



OHIO FIRE ACADEMY HAZARDOUS MATERIALS/WMD AWARENESS COMPENTENCY EVALUATION

Candidate Name: _____

Implementing the Planned Response

Objective(s): NFPA Standard 472, 2002 Edition, 4.1.2.2; ODP Guidelines, Chapter 4

Primary Task: Initiating the Notification Process – Analyze the incident to determine both the hazardous materials present and the basic hazard and response information for each hazardous material by completing the following task: Detect the presence of hazardous materials; Survey a hazardous materials incident from a safe location to identify the name, UN/NA identification number, or type placard applied for any hazardous material involved; Collect hazardous information from the current edition of the *Emergency Response Guidebook*. Implement actions consistent with the local emergency response plan, the organization’s SOP, and the current edition of the *Emergency Response Guidebook* by initiating and completing the following task: Protective actions, Notification Process.

Skill No. 472HMAWARE-001 **PERFORMANCE CRITERIA AND INSTRUCTIONS**

INSTRUCTIONS TO THE EVALUATOR

1. The candidate shall be provided with the attached exercise worksheet and a current edition of the *Emergency Response Guidebook*.
2. The candidate shall be given the instructions below before beginning the exercise.
3. The candidate shall have 60 minutes to accurately complete the skill test.

INSTRUCTIONS TO THE CANDIDATE

“You have been provided with an exercise worksheet and a current edition of the Emergency response Guidebook. You are to answer the items on the worksheet in 60 minutes.”

PERFORMANCE	CRITICAL STEP	YES	NO
1. Identify hazardous material by name, placard, or UN/NA number.	©		
2. Used N.A.E.R.G.	©		
2. Implemented actions consistent with local emergency response plan.	©		
Reference:	TOTAL		

<p>©<i>Critical Step</i> – Failure on this step mandates failure on task!</p>	<p><i>CANDIDATE MUST COMPLETE (3) STEPS TOTAL TO PASS SKILL.</i></p>
<p><i>Time:</i></p>	<p>TEST DATE _____ LOCATION: _____</p>
<p>PREVENT & STOP UNSAFE ACTS!</p>	<p>EVALUATOR NAME (PRINT) _____</p> <p>EVALUATOR (SIGNATURE) _____</p> <p>EVALUATOR NAME (PRINT) _____</p> <p>EVALUATOR (SIGNATURE) _____</p>

**PERFORMANCE EVALUATION
HAZ MAT / WMD AWARENESS LEVEL**

SKILL TEST: 1

OBJECTIVE: NFPA Standard 472 (2002 edition); Chapter 4 ODP Guidelines

REFERENCE: 4.1.2.2

TASK: Analyze the incident to determine both the hazardous materials present and the basic hazard and response information for each hazardous material by completing the following task: Detect the presence of hazardous materials; Survey a hazardous materials incident from a safe location to identify the name, UN/NA identification number, or type placard applied for any hazardous material involved; Collect hazardous information from the current edition of the *Emergency Response Guidebook*. Implement actions consistent with the local emergency response plan, the organization's SOP, and the current edition of the *Emergency Response Guidebook* by initiating and completing the following task: Protective actions, Notification Process.

TOOLS AND EQUIPMENT: *North American Emergency Response Guidebook* (NAERG); local emergency response plan and the organization's standard operating procedure, provided by the authority having jurisdiction.

ATTAINMENT STANDARD: The candidate will complete 21 of the 30 elements of the assigned task within 60 minutes.

DID THE CANDIDATE:		PASS	FAIL
Utilizing the <u>North American Emergency Response Guidebook</u>, the candidate answered Questions 1 through 24:			
List the three methods for determining the appropriate guide page for that specific hazardous material.)			
1.	Four digit identification number		
	Used yellow-bordered page	PASS	FAIL
2.	Product name		
	Used blue-bordered page	PASS	FAIL
3.	Placard		
	Used Table of Placards	PASS	FAIL
List the two general types of hazards found on each guide page.			
4.	Fire or explosion	PASS	FAIL
5.	Health hazards	PASS	FAIL
Identify the definitions of isolating the hazard area and denying entry, evacuating, and sheltering in-place protection.			
6.	Isolating the hazard area and denying entry	PASS	FAIL
7.	Evacuation	PASS	FAIL
8.	Sheltering in-place protection	PASS	FAIL
Provide response information for selected hazardous materials.			
Given a UN/NA number identify			
9.	Emergency response actions required for fires involving tanks	PASS	FAIL
10.	Personal protective clothing for fire situations	PASS	FAIL
11.	Public safety isolation	PASS	FAIL
Given a chemical name identify			
12.	Public safety emergency action	PASS	FAIL
13.	Identify protective clothing required for spills with no fire	PASS	FAIL
14.	Identify Initial isolation and protective action distances	PASS	FAIL
15.	Is Polymerization a hazard for this chemical	PASS	FAIL
Identify the general shape of the recommended initial isolation and protective action zones.			
16.	Used green bordered pages to get information	PASS	FAIL
17.	Identify the shape of initial isolation zone	PASS	FAIL
18.	Identify the shape of protective action zone	PASS	FAIL
Describe a small spill and a large spill.			
19.	Small spill	PASS	FAIL
20.	Large spill	PASS	FAIL
List the circumstances under which the table of isolation and protective action distances and numbered guide isolation distances are used.			
21.	Table of Initial Isolation and Protective Action Distances	PASS	FAIL
22.	Numbered guides pages	PASS	FAIL

