



COURSE OVERVIEW HE1053
Hazardous Materials Technician
HAZMAT Level III (OSHA 29 CFR 1910.120 and NFPA 472)

Course Title

Hazardous Materials Technician: HAZMAT Level III (OSHA 29 CFR 1910.120 and NFPA 472)

Course Date/Venue

November 11-15, 2024/Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference

HE1053

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using one of our state-of-the-art simulators.



This course is designed to provide participants with a detailed and up-to-date overview of hazardous materials in accordance with OSHA 29 CFR 1910.120 and NFPA 472. It covers the analysis of incident and collecting and interpreting of hazard and response information; determining the scope of the problem, type and extent of damage to containers; predicting the behavior of released materials and containers; estimating the size of endangered area; planning response, response objectives and options; and selecting the personal protective equipment (PPE) for action options and technical decontamination process.



During this interactive course, participants will learn the development of site safety plan; implementing the response; performing duties of Hazmat position within incident command systems (ICS); donning, doffing and working in technician-level PPE; performing offensive control options and decon functions; evaluating the effectiveness of control functions, decon and terminating the incident; incident debriefing and critique; reports and documentation; the A, B and C chlorine kits and MC306/406 dome clamp with grounding and bonding; the level A dress out with self-contained breathing apparatus (SCBA); the drum leak repair and overpacking; and the instrumentation laboratory.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Get certified as a “*Certified Hazardous Materials (HAZMAT) Technician*” in accordance with OSHA 29 CFR 1910.120 and NFPA 472
- Analyze the incident as well as collect and interpret hazard and response information
- Determine scope of the problem and describe type and extent of damage to containers
- Predict the behavior of released materials and containers and estimate the size of endangered area
- Plan a response and describe response objectives and options
- Select personal protective equipment (PPE) for action options and technical decontamination process
- Develop a site safety plan, implement the response and perform duties of Hazmat position within incident command systems (ICS)
- Don, doff, and work in Technician-level PPE as well as perform offensive control options and decon functions
- Evaluate effectiveness of control functions, effectiveness of decon and terminate the incident
- Carryout incident debrief and critique and maintain reports and documentation
- Identify A, B and C chlorine kits and MC306/406 dome clamp with grounding and bonding
- Recognize level A dress out with self-contained breathing apparatus (SCBA), drum leak repair and overpacking and instrumentation laboratory

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.

Who Should Attend

This course provides an overview of all significant aspects and considerations of hazardous materials technician for personnel who respond to emergencies involving Hazardous materials (Hazmat)/weapon of mass destruction (WMD) for the purpose of analysing the incident, selecting appropriate PPE and decontamination procedures, and implementing action options to mitigate the incident.

Course Certificate(s)

(1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificate will be issued to participants who have successfully completed the course and passed the exam at the end of the course. Successful candidate will be certified as a “Certified Hazardous Materials (HAZMAT) Technicians”. Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-



- (2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

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Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

CEUs

CEU Official Transcript of Records

TOR Issuance Date: 10-May-18
HTME No.: PAR11315
Participant Name: Waseem Al Gazzar

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1053	Hazardous Materials Technician: HAZMAT Level III (OSHA 29 CFR 1910.120 and NFPA 472)	May 06-10, 2018	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY



Maricel De Guzman
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by









P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | Fax: +971 2 3091 716 | E-mail: info@haward.org | Website: www.haward.org


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Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- 
The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.



Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. John Burnip, EHS, SAC, STS, NEBOSH-ENV, NEBOSH-IGC, NEBOSH-IFC, NEBOSH-PSM, NEBOSH-IOG, TechIOSH, is a **NEBOSH Approved Instructor** and a **Senior HSE Consultant** with over **45 years** of practical **Offshore & Onshore** experience within **Oil, Gas, Refinery, Petrochemical** and **Nuclear** industries. His wide experience covers **NEBOSH International General Certificate in Occupational Health & Safety, NEBOSH National Certificate in Construction Health & Safety, Hazardous Materials & Chemicals Handling, PHA, HAZOP, HAZID, Hazard & Risk Assessment, Task Risk Assessment, Accident**

