

Training Type: Hazardous Materials Safety & Security Awareness

Today's Date: _____

Instructor(s): _____

Location: _____

	Participant Name	Signature	Select One:	
			Pre-Registered	Walk-In
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Hazardous Materials Safety & Security Awareness – Pre-Test

Name: _____

Please circle the one answer that best answers the question or statement.

1. Awareness Level Roles and Responsibilities after a Weapons of Mass Destruction (WMD) or terrorism incident are site preservation and evidence protection.
 - a. True
 - b. False

2. The Emergency Response Guidebook (ERG) is updated every:
 - a. Year
 - b. Two years
 - c. Four years
 - d. As needed

3. Which of these dangerous goods can be transported by waterway?
 - a. Flammable gases
 - b. Mixed cargo
 - c. Flammable liquids
 - d. All of the above

4. The NFPA 704 warnings go from 0 to 4, where 0 is no threat and 4 is the highest threat.
 - a. True
 - b. False

5. Awareness Categories of Responsibilities include:
 - a. Your safety
 - b. Safety of others
 - c. Notification
 - d. All of the above

6. A “B.L.E.V.E” is a Boiling Liquid Expanding Vapor Explosion.
 - a. True
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7. The roles of local government for the first line of defense include:
 - a. Heavy weather (hurricanes/tsunamis/tornadoes)
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 - c. Prevention of terrorist incidents
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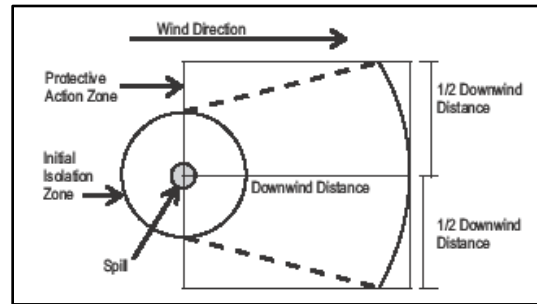
8. In the event of an incident believed to involve hazardous materials, WMD, or dangerous goods, if you are unable to obtain the 4 digit ID number or the shipping name and placard is not present, you should then refer to:
 - a. Guide 199
 - b. Guide 100
 - c. Guide 111
 - d. Guide 222

Hazardous Materials Safety & Security Awareness – Pre-Test

9. Awareness Training to recognize and safely react to a hazardous material incident is mandated by the United States Coast Guard.
- True
 - False

10. The following is an additional online resource to assist in the identification of a hazardous material:
- WISER
 - Hazmat Load and Segregation Guide
 - HazMatIQ
 - All of the above

11. What is not determined from this diagram?
- Wind Rosetta Prediction
 - Protective Action Zone
 - Initial Isolation Zone
 - Safe Distance from a Hazardous Material Incident



12. What are the four roles of a Hazardous Material Awareness trained worker?
- Recognition, React, Mitigate, Remove
 - Recognition, Notification, Isolation, Protection
 - Observe, Notification, Contain, Remove
 - Observe, React, Isolation, Protection
13. Which Class of dangerous goods are explosives?
- Class 3
 - Class 8
 - Class 5
 - Class 1
14. What is NOT a reason to “Shelter in Place”?
- Explosion
 - Fire
 - Prolonged gas release
 - All of the above
15. The four routes of exposure are ingestion, absorption, inhalation, and_____.
- Injection
 - Interosseous
 - Sublingual
 - Transferral
16. The FBI definition of terrorism is the unlawful use of force against persons or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives.
- True
 - False

Hazardous Materials Safety & Security Awareness

ACTIVITY 1.1

RECOGNIZING AND IDENTIFYING HAZARDS WORKSHEET

This activity suggests using the Emergency Response Guidebook. Answer the following 26 questions. You will have 20 minutes on this activity. At the conclusion, we will review the questions in class.

Directions: Read each of the following questions, select (circle) the most correct answer. Question 26 requires a written answer.

Example:

1. The cover of the Emergency Response Guidebook is _____.
 - a. blue
 - b. yellow-orange
 - c. purple
 - d. silver

QUESTIONS

2. Looking up the _____ is NOT one of the three methods of identifying the appropriate Guide number for a material in the NAERG.
 - a. 4-Digit UN/NA or ID Number
 - b. Shipping Name
 - c. Placard if the material is placarded and no other information is available at the time.
 - d. Shipper's name
3. The pages organized numerically by the 4 digit ID number have a(n) _____.
 - a. blue border
 - b. yellow border
 - c. orange border
 - d. green border
4. The pages organized alphabetically by shipping name have a(n) _____.
 - a. blue border
 - b. yellow border
 - c. orange border
 - d. green border
5. The Guide pages have a(n) _____.
 - a. blue border
 - b. yellow border
 - c. orange border
 - d. green border
6. The "List of Dangerous Water-Reactive Materials Which Produce Toxic Gases" pages have a(n) _____.
 - a. blue border
 - b. yellow border
 - c. orange border
 - d. green border

