		HSE MANAGEMENT SYSTEM HSE Training OSHA 29 CFR 1910.120(q)
HAZWOPER 8-Hour Refresher		
Your Safety Department 91 Eagle Creek Ranch Blvd Floresville, Texas 78114	HEALTH, SAFETY AND ENVIRONMENT	Training Director: Chris Thuneman

Program of Instruction

Course Syllabus

Course Title: HAZWOPER 8-hour Refresher

Course Duration: 8 hours

Program: Hazardous Waste Operations Program

Level of Training: Performance-Operations


Course Description: This course is designed to train individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures. The course covers: an understanding of Hazmat laws and regulations, basic hazard and risk assessment techniques, selection and proper use of personal protective equipment, understanding of basic hazmat terms, how to perform basic product control procedures, and implementing basic decontamination procedures.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: This course meets or exceeds the requirements of OSHA 29 CFR 1910.120(q) for First Responder Operations Training. It is intended for industrial and private response teams, who in their normal course of duty would be responsible for responding to a release of a known product.

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Post-Course Work: None

Course Content:

Module: 1

Title: Legal Rights and Responsibilities

Terminal Learning Objective:

At the conclusion of this module, the student will *apply* the laws, regulations and standards to hazardous materials incidents.

Module: 2

Title: Hazard Recognition and Identification

Terminal Learning Objective:

At the conclusion of this module, the student will *recognize* different types of containers and markings and *determine* the hazards associated with the materials transported or stored within the container.

Module: 2.1

Title: Health Effects

Terminal Learning Objective:


At the conclusion of this module, the student will *relate* health hazards with an associated material and its container.

Module: 2.2

Title: Chemical and Physical Properties

Terminal Learning Objective:

At the conclusion of this module, the student will *predict* how the chemical and physical properties of a product will affect response to a hazardous materials incident.

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Module: 3

Title: Information Resources

Terminal Learning Objective:

At the conclusion of this module, the student will interpret intelligence and resource information as it relates to the hazardous materials response.

Module: 4

Title: Monitoring and Sampling

Terminal Learning Objective:

At the conclusion of this module, the student will *explain* the different types of monitors and techniques available and *demonstrate* effectively monitoring an atmosphere for a known material.

Module: 5

Title: Personal Protective Equipment (PPE)

Terminal Learning Objective:


At the conclusion of this module, the student will *categorize* the different types of personal protective equipment (PPE) by their characteristics and be able to *don, doff, and work in* each type of PPE available to the Operations trained responder.

Module: 6

Title: Work Practices and Site Control

Terminal Learning Objective:

At the conclusion of this module, the student will be able to *describe* the various defensive options available to the Operations trained responder and *demonstrate* confining a hazardous material to a certain area.

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Module: 7

Title: Decontamination

Terminal Learning Objective:

At the conclusion of this module, the student will *describe* the different types of decontamination and *demonstrate* proper selection, set-up, operation, and tear down of a decontamination line.

Module: 8

Title: Emergency Response Components

Terminal Learning Objective:


At the conclusion of this module, the student will *determine* the strategic and tactical objectives to be completed at all hazardous materials incidents.

Practical:

See Drill Sheet for Specifics

Evaluation Strategy:

A final practical incident is conducted at the completion of the course. In addition, several simulated evolutions and scenarios are used throughout the course.

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References:

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National Fire Protection Association Standards 472 *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, 2013.

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Schnepf, Rob. *Hazardous Materials Awareness and Operations 1st Ed.* Jones and Bartlett Publishers, Sudbury, MA, 2010.

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U.S. Department of Labor, *Code of Federal Regulations: Transportation 49 CFR Parts 100 to 77.* Washington, D.C., Office of the Federal Register, National Archives and Records Administration, 1995.



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— SAFETY Solutions —

HSE MANAGEMENT SYSTEM

HSE Training

OSHA 29 CFR 1910.120(q)

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HEALTH, SAFETY AND
ENVIRONMENT

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Course Schedule DAY ONE

Start Time: 0800

Event	Duration
Orientation and Introductions	15 minutes
Module 1: Legal Rights and Responsibilities	30 minutes
Module 2: Hazard Recognition and Identification	30 minutes
Module 2.1: Health Effects	30 minutes
Break	
Module 2.2: Chemical and Physical Properties	30 minutes
Module 3: Information Resources	30 minutes
Module 4: Monitoring and Sampling	30 minutes
Module 5: Personal Protective Equipment (PPE)	30 minutes
Lunch	
Module 6: Work Practices and Site Control	30 minutes
Module 7: Decontamination	30 minutes
Module 8: Emergency Response Components	30 minutes



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Break

Practical – DRILL

1 ½ hour

Practical – REVIEW

30 minutes