Describe the difference between the isolation distances in the orange-bordered pages and protective action distances in the green bordered pages.			
Table of Initial Isolation and Protective Action Distances			
23.	Initial Isolation distances for specific materials	PASS	FAIL
24.	Includes daytime and nighttime distance for small spill	PASS	FAIL
Identify the techniques used to isolate the hazard area and denying entry to unauthorized persons at hazardous materials incidents.			
25.	Identified and annotated correctly on worksheet basic actions used to isolate and deny entry at a hazardous materials incident	PASS	FAIL
In accordance with the <u>Local Emergency Response Plan</u>, and the Organization's Standard Operating Procedures the candidate will:			
Identify the location of both the local emergency response plan and the organization's standard operating procedures.			
26.	The local emergency response plan	PASS	FAIL
27.	The organization's standard operating procedures	PASS	FAIL
Identify the role of the first responder at the awareness level during a hazardous materials incident.			
28.	The role of the awareness level responder as stated in the local emergency response plan	PASS	FAIL
Identify a specific action necessary when an incident is suspected to involve criminal or terrorist activity.			
29.	Communicate suspicion during notification	PASS	FAIL
Identify the appropriate notifications to be made and how to make them.)			
30.	Appropriate initial notifications	PASS	FAIL

Date: _____

Candidate: _____

Evaluator: _____

Evaluator: _____

**PERFORMANCE EVALUATION WORKSHEET
AWARENESS LEVEL**

Candidate's Full Name: _____

Answer questions 1-9 utilizing the ERG

List the three methods for determining the appropriate guide page for a specific hazardous material.

METHOD

1. _____ bordered pages
2. _____ bordered pages
3. _____

List the two general types of hazards found on each guide page:

4. _____
5. _____

Identify the definitions of:

6. Isolating the hazard area and denying entry:

7. Evacuating:

8. Sheltering In-place:

Provide the response information for the following selected hazardous materials.
(Evaluator's choice)

UN/NA _____

9. **EMERGENCY RESPONSE** actions required for fires involving tanks:

10. Personal protective clothing required for **fire** situations:

11. **PUBLIC SAFETY** isolation:

Provide the response information for the following selected hazardous materials.
(Evaluator's choice)

Name of material _____

12. **PUBLIC SAFETY** emergency action:

13. Personal protective clothing required for spills and leaks **with no fire**:

14. **Initial isolation and protective action distances**: small and large spill, day and night

15. Is there a **Polymerization** hazard associated with this chemical?

Circle the correct response. a. Yes b. No

Using ID Number: 3294

16. What is the Initial Isolation and Protective Action Distances for a large night time spill of this chemical?

Initial Isolation Distance _____ feet

Protective Action Distance _____ miles

17/18. Identify the shape of the initial isolation zone and the shape of the protective action distance as shown in the North American Emergency Response Guidebook:





As used in the Table of Initial Isolation and Protective Action Distances, describe a:

19. Small spill

20. Large spill

List the circumstances under which the:

21. The **green bordered** pages are used.

22. The numbered **guide pages** are used.

23/24. The difference between the initial isolation and protective action distances (green-bordered pages) and the isolation distances (orange-bordered pages) is best described as: (circle the correct response)

- a. The distances in the orange-bordered guide pages are for materials that are highly toxic by inhalation and are more specific than the green-bordered pages
- b. The orange-bordered pages list evacuation distances for large and/or small spills and/or large and/or small fires. While the green-bordered pages provide distances for materials that are toxic by inhalation and provide an initial isolation distance and protective downwind follow on distance for both large and small spills during the day and night
- c. The orange-bordered pages provide distances for materials that are on fire only, while the green-bordered pages are used for all materials that are not on fire
- d. There is no difference between the distances in the green and orange bordered pages.

25. Identify the typical techniques used to isolate the hazard area and denying entry to unauthorized persons at a hazardous materials incident:

Answer questions 26-27 utilizing the your Local Emergency Response Plan and SOP.

Identify the location of the following:

26. Local emergency response plan:

27. Organizations standard operating procedures:

28. Identify the role of the first responder at the awareness level during a hazardous materials incident.

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29. As an Awareness Level Responder you suspect an incident to involve criminal or terrorist activity you would: (circle the correct answer)
- a. Call the Pentagon to ensure a military presence is provided.
 - b. Inform whom ever you report the emergency to of your suspicions.
 - c. Call the local FBI office before reporting the incident to anyone.
 - d. Leave the area immediately and then report the incident to the nearest Alcohol Tobacco and Firearms office.

30. What telephone number would you dial to report a hazardous materials incident?