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7. The Table of Isolation and Protective Action Distances pages have a _____.
 - a. blue border
 - b. yellow border
 - c. orange border
 - d. green border
8. Materials which present a polymerization hazard are identified by the letter "P" after the Guide Number Listing in the _____ pages.
 - a. both the blue and yellow border
 - b. only the yellow border
 - c. both the green and orange border
 - d. only the green border
9. Each "Guide" in the ERG is _____ pages long and contains a Potential Hazards section, a Public Safety Section and an Emergency Response section.
 - a. two (2)
 - b. three (3)
 - c. four (4)
 - d. one (1) to five (5)
10. Fuming sulfuric acid is sometimes referred to as Oleum. The ID Number for Oleum is _____.
 - a. 1976
 - b. 1222
 - c. 1831
 - d. 1001
11. The appropriate Guide for Oleum is _____.
 - a. 120
 - b. 205
 - c. 100
 - d. 137
12. The Guide which is identified for sodium hydroxide solution is 154. Guide 154 advises the responder to treat a victim who has been splashed with the solution by _____.
 - a. Moving the victim to fresh air
 - b. Removing the contaminated clothing
 - c. Flushing the skin or eyes for at least 20 minutes with running water
 - d. all of the above
13. The Guide which is identified for sodium hydroxide solution is 154. If there was to be a fire involving a tank truck delivering this commodity to the plant which involves the tank area, the Guide recommends to ISOLATE _____ in all directions.
 - a. 3,000 meters
 - b. 3 miles
 - c. 1/2 mile

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- d. 8 mil
14. The Guide which is identified for sodium hydroxide solution is 154. If there was to be a spill involving a tank truck delivering this commodity to the plant, the Guide advises structural firefighters' protective clothing is _____.
- safe to wear while stopping the spill
 - safe to wear only if the spill is inside the plant
 - not effective in spill situations
 - None of the above
15. The Guide which is identified for sodium hydroxide solution is 154. The Guide indicates that the PRIMARY hazard associated with the material is a _____.
- Fire or Explosion Hazard
 - Health
 - Spilling
 - Toxic Release
16. The commodity which has the 4 digit ID number 1049 is _____.
- Oxygen
 - Hydrogen
 - Acetylene
 - Hydrogen Sulfide
17. The Guide which is identified for hydrogen is 115. The Guide indicates that the PRIMARY hazard associated with the material is a _____.
- Fire or Explosion Hazard
 - Health
 - Spilling
 - Toxic Release
18. The Guide which is identified for hydrogen is 115. The Guide indicates that when the commodity is involved in a tank fire, the responders should _____.
- Fight the fire from a maximum distance
 - Use unmanned hose holders or monitor nozzles
 - Withdraw immediately in case of rising sound from venting safety devices
 - All of the above
19. When an entry in the blue border or yellow border pages is highlighted in green like 1005 Ammonia, the green border pages should be consulted because the material is a _____.
- Toxic Inhalation Hazard (TIH)
 - Chemical warfare agent
 - Dangerous water reactive material
 - all of the above
20. The abbreviation n.o.s. in the ERG means _____.
- not otherwise specified
 - no one survived
 - no odor smelled
 - no one smelled it

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21. The phone number for CHEMTREC may be found _____.
 - a. on the inside of the back cover
 - b. in the PUBLIC SAFETY section of each guide
 - c. in the yellow border pages
 - d. in the green border pages

22. The toll free number for CHEMTREC in the United States is _____.
 - a. 1-800-HELP ME 1
 - b. 1-800-CHM-TREC
 - c. 1-800-424-9300
 - d. 1-613-996-6666

23. The ability of the awareness level personnel to use the ERG is mandated by _____.
 - a. EPA in 40 CFR 1212.1365
 - b. USCG in 36 CFR 11.5
 - c. DOT in 49 CFR 172.36
 - d. OSHA in 29 CFR 1910.120, EPA 40 CFR 311

24. When using the Table of Initial Isolation and Protective Action Distances, a small spill is considered one involving _____.
 - a. up to 40 liters
 - b. up to 200 liters
 - c. up to 400 liters
 - d. up to 4,000 liters

25. If unable to obtain the 4 digit ID number or the shipping name and a placard is not present then _____ is used if the incident is believed to involve hazardous materials/WMD or dangerous goods.
 - a. Guide 199
 - b. Guide 100
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26. Where would you find an ERG in or near your normal work place?

Hazardous Materials Safety & Security Awareness - Post Test

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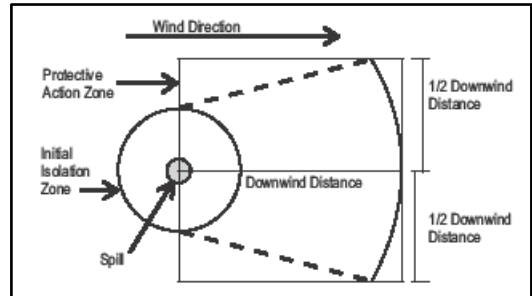
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Hazardous Materials Safety & Security Awareness – Answer Key

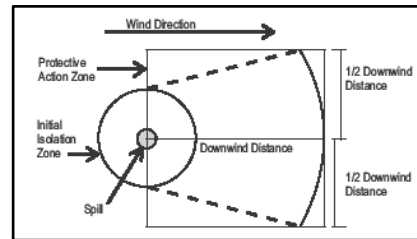
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