

CHEMICAL SPILLAGE AND HANDLING
02-03 MAY 2019 (THURSDAY-FRIDAY), 9.00 AM – 5.00 PM
@ Hotel Equatorial Penang
1, Jalan Bukit Jambul, 11900 Bayan Lepas, Penang.

Overview:

Chemicals are now considered as a necessity in our daily life. In particular, we are likely to be exposed to hazardous chemicals, especially at our workplace. Typically, Scheduled wastes are generated from the chemicals, chemicals containers, chemical stains & sub-product/process generated.

Based on the current OSHA 1994 and Environmental Quality Act 1974 and its related-regulations they clearly stated that the employees have the 'right-to-know' on chemicals used & scheduled wastes generated, the hazard/risk posed to them, identify the point of use /discharge & how to handle them. Employees are required to interpret the contents of Safety Data Sheet (SDS)– This training will enable the participants on how to further improve on chemical safety, fully understand and knows how to response to daily and emergency situations.

Target Group:

Chemical Handlers, Safety & Health Officer, Safety & Health Committee Members, Department Supervisor, ERT Members & Facilities Members.

Learning Outcomes

Upon completion of program, participants will be able to:

- have a better understanding and appreciation towards legal requirements & implications;
- have proper knowledge in safe management of chemicals at workplace;
- understand hazards & risks associated in chemical usage; and
- how to react to a Chemical Spill Emergency Response.

HRDF Claimable
Under SBL-KHAS Scheme

Program Delivery Style:

Lectures, case studies & presentations, Practical mock drill, group discussions & quiz.

Program Outline

Day 1:

- **OSHA-To inculcate OSH as a Preventive Culture**
 - ✓ Towards meeting the Malaysia's OSH Master Plan 2020;
 - ✓ Delegation of OSH knowledge and responsibility to all levels in the workplace.
- **Plant-tour chemical safety inspection**
 - ✓ Particularly checking on Chemicals' Unsafe Acts and Unsafe Conditions;
 - ✓ Workplace's compliance towards Chemicals SDS, labellings, PPE and Safe Work Procedure's improvement.
- **Chemical-related acts & Regulations-Including:**
 - ✓ EQ(Scheduled Wastes) Regulation 2005– Basic Understanding
 - Essential Scheduled Waste Management (generated after Chemical usage)-starting from point of waste generation, scheduled waste identification, scheduled waste code, classification, handling, storage and disposal out of the workplace;

Day 2:

- **Presentations of simple assignments**
 - ✓ Hazards & feedback of each chemical workplace
 - ✓ Simple administrative/behavior chemical practices
 - ✓ Achievable chemical handling/exposure corrective actions
- **Identifying the Right Control Measures**
 - ✓ Chemical Exposure Management from prioritizing Elimination, Substitution, Engineering Control, Administrative Control, PPE and Behaviour issues of Chemical Control measures
- **Choosing The Right PPE For Chemical Usage**
 - ✓ How to get information on the Approved PPE to be used
 - ✓ The Selection, Limitations, Maintenance of PPE (Head, Eye/Face, Hand, Body, Feet Protections)
 - ✓ Criteria to replace/dispose PPE
- **Respiratory Protection System**
 - ✓ Limitations of Self-Contained Breathing Apparatus, Chemical Cartridge Respirator (Full,

<ul style="list-style-type: none"> ✓ OSH(CLASS) Regulations 2013 – Basic Understanding <ul style="list-style-type: none"> ➢ Essential knowledge of Chemical Manufacturer's responsibilities of Chemical classification, Issuance of proper Safety Data Sheet, Hazardous labelling, Chemical inventories and Confidential Business Information; ✓ OSH(USECHH) Regulations 2000 – Basic Understanding <ul style="list-style-type: none"> ➢ Essential "Right to Know" for Employees handling and exposure to which hazardous chemicals, Chemical register, PPE, CHRA, Medical surveillance and Record keeping. <p>▪ Overview of Chemical Safety Management</p> <ul style="list-style-type: none"> ✓ Simple understanding of Safe Work Procedure, Safety Data Sheet, Chemical Register, Chemical airborne personal sampling, Local Exhaust Ventilation Report, CHRA report and Chemical Emergency Response Plan <p>▪ Rights of Chemical handlers/users</p> <ul style="list-style-type: none"> ✓ Hazard Identification & Incident/Accident reporting ✓ Knowing of Chemicals at related work area, Chemical handling procedure, SDS, Limitations of Engineering Control & PPE <p>▪ Identifying Chemicals Hazards</p> <ul style="list-style-type: none"> ✓ Hazard Pictograms, Chemicals Labels, SDS and Knowledge on TWA/IDLH/STOT <p>▪ Types of Chemical Hazards</p> <ul style="list-style-type: none"> ✓ 3 Major Categories of Physical, Health & Environment-Chemical Hazards ✓ 5 Groups of Scheduled Wastes 	<p>Half & Quarter Mask), Mist mask & Dust Mask</p> <p>▪ Effective Chemical Management Program</p> <ul style="list-style-type: none"> ✓ Cradle to Grave concepts on Chemical Management issues ✓ Chemical Vendor Selection Criteria ✓ Vendor's protocol at the Workplace's Guard house ✓ Vendor's protocol at the Workplace's Chemical Store ✓ Chemical ware house employee's requirements ✓ Chemical issuance protocol to internal customer (Production, Engineering, QA Departments, etc. ✓ Chemical handling and mixing cautions ✓ Generations of scheduled wastes ✓ Items to be prepared & Steps to be taken during chemical spills <p>▪ Emergency Response & Preparedness - Mock practical drill on Chemical Spill Control Preparation</p> <ul style="list-style-type: none"> ✓ Essential chemical spill kits to be on site ✓ Traffic management & essential life-saving & mitigation steps ✓ How ERT to execute Fire-fighting, First Aid, Human Control & Chemical Decontamination Teams ✓ Immediate response phase until recovery phase ✓ Drill Post-mortem <p>▪ How to write an effective report on chemical spill accident/incident</p> <ul style="list-style-type: none"> ✓ Details that must be included in the report ✓ Incident's "Triggering Mechanism" ✓ Root Cause Analysis (basic) ✓ Proposed Immediate, Short term & Long-term corrective actions ✓ Preventive measures on Chemical spills reoccurrences <p>▪ Quiz & Evaluation</p> <p>▪ Question & Answer (Q & A)</p> <p>▪ End of Program</p>
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Course Leader

