



Nevada Department of
Public Safety
State Fire Marshal

Nevada Fire Service Certification System

Hazardous Materials Awareness Manipulative Skills Manual

Fire & Hazardous Material Training & Certification Bureau
Revised July 2024



AWARENESS MANIPULATIVE SKILL OBJECTIVES

RECOGNITION AND IDENTIFICATION

1. **The candidate will recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident.**

REFERENCE: NFPA 470, *Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders*, 2022 edition; 5.2.1

CONDITION: Given a picture and a competencies form provided the SFMD Training Bureau will answer the questions using an Emergency Response Guide book or other approved reference sources provided by their AHJ.

COMPETENCE:

1. Recognize indicators to the presence of Hazardous Materials/WMD.
2. Identify hazardous materials/WMD by name, UN/NA identification number, placard applied, or container identification charts
3. Use the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards

Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS

INITIATE PROTECTIVE ACTIONS

2. **The candidate will document the isolation of the hazard area and explain denying entry at a hazardous materials incident.**

REFERENCE: NFPA 470, *Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders*, 2022 edition; 5.3.1

CONDITION: Given a picture and a competencies form provided the SFMD Training Bureau will answer the questions using an Emergency Response Guide book or other approved reference sources provided by their AHJ.

COMPETENCE:

1. Recognize precautions for protecting responders and the public
2. Identify hazard and isolation areas
3. Deny entry to prevent further exposure or harm
4. Avoid or minimize hazards

Candidate must successfully perform 3/4 steps including ALL CRITICAL POINTS

NOTIFICATION

- 3. The candidate will initiate required notifications at a hazardous materials/WMD incident.**

REFERENCE: NFPA 470, *Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders*, 2022 edition; 5.4.1

CONDITION: Given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment.

COMPETENCE:

1. Operate approved communications equipment
2. Communicate in accordance with policies and procedures
3. Communicate the necessary information

Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS

RECOGNITION AND IDENTIFICATION

Skill 1: The candidate will recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident, and approved reference sources. NFPA 470, 2022 edition, 5.2.1

CONDITION: Given a picture and a competencies form provided the SFMD Training Bureau will answer the questions using an Emergency Response Guide book or other approved reference sources provided by their AHJ.

APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

1. What is the indicator or indicators of the presence of hazardous materials/WMD?
2. Identify hazardous materials/WMD by name, UN/NA identification number, placard applied, or container identification charts.
 - Identify contents based on UN number
 - Identify correct guide number based on given information
 - Identify correct Isolation distances for Small or Large spill
 - Determine if chemical is combustible
 - Identify correct name of chemical by using ERG
3. Use the ERG, SDS, shipping papers with emergency response information and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards
 - Identify hazards of chemical (Health, Explosive, etc.)

Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS

Time: 15:00 Minutes

PERFORMANCE RATING ON THIS SKILL:

	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator Comments: _____

Evaluator #1: _____

(Please Print)

Evaluator #2: _____

(Please Print)

Notice to Evaluators: Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

Candidate's Signature: _____

INITIATE PROTECTIVE ACTIONS

Skill 2: The candidate shall document the isolation of the hazard area and explain denying entry at a hazardous materials/WMD incident. NFPA 470, 2022 edition, 5.3.1

CONDITION: Given a picture and a competencies form provided the SFMD Training Bureau will answer the questions using an Emergency Response Guide book or other approved reference sources provided by their AHJ.

APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Recognize precautions for protecting responders and the public.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify hazard and isolation areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Deny entry to prevent further exposure or harm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Avoid or minimize hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Candidate must successfully perform 3/4 steps including ALL CRITICAL POINTS

PERFORMANCE RATING ON THIS SKILL:	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator Comments: _____

Evaluator #1: _____
(Please Print)

Evaluator #2: _____
(Please Print)

Notice to Evaluators: Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

Candidate's Signature: _____

NOTIFICATION

Skill 3: The candidate will initiate required notifications at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment. NFPA 470, 2022 edition, 5.4.1

CONDITION: Given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment.

APPLICANT PERFORMED THE FOLLOWING COMPETENCIES:

	<u>1st. Att.</u>		<u>2nd Att.</u>	
	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>
1. Operate approved communications equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Communicate in accordance with policies and procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Communicate the necessary information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Candidate must successfully perform 3/3 steps including ALL CRITICAL POINTS

PERFORMANCE RATING ON THIS SKILL:	<u>PASS</u>	<u>FAIL</u>
First Attempt	<input type="checkbox"/>	<input type="checkbox"/>
Second Attempt	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator Comments: _____

Evaluator #1: _____
(Please Print)

Evaluator #2: _____
(Please Print)

Notice to Evaluators: Candidate must sign for **2nd attempt failures**. By this signature the candidate is notified that he/she has failed this skill and will be required to take a 3rd and final attempt, no sooner than 30 days from today's date. The 3rd attempt will consist of **this skill** plus **one additional skill** from this same area of the standard.

Candidate's Signature: _____