



HAZARDOUS MATERIALS AWARENESS

NFPA 470, 2022 Edition

Core Competencies

5.2 Recognition and Identification

JPR - HMA #1

5.2.1 Recognize and Identify the Presence of Hazardous Materials

Created: December 19, 2023

Identify indicators and hazards present at a hazardous material incident using approved reference material

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.1 NFPA 470 2022 Edition		TASK: Given a Hazmat Incident, use approved resources to identify indicators and hazards present.			
PERFORMANCE OUTCOME: The candidate will use a North American Emergency Response Guidebook to identify the presence, hazards associated with and all other relevant information associated with a hazardous materials incident. The candidate must complete 9 of 9 items to successfully complete this skill					
EQUIPMENT REQUIRED:					
<ul style="list-style-type: none"> • Binoculars • Structural Firefighting PPE • ERG. • Note pad 					
CONDITIONS: Given a NAERG, binoculars and simulated hazardous materials incident, the candidate shall demonstrate the ability					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Recognize indicators of the presence of Hazardous Material or WMD				
2.	Identify potential hazards using one or more of the following: A. Placards B. UN/NA markings C. NFPA 704 markings D. Pipeline markings E. Container markings F. Rail Car/Road Trailer Identification G. Knowledge of person(s) on scene				
3.	Use approved reference sources to identify the following: <ul style="list-style-type: none"> • Hazardous material(s) by name(s) • Emergency response information • Potential fire, explosion and health hazards 				
	Use the ERG to:				
4.	Identify hazardous material(s) by name(s)				
5.	Determine the ERG Guide No.				
6.	Identify initial evacuation distances for a large spill.				
7.	Identify isolation distance if the material is on fire.				
8.	Determine the appropriate PPE.				
9.	Identify atmospheric conditions that may affect responder safety.				



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First Test:

Total points needed to pass: 9 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 9 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator	Date	Re-Test Candidate	Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS AWARENESS

NFPA 470, 2022 Edition

Core Competencies

5.2 Recognition and Identification

JPR - HMA #2

5.2.1 Recognize and Identify the Presence of Hazardous Materials

Created: December 19, 2023

Identify indicators and hazards present at a hazardous material incident using approved reference material.

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.1 NFPA 470 2022 Edition		TASK: Given a Hazmat Incident, use approved resources to identify indicators and hazards present.			
PERFORMANCE OUTCOME: The candidate will use a Safety Data Sheet to identify the presence, hazards associated with and all other relevant information associated with a hazardous materials incident. The candidate must complete 7 of 7 items to successfully complete this skill					
EQUIPMENT REQUIRED:					
• Binoculars		• Structural Firefighting PPE			
• Safety Data Sheet		• Note pad			
CONDITIONS: Given a SDS, binoculars and simulated hazardous materials incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Recognize indicators of the presence of Hazardous Material or WMD.				
2.	Identify potential hazards using one or more of the following: A. Placards B. UN/NA markings C. NFPA 704 markings D. Pipeline markings E. Container markings F. Rail car/ Road Trailer Identification G. Knowledge of person(s)				
	Use the SDS to:				
3.	Identify hazardous material(s) by name(s).				
4.	Determine emergency response information.				
5.	Identify Potential fire, explosion and health hazards.				
6.	Identify appropriate PPE.				
7.	Identify atmospheric conditions that may affect responder safety.				

First Test:

Total points needed to pass: 7 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 7 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____



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Candidate

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Re-Test Candidate

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HAZARDOUS MATERIALS AWARENESS

NFPA 470, 2022 Edition

Core Competencies

5.2 Recognition and Identification

JPR - HMA #3

5.2.1 Recognize and Identify the Presence of Hazardous Materials

Created: December 19, 2023

Identify indicators and hazards present at a hazardous material incident using approved reference material.