& Incident Investigation, Emergency Response Procedures, Job Safety Analysis (JSA), Behavioural Based Safety (BBS), Confined Space Entry, Fall Protection, Work Permit & First Aid, Emergency Response, H₂S, ERP Preparation, Project HSE Management System, Health & Hygiene Inspection, PTW Control, Process Modules Fire & Gas Commissioning, MSDS, Ergonomics, Lockout/Tagout, Fire Safety & Protection, Spill Prevention & Control, Tower & Scaffold Inspection, Scaffolding Operations, Scaffolding Equipment, Bracket Scaffolds, Scaffolding Labelling, Pre-fab Scaffolding; Erecting, Maintaining & Dismantling Scaffolding in accordance with the **British Standards Code of Practice 5973; Heavy Lifting** operations, Cantilevered Hoists, **Offshore Operations, Offshore Construction, Basic Offshore Safety Induction & Emergency Training (BOSIET), Onshore Fabrication & Offshore Pipelaying & Hook-Up, Crane Inspection, Crane Operations, Oilfield Startup & Operation, Steel Fabrication, ISO 45001, OSHA, ISO 9001, ISO 14001, OHSAS 18001 and IMO (SOLAS) Regulations.** Mr. Burnip has greatly contributed in upholding the highest possible levels of safety for numerous International Oil & Gas projects, Generation Systems & Platform Revamp, LPG & Gas Compression, Marine, Offshore and Power Plant Construction. Currently, he is the **HSE Advisor** of Solvay wherein he is responsible in planning and implementation of the corporate safety program (OSHA codes).

During Mr. Burnip's long career life, he had successfully carried out numerous projects in **Europe, North America, South America, Southeast Asia, Middle East** and the **North Sea**. He had worked for Likpin Dubai, SADRA/DOT, **ZADCO, McDermott International (USA, Qatar, Egypt, India, Oman, Dubai and Abu Dhabi), PDO, Shell, ARAMCO, Salman Field, Leman Offshore Gas Field, GEC, Harland & Wolff PLC Belfast** in North Ireland, Howard Doris – Kishorn in Scotland, **Westinghouse Electric** in Brazil and South Korea and **Chevron Oil** in Scotland as the **Commissioning Project Engineer, Project & Safety Engineer, Estimating Engineer, Senior Instrument Engineer, Instrument Field Engineer, Lead Instrument Engineer, Instrument Engineer, Engineer, Emergency Response Training Manager, HSE Advisor, HSE Instructor, HSE Supervisor, Instrumentation Supervisor, Instrumentation Specialist, Project Coordinator, Instrumentation Technician** and **Tank Farm Instrumentation Technician**.

Mr. Burnip has a **Bachelor's degree in Business Studies** from the **Somerset University (UK)**. He is a **Certified/Registered Tutor** in **NEBOSH Certificate in Environmental Management, NEBOSH International General Certificate, NEBOSH International Certificate in Fire Safety & Risk Management, NEBOSH Process Safety Management Certificate** and **NEBOSH International Oil & Gas Certificate**; a **Certified Safety Auditor (SAC)**; a **Certified ISO 45001 Auditor**; an **Environmental Health and Safety Management Specialist** on **Fall Protection, Elevated Structures, Material Handling, Trenching & Excavations**; a **Welding Brazing Safety Technician**; a **Certified Safety Administrator (CSA)** - General Industry; a **Safety Manager/Trainer** – General Industry; a **Petroleum Safety Manager (PSM)** - Drilling & Servicing; a **Petroleum Safety Specialist (PSS)** - Drilling & Servicing; a **Safety Planning Specialist**; a **Safety Training Specialist**; a **Certified Instructor/Trainer**; a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and further holds a Certificate in **Mechanical Engineering Craft Practice** from the **City & Guilds of London Institute**; a **NEBOSH Level 3 Construction Certificate (UK)**; and holds a **Cambridge Teaching Certificate**. He is a well-regarded member of the **National Association of Safety Professionals, the Association of Cost Engineers (UK), Institution of Occupational Safety & Health (TechIOSH)** and an **Associate Member of World Safety Organization**. Further, he has conducted innumerable trainings, workshops and conferences worldwide.





Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Fee

US\$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 - 0800	<i>Registration & Coffee</i>
0800 - 0815	<i>Welcome & Introduction</i>
0815 - 0830	PRE-TEST
0830 - 0930	Analyzing The Incident
0930 - 0945	<i>Break</i>
0945 - 1045	Collecting & Interpreting Hazard & Response Information
1045 - 1130	Determining Scope of the Problem
1130 - 1230	The Type & Extent of Damage to Containers
1230 - 1245	<i>Break</i>
1245 - 1420	Predicting The Behavior of Released Materials & Containers
1420 - 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2

0730 - 0830	Estimating The Size of Endangered Area
0830 - 0930	Plan a Response
0930 - 0945	<i>Break</i>
0945 - 1045	Response Objectives & Options
1045 - 1130	Selecting Personal Protective Equipment (PPE) for Action Options
1130 - 1230	Selecting Technical Decontamination Process
1230 - 1245	<i>Break</i>
1245 - 1420	Developing Site Safety Plan
1420 - 1430	Recap
1430	<i>Lunch & End of Day Two</i>





Day 3

0730 - 0830	<i>Implementing The Response</i>
0830 - 0930	<i>Performing Duties of Hazmat Position Within Incident Command Systems (ICS)</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Don, Doff & Work in Technician-Level PPE</i>
1100 - 1230	<i>Performing Offensive Control Options</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Performing Decon Functions</i>
1245 - 1420	<i>Recap</i>
1430	<i>Lunch & End of Day Three</i>

Day 4

0730 - 0830	<i>Evaluating Effectiveness of Control Functions</i>
0830 - 0930	<i>Evaluating Effectiveness of Decon</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Terminating the Incident</i>
1100 - 1230	<i>Incident Debrief & Critique</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Reports & Documentation</i>
1245 - 1420	<i>Recap</i>
1430	<i>Lunch & End of Day Four</i>

Day 5

0730 - 0830	<i>A, B, & C Chlorine Kits</i>
0830 - 0915	<i>MC306/406 Dome Clamp with Grounding & Bonding</i>
0915 - 0930	<i>Break</i>
0930 - 1100	<i>Level A Dress out with Self-Contained Breathing Apparatus (SCBA)</i>
1100 - 1200	<i>Drum Leak Repair & Overpacking</i>
1200 - 1215	<i>Break</i>
1215 - 1300	<i>Instrumentation Laboratory</i>
1300 - 1315	<i>Course Conclusion</i>
1315 - 1415	COMPETENCY EXAM
1415 - 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>



Simulators (Hands-on Practical Sessions)

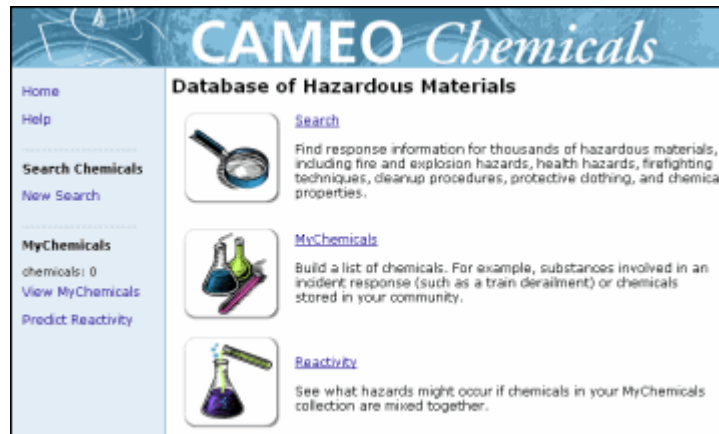
Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using one of our state-of-the-art simulators; “Chemical Compatibility 1.1 Simulator”, “Chemical Safety Database Simulator”, “CAMEO Chemicals Suite Simulator” or “ERG 2012 Simulator”.

Boric Acid Compatibilities	
Acetal (Delrin®)	
Plastics	Excellent
Aluminum	
Metals	Severe Effect
Bronze	
Metals	Good
Buna N (Nitrile)	
Elastomers	Excellent
Carbon graphite	
Non-metals	Excellent
Carbon Steel	
Metal	Severe Effect
Carpenter 20	
Metals	Good/2
Cast iron	
Metals	Severe Effect
Ceramic Al2O3	
Non-metals	Excellent
Ceramic magnet	
Non-metals	Excellent
ChemRaz (FFKM)	
Plastic	Excellent
Copper	
Metals	Good
CPVC	
Plastics	Excellent
EPDM	
Elastomers	Excellent

Chemical Compatibility 1.1 Simulator



Chemical Safety Database Simulator



CAMEO Chemicals Suite Simulator



ERG 2012 Simulator

Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org