from each department, especially chemical department
- ✓ OSH Coordinator
- ✓ Emergency response team members
- ✓ Spill response team members
- ✓ Safety and health committee members
- ✓ All level of workers and interested individuals

### 5) How many participants in a session?

Having 12~25 participants would ensure the effectiveness of the class.

## DETAILS

### 6) How does the training approach?

- a) Workplace assessment (additional service)
- b) Theoretical session
  - Presentation and experience sharing
  - Exercise, case study and group discussion
  - Quiz and assessment
  - Video
- c) Practical session (simulation and drill)
- d) Review/ Q&A session

### 7) How does the workplace assessment being carried out?

Walk through the plant and undergo assessment on the existing procedure and system simultaneously to collect relevant information. Some photos will be taken during the assessment and it will be used for training purpose only.

### 8) What should be prepared for the training?

- a) Training facilities and equipments:
  - Training room (be able to sit in 12-25 people)
  - LCD projector
  - Laptop speaker
  - White board
  - White kraft paper
  - Stationary
- b) Chemical information (to be prepared prior to the workplace assessment)
  - MSDS (5 most significant chemical)
  - Chemical register list
  - Emergency response plan (Organization chart for emergency committee)
  - Standard procedure of ISO 14001:2004 or OHSAS 18001:2007
  - Safety and health policy
  - CHRA report, chemical monitoring report, medical surveillance report or other relevant document.

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## DETAILS

### c) Spill clean-up equipment

- Spill kit (e.g 3M™ C-SKFL 31)- 2 sets min
- Chemical suit/ Coverall (e.g MG 3000)- 3 sets min
- Respirator (e.g. 3M™ 6800 full facepiece with relevant cartridge)- 3 sets min
- Glove (e.g. BEST® 730 Nitrile Gloves)- 3 sets min
- Safety boots/ Chemical resistant safety shoes- 3 sets min
- Disposal drum/ Container/ Bags- 1 set min
- Others (e.g. Barricade tape, warning signage, safety cones, blower, lockout/ tagout system, fire extinguisher, SCBA, MSDS or CSDS, first aid supplies, etc).

### d) Other preparation for practical session

## 9) Certificate

Participants should complete the course, especially involve themselves in the practical session and pass minimum 80% of theoretical assessment in order to be awarded with certificate. Certificate of proficiency is only valid for 2 years from the date of training.

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## HRDF

### What is Human Resources Development Levy?

The **mandatory payment** imposed by government on specified groups of employers for the purpose of employee training and skills upgrading. Under the law, employers are liable to pay a levy for each working **employee at the rate of 1.0% of the monthly wages of the employee**. However, the fund can be **claimable by conducting the training to the employees**.

### How to apply?

- 1) Fill up form PSMB/PGL/1/09 or thru Employer Information System (EIS)
- 2) Attach the following supporting documents: Quotation on course fee, trainer biodata, course contents and other related documents, where applicable.
- 3) Submit the duly completed form to PSMB before the commencement of training. ( Application form must reach PSMB at least one (1) day before training commences)

### How to claim?

- 1) Fill up form PSMB/T/1/09
- 2) Attach the following supporting document: Receipts, payment vouchers and other related documents, where applicable.
- 3) Submit the duly completed claim form to PSMB upon the completion of training for reimbursement.

### What to Claim?

Under SBL Scheme, employer is entitled to claim for below expenses:

- 1) Course Fee- Max RM 3500 per day
- 2) Meal allowance for trainee(s) & external trainer
- 3) Consumable training material
- 4) Daily allowance (for trainee(s) from branches)
- 5) Daily allowance (for external trainer from Sabah/ Sarawak to Peninsular Malaysia and vice-versa)
- 6) Air Ticket (for trainee(s) from branches)
- 7) Air Ticket (for external trainer from Sabah/ Sarawak to Peninsular Malaysia and vice-versa)

\* You may search for details at <http://www.hrdf.com.my>.

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## AGENDA

TIME	TOPIC	PREPARATION
8:45am-9:00am	Registration and setting	Attendance list, LCD projector, laptop speaker.
9:00am- 9:15am (15 Min)	Introduction	LCD Projector, laptop speaker.
9:15am –10:00am (45 Min)	Chemical hazards, risk assessment & control measure I - Hazard recognition and risk evaluation - Exercise	LCD Projector, laptop speaker.
10:00am - 10:15am (15 Min)	Tea Break	
10:15am -11:15am (1 Hr)	Chemical hazards, risk assessment & control measure II - Chemical control measure - Case study and group discussion	LCD Projector, laptop speaker.
11:15am – 12:00pm (45 Min)	Emergency spill management - Categorization of Emergency - Emergency response organization - Emergency response plan and procedure	LCD Projector, laptop speaker.
12:00pm-1:00pm (1 Hr)	Lunch	
1:00pm-1:30pm (30 Min)	Exercise and group discussion * Get through and comprehend the existing plan * Establishment of emergency response team and delegate the job for each member. * Draft out an emergency response plan	LCD Projector, laptop speaker.



