



NAHMMMA 8 HOUR HAZWOPER REFRESHER – TEXAS

COURSE OUTLINE

1ST HOUR 8am: **Introductions- instructor introduction and learning about the class participants and what they do in their jobs**

Regulations

Overview

3 Levels of Regulatory Authority

History of Environmental Regulation

HHW and VSQG Exemptions

Basic HHW and Universal Waste Categories

Worker and Workplace Safety Responsibilities

Typical Scope of HW Training Requirements

A focus on Texas regulation for HHW

Teaching Method: Power Point presentation with focus on Texas HHW rules

Classroom materials/handouts: copy of TAC Rule, Title 30 Part 1, Subchapter N

5 minute break

2nd HOUR 9am: **Chemical Hazard Module**

Review of chemistry terms and definitions, chemical types, chemical properties, chemical hazards, and safety information.

Teaching Method: Power Point presentation with focus on identifying organic hydrocarbons and hazards of organic compounds; identifying inorganic chemicals and hazards associated with inorganic chemicals; identifying the two chemical types on the pH scale; identifying corrosive materials; learning how to use a Safety Data Sheet (SDS).

Class participant interaction-how does identifying chemicals and their associated hazards help the class participants in their jobs.

Classroom materials/handouts: sample SDS's, pH scale diagram

10 minute break

3rd HOUR 10 am: Health Hazards Module

This section of the course is designed to build personal and staff capacity to understand and act on health hazard information. This chapter will outline terms and definitions that will help identification of potential health hazards, route of chemical exposure and substance interactions. It will also delve into using the NIOSH Guide and Emergency Response Guide.

Teaching Method: Power Point presentation

Classroom materials/handouts: Utilize the online NIOSH guide and online 2024 ERG

5 minute break

4th HOUR 11 am: Recognizing Operational Hazards

Additional review of the OSHA "General Duty Clause" from Chapter 1, more review of CFR 29, 1910, Identification of Common HHW Operations Hazards, Identify Best Practices to mitigate/avoid Common Operational Hazards

Teaching Method: Power Point presentation

Classroom materials/handouts: *Computer link to 29 CFR 1910.120:*

[https://www.osha.gov/laws-](https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.120)

[regs/regulations/standardnumber/1910/1910.120](https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.120)

12 Noon Lunch Break, 1 Hour

5th & 6th HOUR 1 pm: Managing Wastes

Review waste management practices,

Discussion of categories and types of wastes and their common management practices,

Compatible and incompatible waste types,

Management of acceptable and unacceptable waste types,

General application of DOT, CFR, and UN transportation, requirements,

Product ReUse

SAFETY FIRST! Review of applicable OSHA regulations/guidelines

Teaching Method: Power Point presentation, Course participant discussion

Classroom materials/handouts: Samples of UN approved containers for hazardous material packaging and transport

10 minute break

7th HOUR 3 pm: Protecting Yourself

Overview

Purpose and use of PPE,

Worker protection hierarchy,

The levels of PPE,

Care of CPC,

Respiratory Protection,
Methods of decontamination,
Types of contamination,
Permeation factors,
Hearing Protection

Teaching Method: Power Point presentation, Course participant discussion, PPE display

Classroom materials/handouts: Courtesy earplugs, PPE display: individual eyewash bottle, ½ mask respirator & cartridge, Tyvek body suit, nitrile gloves, ANSI approved protective eyewear, protective ear muffs, sample first-aid kit

5 minute break

7th HOUR 4 pm: Emergencies

Types of emergencies
Emergency plans
Emergency preparation
Emergency review

Teaching Method: Power Point presentation, Course participant discussion

Classroom materials/handouts: Courtesy earplugs, PPE display: individual eyewash bottle, ½ mask respirator & cartridge, Tyvek body suit, nitrile gloves, ANSI approved protective eyewear, protective ear muffs, sample first-aid kit

Sample Operations Plan & Health & Safety Plan

Class Ends, 5 pm.

