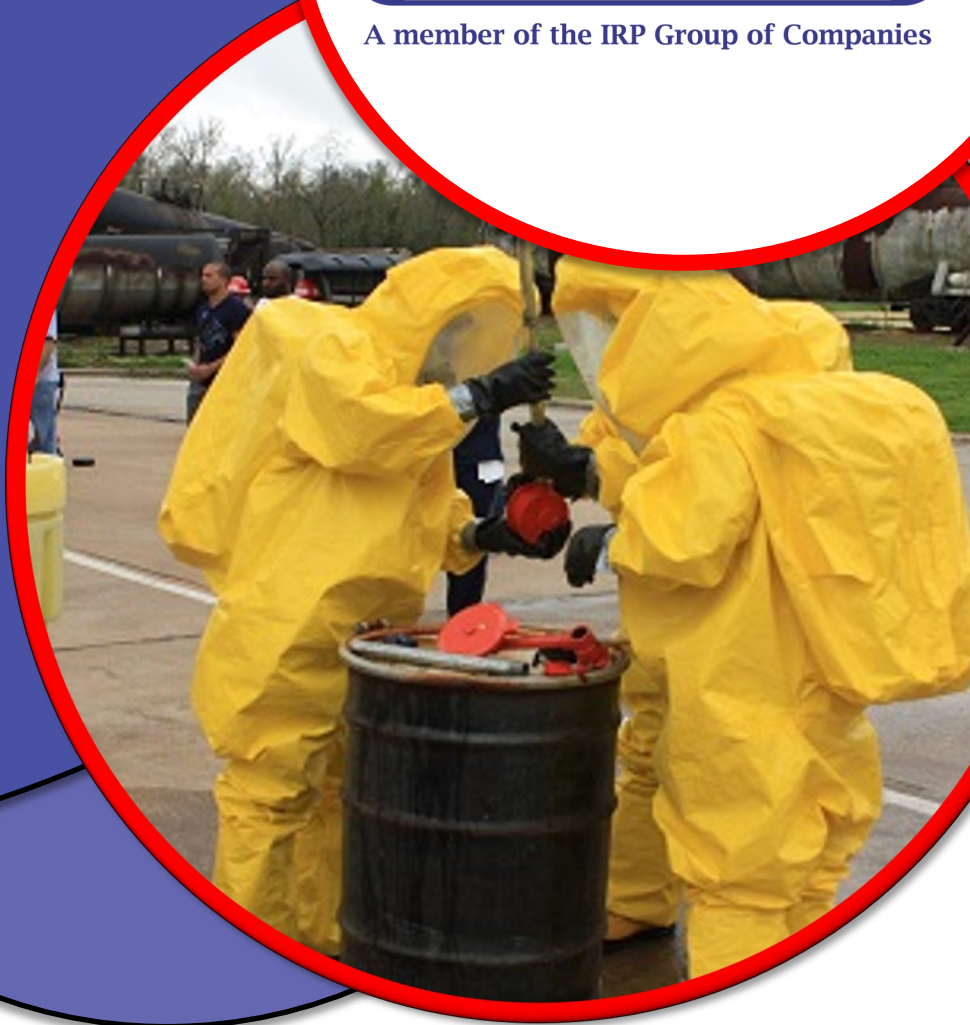




**IRP FIRE & SAFETY LTD.**

A member of the IRP Group of Companies



# HAZWOPER

(Hazardous Waste Operations and Emergency Response)

## TRAINING COURSE



**Hours for this course: 16 hours**

<b>INSTRUCTIONAL ACTIVITY</b>	<b>DURATION</b>
<b>Classroom Activity and Lectures</b>	<b>8 hours</b>
<b>Field Activities / Practical Session</b>	<b>8 hours</b>

**COURSE DESCRIPTION**

When hazardous chemicals are accidentally released or spilled in small or large quantities, the lives of workers and the neighbouring communities become endangered. These incidents require the organization’s in-house response team to respond and abate such emergencies; thereby saving lives, protecting the business reputation and managing environmental effects. Local, regional and international OSH legislation has cited a duty of care by employers to equip and train workers in understanding and mitigating the dangers associated with hazardous chemicals.

- **NFPA 400 - Hazardous Material Code**
- **NFPA 472- Standard for Competence of Responders to Hazardous Materials**
- **NFPA 30 - Flammable and Combustible Liquids Code**
- **NFPA 1981 Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services**
- **OSHA 29 CFR 1910:120**
- **USA. Department of Transportation (DOT) Regulations**
- **U.K. Control of Substances Hazardous to Health (COSHH)**
- **OSH Act. 2006 Trinidad and Tobago**

**COURSE PREREQUISITE**

To be enrolled into HAZWOPER Program participants must have a Hazardous Material Response Awareness certification within the past three years.

## LEARNING OBJECTIVES

Upon the successful completion of this program, participants will be able to perform the following response objectives:

- Reporting and responding to onsite emergencies.
- Conducting scene size up and hazard risk assessment in emergencies.
- Establish an effective Site Control Program that limits the risk of exposure to employees working in a hazardous work zone.
- Identify hazardous materials in your workplace and the possible methods, and symptoms of exposure as well as measures necessary to prevent exposure.
- Implement procedures to treat workers in the event they are exposed to hazardous substances.
- Familiarize yourself with compounds, mixtures, and materials that possess flammable, explosive, chemical or radiological hazards.
- Use Material Safety Data sheets (MSDS) to identify and properly handle hazardous materials.
- Know and understand your worker rights under the OSH Act of 2006 Trinidad and Tobago.
- Use Site Characterization to identify hazards that exist in your workplace and implement measures to eliminate the identified hazards.
- Recognize appropriate PPE and have a general understanding of how to select, use, clean, and maintain PPE.
- Responding to onsite vehicle accidents where hazardous material spills may occur.

## COURSE CONTENT

- Overview of international standards and guidelines associated with hazardous material. OSHA, NFPA, DOT, GHS, IATA.
- Basic chemical and toxicological terminology, hazard and risk assessments and containment operations.
- Hazard classes associated with dangerous goods.
- Pipeline spill response.
- Response techniques for responding to Ammonia, Nitrogen, LPG, Chlorine, Diesel and other hazardous substances.
- NFPA 704 System /WISER program.
- Use of the Emergency Response Guidebook in emergency assessment.
- The Incident Command System for hazardous material response.
- Use of SCBA operations in hazardous material response.
- Use of specialized spill containment tools.
- PPE used in hazardous material response.
- Setting up of a command post and emergency zones.
- Basic containment and confinement procedures.
- Decontamination procedures.

## PRACTICAL SESSION ACTIVITIES

The practical session will involve the following skills:

- Develop a site safety & control plan.
- Perform gas testing operations to determine hazardous material behaviour and characteristics.
- Use the Incident Command System method to manage hazardous material incidents.
- Perform decontamination techniques for specific hazardous material faced in your organization.
- Plugging and patching techniques.
- Damming and dyking techniques.
- Containment and confinement techniques.
- Medical response treatment in chemical emergencies.
- Use of firefighting hoses in hazardous material response operations.
- Use of SCBA in hazardous material response operations.
- Use of fixed and portable firefighting devices in hazardous material response scenarios.
- Responding to leaking mobile tanker spills on your site.

## TARGET AUDIENCE

This course is specifically designed for emergency response teams who are involved in hazardous clean-up operations, voluntary clean-up operations and the storage, disposal or treatment of hazardous substances.

## CERTIFICATION

On successful completion of this course participants will receive a certificate of competency in reference to USA .NFPA 400/ 472 Hazardous Material Response Guidelines Certification.

### CONTACT INFORMATION:

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