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## AGENDA

TIME	TOPIC	PREPARATION
1:30pm-2:00pm (30 Min)	Emergency spill management - Spill control - Video	LCD Projector, laptop speaker, MSDS.
2:00pm-2:45pm (45 Min)	Exercises and group discussion	LCD Projector, laptop speaker, MSDS.
2:45pm- 3:00pm (15 Min)	Quiz	
3:00pm- 3:15pm (15 Min)	Preparation for spill	Spill Clean-up Equipment, sorbent
3:15pm-4:00pm (45 Min)	Practical-Scenario 1 Simulation using plain water. Short discussion	Spill Clean-up Equipment, sorbent
4:00pm- 4:45pm (45 Min)	Practical-Scenario 2 (select one of below options)  <i>1<sup>st</sup> Scenario</i> Forklift pierce through chemical drum  <i>2<sup>nd</sup> Scenario</i> Two carboys topple from a trolley Option: Spill causes fire?  <i>3<sup>rd</sup> Scenario</i> A carboy topples from a trolley and the chemical splashes to the handyman (involves first-aiders)	Forklift, clean drum, clean-up equipment  2 clean carboys, trolley, clean-up equipment  Carboys, trolley, clean- up equipment
4:45pm-5:00pm (15 Min)	Review and Q&A	



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## SPEAKER'S PROFILE

**Ir. Kim Kek Seong, P.Eng, MIEM**

**Tel:** (+603) 6157 8822

(+6) 012-516 6106 (HP)

**Email:** kim@amsales.com.my



### ***Intro:***

Ir Kim is a Chemical Engineer by profession and had since his graduation joined the workforce with specialization in plant operation & safety. He further earned himself extensive hands-on experience via various on site projects. Ir Kim continues to develop his skills and understanding of a total plant safety framework by setting his foot in a plant designing company.

Before his current assignment, Ir Kim was attached to the 3M Occupational Health & Environmental Safety Division Specialist for several years with specialization in Respiratory, Hearing, Head & Eyes protection products and programs. Over the years, he has enriched himself with vast experiences focusing in the implementation of emergency spill response and welder protection programs. Ir Kim is also trained in industrial hygiene sampling devices & relevant regulations on ESH.

Ir Kim was the leading project manager overseeing the transfer of an electro-chemistry plant from Netherland to China. His main responsibilities include the integration and implementation of work safety elements into the work processes as the plant was relocated. The technology transfer program was completed successfully and had since launched its first production line.

At present, Ir Kim is driving the Occupational Safety & Health division in AM Sales & Marketing, a total safety and health solution company with the vision of creating a SAFE & CONDUCIVE working environment to everyone.

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## SPEAKER'S TRAINING RECORDS

Speaker : Ir. Kim Kek Seong  
Training Sessions Given : 671 Sessions\*  
Companies Being Trained : 201 Companies\*

### Types of Trainings:

- Chemical Management & Emergency Spill Control
- Hazardous Spill Response
- Hearing Protection
- Industry Safety Awareness
- Respiratory Protection
- Welding Safety

\* Training records up to 30 June 2011.