Mr. Izil Kamal

Mr. Izil Kamal holds a MBA, B. Eng (Hons.) in Chemical Engineering, Diploma in Industrial Chemistry and Certificate in Electrical Process Instrumentation . He has been a Safety and Health practitioner for more than 17 years. He had also attended numerous Train-the-Trainer program from NIOSH & HRDC (PSMB Train-the-trainer) and various risk, safety, technical and management skill trainings.

**Closing date for registration:
24 April 2019**

**HRDF Claimable
Under SBL-KHAS Scheme**

flexiEdge Training PLT
Shoptlot No. 9, Ground Floor,
Hotel Equatorial Penang,
1, Jalan Bukit Jambul,
11900 Bayan Lepas, Penang.
Tel/ Fax: 604-646 8377

He initially pursued his industrial careers with a tyre-making industry in QA department, then pursued a career in Electronics storage memory devices and Integrated circuit industries as Facilities & EHS-senior department position. His previous industrial responsibilities includes Emergency Response Team, general plant maintenance, plants utilities (electricity, RODI, HVAC, air-conditioning, air compressors, scheduled wastes management, etc.), general housekeeping, operations of plant's pollution control equipment's (waste water treatment & sewage plants, scrubber/chimney discharges, etc.).

Mr. Izil Kamal has conducted numerous public and In-house courses on areas of Management, Soft skills, 5S, Environment, Health and Safety in Penang and other states in Malaysia since 2000. His area of training expertise includes Total chemical safety management, Waste management, HIRARC, Emergency Response Planning and Electrical safety training. He has also conducted audits/inspections and presented papers at seminars organized by government agencies and higher learning institutions.

He is also one of the trainers of Certificate in Safety and Health Officer & Certificate in Human Resource at one of the trade association in Penang. He is also a university tutor for Bachelor (Hons.) in OSH Management degree.

Investment / Participation Fees

RM 850.00 / participant

REGISTRATION FORM



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02-03 MAY 2019 (Thursday-Friday), 9.00 am – 5.00 pm
@ Hotel Equatorial Penang
1, Jalan Bukit Jambul, 11900 Bayan Lepas, Penang.



No.	Name of Participant(s)	I/C No.	Designation
1			
2			
3			
4			
5			
6			

Registration Submitted By:

Company Name:

Company Address:

Contact Person:

Designation:

Tel:

Fax:

Email:

Payment: Enclosed herewith Cheque/ Bank Draft (No. _____) amounting to RM_____ for _____ () participant(s), crossed and made payable to

“flexiEdge Training PLT” OR

Bank in / transfer to our CIMB Bank A/C No.: 800 794 3431 and email us the bank in/ transaction slip to administrator@flexiedge.com.my .

Kindly send your completed registration form through email to Ms. Felicia Tham/ Mr. Quah Eng Siang at administrator@flexiedge.com.my or through fax to 04-646 8377. For further enquiry, please contact Ms. Felicia Tham/ Mr. Quah Eng Siang of flexiEdge Training PLT at Tel: 04-646 8377/ 012-479 8377/ 013-588 3355

Terms and Conditions

1. Fees are inclusive of program kits, refreshments and lunch and certificate of attendance.
2. Program confirmation will be given through email before the program date.
3. (a) Cancellation / notice of withdrawal must be given in writing (email) to us before program confirmation, no fee shall be charged.
(b) No cancellation is allowed once our program confirmation is emailed to you. However, if registered participant is unable to attend, **only replacement from the same company is allowed. Participant(s) who registered but does not turn up on training day(s) shall be fully billed. No refund if participant/ replacement does not turn up on the training day(s).**
4. flexiEdge Training PLT has the right to change the dates, time, venue, course leader or cancel the scheduled training due to unforeseen circumstances beyond its control.

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