

MANAGING HAZARDOUS MATERIALS: SPILLAGE HANDLING AND EMERGENCY RESPONSE



Date: 22nd - 23rd May 2025, Thursday & Friday



Venue: Ensearch Office Time: 9:00am - 5:00pm



Trainer: ChM Dr Shanmuga Kittappa



**ChM Dr Shanmuga
Kittappa**



OVERVIEW

Handling hazardous material spillage is dangerous and risky. High-level competencies and expertise are required in managing spillages and related emergencies on site. This programme covers spillage management and emergency response at the workplace, in industries, laboratories, and other places where hazardous materials are present. The course covers regulatory requirements, risk assessment, and best practises for managing spillages and emergencies to protect human health, safety, and the environment. This training is specially designed by the subject matter expert to offer the participants experiences and enhance their skills in handling highly dangerous and toxic materials on site



OBJECTIVES

- To introduce the overall understanding of hazardous material management including chemicals, radioactive materials, scheduled waste, and dangerous substances
- To develop participants' competencies in managing and handling spillages includes control of exposure (OSH 1994)
- To develop knowledge and skills related to spill response principles, techniques for containment and clean-up,
- To increase competencies in managing emergencies and critical situations



COURSE FEE

- ✓ ENSEARCH Member = RM800
- ✓ Non Member = RM1000
- ✓ Individual Membership + Training = RM1050
- ✓ HRDC Claimable + Member = RM900
- ✓ HRDC Claimable + Non Member = RM1000
- ✓ HRDC Claimable + Individual Membership = RM1150



WHO SHOULD JOIN?

- Engineers and managers
- Environmental professional
- Chemist and laboratory technicians
- Schedules waste handler
- Competent person



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TRAINER INFORMATION - CHM DR SHANMUGA KITTAPPA

ChM Dr Shanmuga Kittappa is a Certified Sustainability Practitioner by the Chartered Management Institute (UK) and a Certified Lean Practitioner by the British Institute of Standard, a Royal Charter UK. His membership in the Royal Society of Chemistry, specializing in Sustainability Practice in Chemical Management and Waste Disposal, underscores his proficiency in environmentally responsible chemical processes. In addition to his research leadership, Dr. Shanmuga is an ELITE member of the Faculty of Engineering at the University of Malaya, reflecting his significant contributions to academia. His role as a technical assessor for the Malaysian Department of Standards further attests to his expertise and recognition as a leading figure in the field of chemistry, science and technology. Dr. Shanmuga's profile highlights a blend of industrial expertise, academic excellence, pioneering research, and active participation in professional organizations, establishing him as a well-rounded and influential figure in sustainability and research.

TENTATIVE PROGRAMME

DAY 1

09.00 AM – 09.30 AM	OPENING
	<ul style="list-style-type: none"> • INTRODUCTION • GROUND RULES AND TECHNICAL BRIEFING • ICE BREAKER
09.30 AM – 10.00 AM	PRE-ASSESSMENT
10.00 AM – 10.30 AM	MORNING BREAK
10.30 AM – 11.45 AM	INTRODUCTION TO HAZARDOUS MATERIAL
	<ul style="list-style-type: none"> • ACTS AND REGULATIONS • OCCUPATIONAL SAFETY AND HEALTH ACT 1994 • ATOMIC ENERGY LICENSING ACT 1984 • ENVIRONMENTAL QUALITY ACT 1974
11.45 AM – 12.00 PM	SHORT BREAK
12.00 PM – 01.00 PM	RISK ASSESSMENT AND PREVENTION
	<ul style="list-style-type: none"> • TYPES AND CLASSIFICATIONS • PACKAGING, LABELLING AND STORAGE • COSHH AND SDS
01.00 PM – 02.00 PM	LUNCH BREAK
02.00 PM – 03.00 PM	HAZARD IDENTIFICATIONS AND SPILL RESPONSE PLAN
	<ul style="list-style-type: none"> • LOGISTICS AND HANDLING • IMPORT AND EXPORT OF HAZARDOUS MATERIALS • CUSTOMS AND HS CODE • SENSITIVE AND POISON ITEMS • TRANSBOUNDARY AND BASEL CONVENTION
03.00 PM – 03.30 PM	TEA BREAK
03.30 PM – 04.00 PM	DISCUSSION, Q AND A
04.00 PM – 05.00 PM	END OF SESSION

DAY 2

09.30 AM – 10.00 AM	MORNING BREAK
10.00 AM – 11.45 AM	SPILL RESPONSE AND PRINCIPLES
	<ul style="list-style-type: none"> • INDUSTRIES • HOSPITALS • LABORATORIES
11.45 AM – 01.00 PM	EMERGENCY RESPONSE AND CLEAN-UP
	<ul style="list-style-type: none"> • SMALL SPILLAGE LABORATORIES AND HOSPITALS • LARGE SPILLAGES- INDUSTRIES • EXPOSURE AND LIMITATIONS • DEMO AND VIDEO
01.00 PM – 02.00 PM	LUNCH BREAK
02.00 PM – 03.30 PM	EMERGENCY RESPONSE PLAN
	<ul style="list-style-type: none"> • ACTION AND REPORTING • EMERGENCY RESPONSE PROCEDURE • RIGHT EQUIPMENT AND TOOLS • CASE STUDY AND ANALYSIS • DEMO AND VIDEO
03.30 PM – 04.00 PM	TEA BREAK
04.00 PM – 04.30 PM	DISCUSSION, Q AND A
04.30 PM – 05.00 PM	POST ASSESSMENT AND CERTIFICATE PRESENTATION
05.00 PM	CLOSING AND EVALUATION



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