AMM

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## PHOTO GALLERY



**Workplace assessment:** Study the MSDS and discuss on the hazard of the workplace.



**Workplace Assessment:** Walk through the chemical storage area and understand the existing control measure.



**Workplace assessment:** Chemical storage for flammable material.



**Workplace assessment:** Chemical storage at waste water treatment plant.

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## PHOTO GALLERY



**Classroom training:** Trainer was presenting the safety requirements to the attendees.



**Classroom training:** The participant presented the outcomes and findings of the discussion.



**Classroom training:** Participants was listening to the presentation.



**Classroom training:** Group discussion and exercise.

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## PHOTO GALLERY



**Practical session:** Simulation of oil spillage incident.



**Practical session:** Simulation of chemical spillage incident.



**Practical session:** Simulation of transferring of the chemical.



**Practical session:** Spill response team was cleaning up the spillage by using sorbent.

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## PHOTO GALLERY



**Practical session:** Seal the incident compound to avoid people from entering the hazardous area.



**Practical session:** Spill response team contained the spill to prevent the spill from spreading further.



**Practical session:** Simulation of acid spillage incident which involving victim.

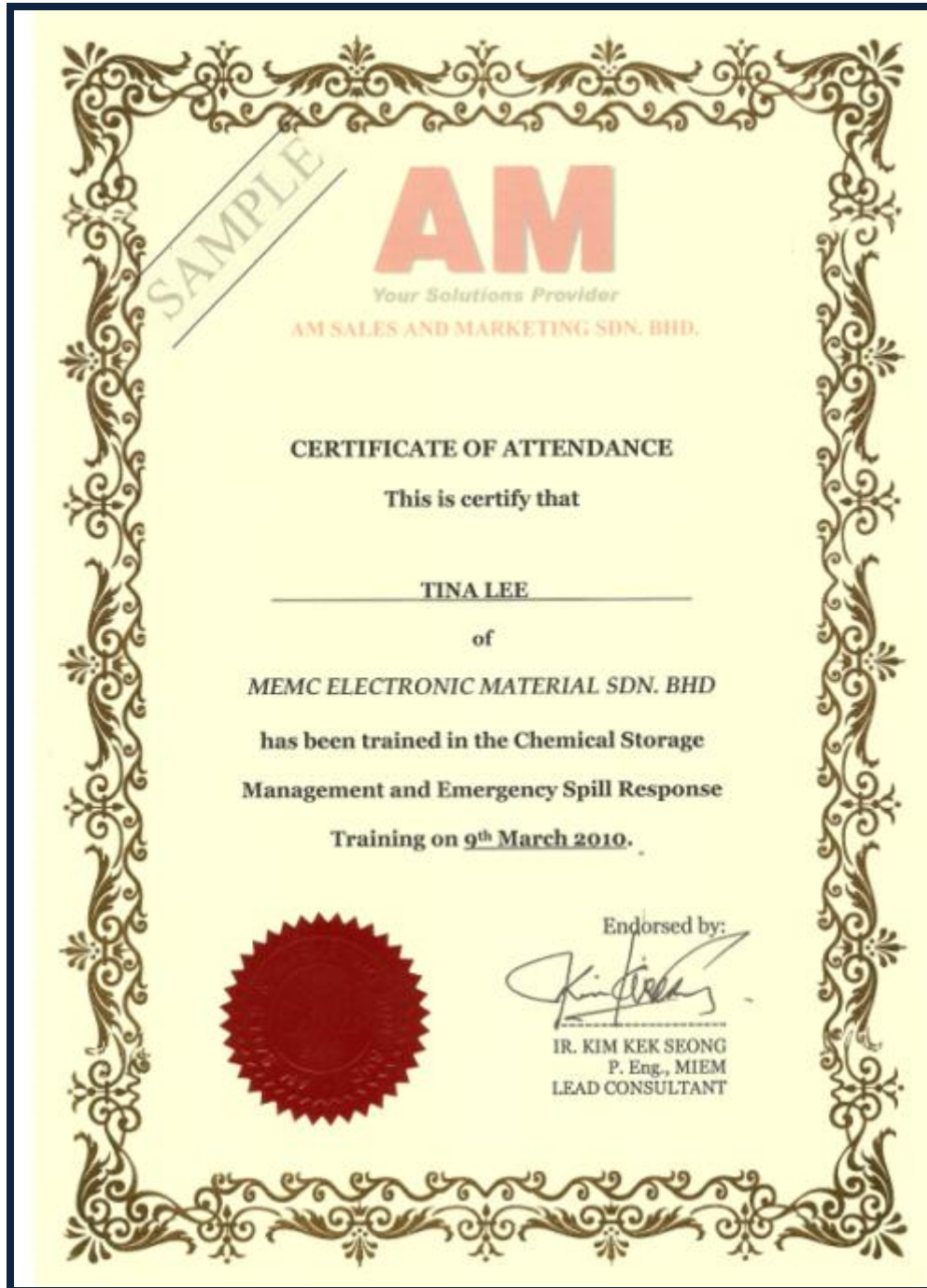


**Review and discussion:** Relook at the spill response action and assemble comments for improvement.

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## CERTIFICATE SAMPLE



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## RECOGNITION

		No Siri : 1695		
		<b>SIJIL PENDAFTARAN PENYEDIA LATIHAN</b> AKTA PEMBANGUNAN SUMBER MANUSIA BERHAD, 2001		
<b>AM SALES &amp; MARKETING SDN BHD (251858-M)</b> NO.23 & 25, JALAN PJU 5/13 DATARAN SUNWAY, KOTA DAMANSARA 47810 PETALING JAYA, SELANGOR				
adalah dengan ini didaftarkan sebagai penyedia latihan di bawah Kumpulan Wang Pembangunan Sumber Manusia mengikut kelas pendaftaran dan untuk melaksanakan Skim-Skim Latihan seperti di bawah :-				
Kelas Pendaftaran		Skim-skim Latihan Yang Dibenarkan	Disahkan Oleh	
Kategori	Tarikh Diluluskan			
B	18/01/2011	17/01/2012	SBL	
-	-	-	-	
-	-	-	-	
Mengikut syarat-syarat seperti berikut :-				
Kategori Pendaftaran	Skim-skim Latihan Yang Dibenarkan			
A	Penyedia Latihan boleh melaksanakan Skim PROLUS (termasuk E-Learning)/PERLA/SBL/SBL-KHAS/Skim Perantisan			
B	Penyedia latihan hanya dibenarkan untuk melaksanakan Skim PROLUS(Peringkat Sijil Kehadiran-Soft Skills)/SBL / SBL- KHAS sahaja			
B (HOME OFFICE)	Penyedia latihan hanya dibenarkan untuk melaksanakan Skim SBL / SBL-KHAS sahaja			
C	Penyedia latihan hanya dibenarkan untuk melaksanakan Skim SBL sahaja			
18 MAR 2011 Tarikh Dikeluarkan		 Timbalan Ketua Eksekutif Pembangunan Sumber Manusia Berhad		