

Module 12 – Risk and Environment Management for Chemical Technicians

Course Introduction	<p>Aims to equip participants with basic knowledge in:</p> <ul style="list-style-type: none"> • Workplace Safety & Health (WSH) legislation and skills to support WSH incident investigation in their company, • An overview of environmental management system policy, procedures and practices. • The types of environmental aspects and impacts; recognise key compliance obligations; and environmental hazard related signs and symbols. • The knowledge and skills to perform risk assessment (RA) for routine and non-routine activities at their workplace in the chemical industry.
Course Objective	<p>The primary emphasis for this course shall be on:</p> <ul style="list-style-type: none"> • The WSH System – roles & responsibilities • WSH legislative requirements relevant for chemical industries • Support WSH incident investigation • Describe the purpose and benefits of environmental management system • Identify environmental aspects and impacts • Recognise key compliance obligations • Recognise environmental hazard related signs and symbols • Principles of Risk Assessment (RA) & Risk Management (RM) • Procedures to conduct RA • Risk Evaluation & Risk Control Measures <p>The knowledge and skills learnt in this session should enable an individual to participate in risk assessment, evaluate risk level and perform risk control measures according to the hierarchy of risk control.</p>
Course Outline	<p>Topics include:</p> <ul style="list-style-type: none"> • WSH roles & responsibilities • Comply with WSH policies, procedures & practices in workplace and contribute to WSH improvements • WSH requirements applicable to contractors & contractors management • Selected WSH legislative requirements (Chemical Industry) • Reportable workplace incidents (Chemical Industry) • Incident reporting procedures, requirements & protocol • Methods to cordon site for investigation & principles of immediate hazard isolation • Incident reporting to company stakeholders • Overview of environmental management system: policy, procedure and practices • Environmental aspects and impacts • Environmental hazard related signs and symbols • Roles & responsibilities of RA team • Principles of risk assessment (RA) & risk management (RM)

	<ul style="list-style-type: none">• Identify hazards for routine & non-routine work• Procedures to conduct RA• Methods of risk evaluation• 5x5 Risk matrix – likelihood & severity
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