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.1 NFPA 470 2022 Edition	TASK: Given a Hazmat Incident, use approved resources to identify indicators and hazards present.				
PERFORMANCE OUTCOME: The candidate will use a Shipping Paper to identify the presence, hazards associated with and all other relevant information associated with a hazardous materials incident. The candidate must complete 7 of 7 items to successfully complete this skill.					
EQUIPMENT REQUIRED:					
<ul style="list-style-type: none"> • Binoculars • Shipping Paper 	<ul style="list-style-type: none"> • Structural Firefighting PPE • Note pad 				
CONDITIONS: Given a Shipping Paper, binoculars and simulated hazardous materials incident, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Recognize indicators of the presence of Hazardous Material or WMD.				
2.	Identify potential hazards using one or more of the following: <div style="display: flex; justify-content: space-between; padding: 0 20px;"> <div style="width: 45%;"> <ul style="list-style-type: none"> A. Placards B. UN/NA markings C. NFPA 704 markings D. Pipeline markings </div> <div style="width: 45%;"> <ul style="list-style-type: none"> E. Container markings F. Rail car/ Road Trailer Identification G. Knowledge of person(s) </div> </div>				
	Use the Shipping Paper to:				
3.	Identify hazardous material(s) by name(s).				
4.	Determine emergency response information.				
5.	Identify Potential fire, explosion and health hazards.				
6.	Identify appropriate PPE.				
7.	Identify atmospheric conditions that may affect responder safety.				

First Test:

Total points needed to pass: 7 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 7 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____



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5.3 Protective Actions

JPR - HMA #4

5.3.1 Implement Protective Actions

Created: December 19, 2023

Implement Protective Actions at a Hazardous Material Incident

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.1 NFPA 470 2022 Edition		TASK: Given a Hazmat Incident, identify and implement isolation procedures on an exposed area or potentially hazardous area.			
PERFORMANCE OUTCOME: The candidate will use an ERG to identify the presence, hazards associated with the hazardous materials incident, identify and implement the proper isolation area. The candidate must complete 6 of 8 items including any Must Pass items to successfully complete this skill					
EQUIPMENT REQUIRED:					
• Fire line do not cross tape and/or Pylons		• Structural Firefighting PPE		• Binoculars	
• ERG.		• SCBA			
CONDITIONS: Given the proper equipment listed and a simulated hazardous materials incident, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify the hazardous material involved in the incident. Must Pass				
2.	Identify the appropriate isolation area for the material involved. Must Pass				
3.	Secure and evacuate the isolation area.				
4.	Follow precautions for protecting responders and the public.				
5.	Following personal safety procedures.				
6.	Minimize/avoid hazards.				
7.	Ensure additional people are not harmed or injured by denying entry.				
8.	Ensure that only authorized personnel enter the affected area.				

First Test:

Total points needed to pass: 6 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 6 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____



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5.4 Notification

JPR - HMA #5

5.4.1 Initiate required notifications at a hazmat incident.

Created: December 19, 2023

Make Appropriate Notifications of a Hazardous Materials Incident

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.4.1 NFPA 470, 2022 Edition	TASK: Given a simulated hazmat incident, communicate information and indicate the significance of those pieces of information.				
PERFORMANCE OUTCOME: The candidate will use appropriate communication equipment to relay information regarding the hazardous materials incident. The candidate must complete 4 of 4 items to successfully complete this skill, including any marked MUST PASS .					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Portable radio.• ERG.					
CONDITIONS: Given a portable radio and ERG, the candidate shall be able to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Operate approved communication equipment.				
2.	Identify hazards based on the situation by using the Emergency Response Guidebook.				
3.	Communicate all necessary information about the incident following policies and procedures.				
4.	Ensure notification process has been properly initiated. MUST PASS				

First Test:

Total points needed to pass: 4 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 4 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

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Core Competencies

5.4 Notification

JPR - HMA #6

5.4.1 Initiate Required Notifications at a Hazmat Incident.

Created: December 19, 2023

Make Appropriate Notifications of a Hazardous Materials Incident

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.4.1 NFPA 470, 2022 Edition	TASK: Given a simulated hazmat incident, communicate information and indicate the significance of those pieces of information.				
PERFORMANCE OUTCOME: The candidate will use appropriate communication equipment to relay information regarding the hazardous materials incident. The candidate must complete 4 of 4 items to successfully complete this skill, including any marked MUST PASS .					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Landline telephone.• ERG.					
CONDITIONS: Given a landline telephone and ERG, the candidate shall be able to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Operate approved communication equipment.				
2.	Identify hazards based on the situation by using the Emergency Response Guidebook.				
3.	Communicate all necessary information about the incident following policies and procedures.				
4.	Ensure notification process has been properly initiated. MUST PASS				

First Test:

Total points needed to pass: 4 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 4 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Evaluator

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: