

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

General

Identify Potential Hazards and Action Options

Skill #1

PERFORMANCE STANDARD

Section 602

NFPA 1072, 2017 edition, 5.2.1, 5.2.1 (B)

Operations

OBJECTIVES

5.2.1

Identify the scope of the problem at a hazardous materials/WMD incident, given hazardous materials/WMD incident, an assignment, policies and procedures, and approved reference sources, so that container types, materials, location of any release, and surrounding conditions are identified, hazard information is collected, the potential behavior of a material and its container is identified, and the potential hazards, harm, and outcomes associated with that behavior are identified.

5.2.1 (B)

Identifying container types, materials, location of release, and surrounding conditions at a hazardous materials/WMD incident; collecting hazard information; communicating with pipeline operators, carrier representatives or responsible party; describing likely behavior of hazardous materials or WMD and its container; and describing the potential hazards, harm, and outcomes associated with that behavior and the surrounding conditions.

5.3.1

Identify the action options for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, approved reference sources, and the scope of the problem, so that response objectives, action options, safety precautions, suitability of approved personal protective equipment (PPE) available, and emergency decontamination needs are identified.

5.3.1 (B)

Identifying response objectives and action options based on the scope of the problem and available resources; identifying whether approved PPE is suitable incident conditions; and identifying emergency decontamination needs based on the scope of the problem.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION

Hazardous Materials Operations

Performance Standards

INSTRUCTIONS

You will be given a Hazardous Materials incident scenario, the applicable policies and procedures, and approved reference material, you are to Identify the scope of the problem, Identify the container type or types involved in the scenario to include the location of release, and surrounding conditions. You are to also identify the action options and response objectives to include mode(s) of operation, appropriate personal protective equipment, and emergency decontamination requirements.

You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps and all appropriate tasks.

Do you understand these instructions?

EXAMINER'S NOTE

The candidate will not be allowed to review the performance steps at the time of testing.

Provide the candidate with an incident scenario. This may be in the form of an actual staged scenario on the training field, a PowerPoint or multimedia presentation/video, or a photograph(s) with narratives.

Allow the candidate to analyze the scenario, they may use the ERG, NIOSH Pocket Guide, and applicable SDS, shipping papers, and other reference support material provided. The use of WISER on their personal electronic device (cell phone or tablet) is also acceptable.

PREPARATION & EQUIPMENT

- *Emergency Response Guidebook (ERG)*, most current edition
- *NIOSH Pocket Guidebook to Chemical Hazards*, most current edition
- *Wireless Information System for Emergency Responders (WISER)*
- Safety data sheets(S) (SDS)
- Shipping papers
- PPE/PCP compatibility charts/guides/manuals, if necessary
- A written or audio/visual representation of a scene or scenario provide product information response objectives applicable to policies and procedures according to the examinees AHJ. (i.e., PowerPoint Presentation) or an instructor prepared worksheet as needed.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
 Performance Standards

General

Identify Potential Hazards and Action Options

Skill #1

Candidate: _____ Date: _____

Academy: _____ Test Site: _____

HAZARDOUS MATERIALS OPERATIONS	<u>TEST</u>		<u>RETEST</u>	
Skill #1	S	U	S	U
<p>Identify the scope of the problem at a hazardous materials/WMD incident, given hazardous materials/WMD incident, an assignment, policies and procedures, and approved reference sources, so that container types, materials, location of any release, and surrounding conditions are identified, hazard information is collected, the potential behavior of a material and its container is identified, and the potential hazards, harm, and outcomes associated with that behavior are identified. 5.2.1</p> <p>Identifying container types, materials, location of release, and surrounding conditions at a hazardous materials/WMD incident; collecting hazard information; communicating with pipeline operators or carrier representatives; describing likely behavior of the hazardous materials or WMD and its container; and describing the potential hazards, harm, and outcomes associated with that behavior and the surrounding conditions. 5.2.1(B)</p> <p>Identify the action options for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, approved reference sources, and the scope of the problem, so that response objectives, action options, safety precautions, suitability of approved personal protective equipment (PPE) available, and emergency decontamination needs are identified. 5.3.1</p> <p>Identifying response objectives and action options based on the scope of the problem and available resources; identifying whether approved PPE is suitable for incident</p>				

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
 Performance Standards

conditions: and identifying emergency decontamination needs based on the scope of the problem. 5.3.1(B)				
The candidate shall:	S	U	S	U
a) Identify container types, materials, location of release, and surrounding conditions at a hazardous materials/WMD incident				
b) Collect hazard information				
c) Detail the actions of communicating with pipeline operators, carrier representatives and or responsible party.				
d) Describe likely behavior of the hazardous materials or WMD and its container.				
e) Describe the potential hazards, harm, and outcomes associated with that behavior and the surrounding conditions.				
f) Identify response objectives and action options based on the scope of the problem and available resources.				
g) Identify whether approved PPE is suitable for incident conditions				
h) Identify emergency decontamination needs based on the scope of the problem				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Evaluator/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

Certifying Examiner	Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Re-Test Certifying Examiner	Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

Operations

Container Identification Worksheet

RAILCAR TANK		
	Container Name	
1		
2		
3		
INTERMODAL TANK		
	Container Name	Type/Specification
1		
2		
3		
4		
5		
HIGHWAY CARGO TANK		
	Container Name.	MC/DOT Specification
1		
2		
3		
4		
5		
6		
7		
NON-BULK CONTAINER PACKAGING		
	Container Name/Type	
1		
2		
3		
4		
5		
Intermediate Bulk Containers & Ton Containers		
	Container Name/Type	
1		
2		
3		
FIXED FACILITY STORAGE TANK		
	Container Name	
1		
2		
3		
RADIOACTIVE MATERIAL PACKAGING		
	Container Name	Characteristics
1		
2		
3		
4		
5		

Safety Data Sheet Worksheet

Use the Safety Data Sheet for _____ provided to answer the following questions:

1. What are two ways to obtain an SDS during an emergency?

a. _____

b. _____

Section 1. Identification

2. What is the chemical/product name? _____

3. What other names can this product be shipped as? _____

4. How is this chemical used? _____

5. Are there restrictions on its use? If so, what are they? _____

6. Who is the manufacturer or responsible party? _____

7. What is their emergency contact number or numbers? _____

8. Who is the shipper? _____

9. What is their contact number? _____

10. What is their Emergency contact number? _____

Section 2. Hazard Identification

11. What is its GHS Classification for Health? _____

12. What is it for Environmental? _____

13. What is it for Physical? _____

14. What is its Signal Word? _____

15. What Hazard Statements are listed? _____

16. What Symbols are used? _____

17. What Precautionary Statements are listed? _____

Section 3. Composition

18. What is the chemical name? _____

19. What is the chemical's common name or synonyms? _____

20. What is the chemical's CAS number? _____

21. If this chemical is a mixture, what are the names and concentrations of the ingredients of the hazardous chemicals in it? _____

Section 4. First Aid Measures

22. What routes of exposure are of concern with this chemical? _____

23. What are the symptoms of exposure?

a. Acute: _____

b. Chronic: _____

24. What are the First Aid Measures that need to be applied if there is an accidental release with exposure to this product? _____

Section 5. Firefighting Measures

25. What extinguishing agents should be applied to this product in case of a fire?

26. What special hazards should be considered if this chemical is involved in a fire?

27. What protective equipment should be used if this chemical is involved in a fire?

Section 6. Accidental Release Measures

28. What are the precautions and procedures for handling an accidental release of this product?
a. Personal Precautions: _____

b. Protective Equipment: _____

c. Emergency Procedures: _____

d. Environmental Precautions: _____

e. Methods and materials for containment and clean-up: _____

Section 7. Handling and Storage

29. What is the recommended handling procedure for this product? _____

30. What is the recommended storage procedure for this product? _____

31. What products or chemicals are incompatible with this product? _____

Section 8. Exposure Control / Personal Protection

32. What is the PEL? _____

33. What is the STEL? _____

34. What is the IDLH? _____

35. What is the LD50 or LC50? _____

36. What PPE should be used for handling this product? _____

Section 9. Physical and Chemical Properties

37. Appearance: _____

38. Odor: _____

39. PH: _____

40. Melting/Freezing Point: _____

41. Boiling Point: _____

42. Flash Point: _____

43. Specific Gravity: _____

44. Solubility: _____

45. Auto-Ignition Temp: _____

46. Vapor Density: _____

47. Vapor Pressure: _____

48. Expansion Ratio: _____

49. Flammable Range: _____

Section 10. Stability and reactivity

50. Is it stable? If not, why? _____

51. Is it reactive? _____

a. If so, what is it incompatible with? _____

b. What does it produce? _____

52. Conditions to avoid? _____

53. Hazardous products of decomposition? _____

Section 11. Toxicological Information

54. Is the product a carcinogen? _____

55. Is this product a teratogen or mutagen? _____

56. Is this product radioactive? _____

Section 12. Ecological Information

57. What are the ecological concerns for a release of this product? _____

Section 13. Disposal considerations

58. What are the recommended disposal considerations for this product? _____

Section 14. Transportation Information

- 59. What is its proper shipping name? _____
- 60. What is its UN #? _____
- 61. What is its Hazard class or classes? _____
- 62. In what packing group does it belong? _____
- 63. Is this chemical/product a marine pollutant? _____

Section 15. Regulatory Information

- 64. What safety, health, and/or environmental regulations are specific to this product? _____

Section 16. Other Information

- 65. When was this SDS last revised? _____
- 66. Is there any other additional information of special concern? _____

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

General
Action Plan Implementation
Skill #2

PERFORMANCE STANDARD

Section 602

NFPA 1072, 2017 edition, 5.4.1, 5.4.1(B), 5.6.1, 5.6.1(B)

Operations

OBJECTIVE

5.4.1

Perform assigned tasks at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an assignment with limited potential of contact with hazardous materials/WMD, policies and procedures, the scope of the problem, approved tools, equipment, and PPE, so that protective actions and scene control are established and maintained, on-scene incident command is described, evidence is preserved, approved PPE is selected and used in the proper manner; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; assignments are completed; and gross decontamination of personnel, tools, equipment, and PPE is conducted in the field.

5.4.1(B)

Establishing and maintaining scene control; recognizing and preserving evidence; inspecting, donning, working in, going through contamination while wearing, and doffing approved PPE; isolating contaminated tools, equipment, and PPE; conducting gross decontamination contaminated personnel, tools, equipment, and PPE in the field; and cleaning, disinfecting, and inspecting approved tools, equipment, and PPE.

5.6.1

Evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of assigned tasks, and approved communication tools and equipment, so that the effectiveness of the assigned tasks is evaluated and communicated to the supervisor, who can adjust the IAP as needed.

5.6.1(B)

Determining incident status; determining whether the response objectives are being accomplished; using approved communications and equipment and communicating the status of assigned tasks.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

INSTRUCTIONS – procedures for achieving the objective

You, as part of a team, will be provided a scenario, reference material, personal protective clothing (including chemical protective clothing), and decontamination equipment. You shall analyze the incident, identify, and select the appropriate PPE.

Your team shall establish and maintain scene control, determine incident status, recognize, and preserve evidence, select and set up decontamination in a safe area, implement, prevent spread of contamination, avoid hazards and isolate contaminated tools, equipment, and PPE during decontamination.

You and your team will determine the response objectives are being accomplished, select approved communications and equipment, and communicate the status of assigned tasks.

After successfully completing the response objectives, communicating the status of assigned tasks and completion of decontamination you and your team shall clean, disinfect, and inspect approved tools, equipment, and PPE.

With regard to selecting and utilizing the appropriate PPE/CPC; once selected, it must be properly inspected and maintained as recommended. It must also be properly donned, used/work in, and doffed. All PPE/CPC reporting and documentation requirements per the AHJ must be completed.

You shall respond verbally or in the written form as may be appropriate. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

EXAMINER'S NOTE

The candidate will not be allowed to review the performance steps at the time of testing.

Provide the candidate with an incident scenario. This may be in the form of an actual staged scenario on the training field, a PowerPoint or multimedia presentation/video, or a photograph(s) with narratives.

Allow the candidate to analyze the scenario, they may use the ERG, NIOSH Pocket Guide, and applicable SDS, shipping papers, and other reference support material provided. The use of WISER on their personal electronic device (cell phone or tablet) is also acceptable.

The candidate will perform as a member of a team. Each member of the team will be randomly selected to perform a different/separate function on the team.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

Their response must include:

1. Establish and maintain scene control.
2. Determine incident status.
3. Recognize and preserve evidence.
4. Select and set up decontamination in a safe area.
5. Use approved PPE, inspect, don, work in, go through decontamination while wearing, and doff approved PPE.
6. Determine whether the response objectives are being accomplished.
7. Use approved communications and equipment.
8. Communicate the status of assigned tasks.
9. Implement and avoid hazards during decontamination
10. Isolate contaminated tools, equipment, and PPE.
11. DOFF PPE, conduct decontamination of contaminated personnel, and gross decontamination of tools, equipment, and PPE in the field.
12. Clean disinfect, and inspect approved tools, equipment, and PPE.

PREPARATION & EQUIPMENT

- *Emergency Response Guidebook (ERG)*, most current edition
- *NIOSH Pocket Guidebook to Chemical Hazards*, most current edition
- *Wireless Information System for Emergency Responders (WISER)*
- Safety data sheets(S) (SDS)
- Shipping papers
- PPE/PCP compatibility charts/guides/manuals
- PPE/CPC including:
 - Vapor Protective Clothing (Level A)
 - Splash Protective Clothing (Level B)
 - Support Protective Garments (Level C)
 - Primary Protective Work Garments (Level D)
 - Structural Firefighting Protective Ensembles (Bunker Gear)
 - Positive Pressure Self-Contained Breathing Apparatus (SCBA)
 - Air Purifying Respirators (APR or PAPR)
- Approved communication devices (Radio, cell phone, etc.)
- Decontamination supplies/equipment
- A written or audio/visual representation of a scene or scenario (i.e., PowerPoint Presentation) or an instructor prepared worksheet as needed.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
 Performance Standards

General
 Action Plan Implementation
Skill #2

Candidate: _____ Date: _____

Academy: _____ Test Site: _____

HAZARDOUS MATERIALS OPERATIONS	<u>TEST</u>		<u>RETEST</u>	
	S	U	S	U
<p>Skill #2</p> <p>Perform assigned tasks at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an assignment with limited potential of contact with hazardous materials/WMD, policies and procedures, the scope of the problem, approved tools, equipment, and PPE, so that protective actions and scene control are established and maintained, on-scene incident command is described, evidence is preserved, approved PPE is selected and used in the proper manner; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; assignments are completed; and gross decontamination of personnel, tools, equipment, and PPE is conducted in the field. (5.4.1)</p> <p>Establishing and maintaining scene control; recognizing and preserving evidence; inspecting, donning, working in, going through contamination while wearing, and doffing approved PPE; isolating contaminated tools, equipment, and PPE; conducting gross decontamination contaminated personnel, tools, equipment, and PPE in the field; and cleaning, disinfecting, and inspecting approved tools, equipment, and PPE. (5.4.1(B))</p> <p>Evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of assigned tasks, and approved communication tools and equipment, so that the effectiveness of the assigned tasks is evaluated and communicated to the supervisor, who can adjust the IAP as needed. (5.6.1)</p>				

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
 Performance Standards

Determining incident status; determining whether the response objectives are being accomplished; using approved communications and equipment and communicating the status of assigned tasks. (5.6.1(B))				
The candidate shall:	S	U	S	U
a) Establish and maintain scene control				
b) Determine incident status				
c) Recognize and preserve evidence				
d) Set up decontamination in a safe area				
e) Use approved PPE in the proper manner				
f) Inspect, don, work in, and go through decontamination while wearing approved PPE				
g) Determine whether the response objectives are being accomplished				
h) Use approved communications and equipment				
i) Communicate the status of assigned tasks				
j) Prevent spread of contamination				
k) Avoid hazards during decontamination				
l) Isolate contaminated tools, equipment, and PPE				
m) Conduct decontamination of contaminated personnel, and gross decontamination of tools, equipment and PPE in the field, and doff PPE				
n) Clean, disinfect, and inspect approved tools, equipment, and PPE				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Evaluator/Candidate Comments:

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner	Date	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Re-Test Certifying Examiner	Date	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

General
Emergency Decontamination
Skill #3

PERFORMANCE STANDARD

Section 602

NFPA 1072, 2017 edition, 5.5.1, 5.5.1(B)

Operations

OBJECTIVE

5.5.1

Perform emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination, so that emergency decontamination needs are identified, approved PPE is selected and used, exposures and personnel are protected, safety procedures are followed, hazards are avoided or minimized, emergency decontamination is set up and implemented, and victims and responders are decontaminated.

5.5.1(B)

Selecting an emergency decontamination method; setting up emergency decontamination in a safe area; using PPE in the proper manner; implementing emergency decontamination; preventing spread of contamination; and avoiding hazards during emergency decontamination.

INSTRUCTIONS – procedures for achieving the objective

Given a scenario and the personal protective equipment, emergency response and hazardous materials response equipment including decontamination equipment provided by the AHJ, you shall demonstrate local procedures for responders undergoing the emergency decontamination process. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

EXAMINER'S NOTE

The candidate will not be allowed to review the performance steps at the time of testing. Provide the candidate with an incident scenario. This may be in the form of an actual staged scenario on the training field, a PowerPoint or multimedia presentation/video, or a photograph(s) with narratives.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

Allow the candidate to analyze the scenario, they may use the ERG, NIOSH Pocket Guide, an applicable SDS, shipping papers, and other reference support material provided. The use of WISER on their personal electronic device (cell phone or tablet) is also acceptable.

PREPARATION & EQUIPMENT

- Hazardous materials incident scenario
- Reference material
- Personal protective equipment provided by the AHJ
- Emergency response and hazardous materials response equipment
- Decontamination equipment

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
 Performance Standards

General
 Emergency Decontamination
Skill #3

Candidate: _____ Date: _____

Academy: _____ Test Site: _____

HAZARDOUS MATERIALS OPERATIONS	<u>TEST</u>		<u>RETEST</u>	
Skill #3	S	U	S	U
Perform emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination, so that emergency decontamination needs are identified, approved PPE is selected and used, exposures and personnel are protected, safety procedures are followed, hazards are avoided or minimized, emergency decontamination is set up and implemented, and victims and responders are decontaminated. 5.5.1				
Selecting an emergency contamination method; setting up emergency decontamination in a safe area; using PPE in the proper manner; implementing emergency decontamination; preventing spread of contamination; and avoiding hazards during emergency decontamination. 5.5.1(B)				
The candidate shall:	S	U	S	U
a) Select an emergency contamination method				
b) Set up emergency decontamination in a safe area				
c) Use approved PPE in the proper manner				
d) Implement emergency decontamination				
e) Prevent spread of contamination				
f) Avoid hazards during emergency decontamination				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations
Performance Standards

Evaluator/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
Performance Standards

General

Personal Protective Equipment & Product Control

Skill #4

PERFORMANCE STANDARD

Section 603

NFPA1072, 2017 edition, 6.2.1, 6.2.1(B), 6.6.1, 6.6.1(B) Operations-MS (PPE & PC)

OBJECTIVES

6.2.1

Select, don, work in, and doff approved PPE at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; a mission-specific assignment in an IAP that requires use of PPE; the scope of the problem; response objectives and options for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; approved PPE; and policies and procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected, inspected, donned, worked in, decontaminated, and doffed; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; and all reports and documentation pertaining to PPE use are completed.

6.2.1(B)

Selecting PPE for the assignment; inspecting, maintaining, storing, donning, working in, and doffing PPE; going through decontamination process (emergency and technical) while wearing PPE; reporting and documenting the use of PPE.

6.6.1

Perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, control agents, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; a product control technique is selected and implemented; the product is controlled; victims, personnel, tools, and equipment are decontaminated; and product control operations are reported and documented.

6.6.1(B)

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
Performance Standards

Selecting and using PPE; selecting and performing product control techniques to confine/contain the release with limited risk of personal exposure; using approved control agents and equipment on a release involving hazardous materials/WMD; using remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities; and performing product control techniques.

INSTRUCTIONS - procedures for achieving the objective

You, as part of team, will be provided a scenario, reference material, personal protective clothing, and equipment (including chemical protective clothing), product control equipment, and decontamination equipment. You shall analyze the incident, identify, and select the appropriate PPE and product control options.

Your team shall establish an incident response plan that includes identifying the products and hazards involved, selecting the appropriate PPE/CPC, select and perform product control techniques to confine/contain the release with limited risk of personal exposure while identifying which approved control agents and/or equipment are appropriate to use on a release involving the identified hazardous materials/WMD.

You and your team will demonstrate competence in using remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities as relevant to the scenario provided and perform product control techniques appropriate to situation.

After successfully completing product control actions, you and your team will perform appropriate decontamination procedures (emergency and/or technical).

With regard to selecting and utilizing the appropriate PPE/CPC; once selected, it must be properly inspected and maintained as recommended. It must also be properly donned, used/work in, and doffed. All PPE/CPC reporting and documentation requirements per the AHJ must be completed.

You shall respond verbally or in the written form as may be appropriate. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

EXAMINER'S NOTE

The candidate will not be allowed to review the performance steps at the time of testing.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
Performance Standards

Provide the candidate with an incident scenario. This may be in the form of an actual staged scenario on the training field, a PowerPoint or multimedia presentation/video, or a photograph(s) with narratives.

Allow the candidate to analyze the scenario, they may use the ERG, NIOSH Pocket Guide, and applicable SDS, shipping papers, and other reference support material provided. The use of WISER on their personal electronic device (cell phone or tablet) is also acceptable.

The candidate will perform as a member of a team. Each member of the team will be randomly selected to perform a different/separate function on the team.

Their response must include:

1. Identifying the products and hazards involved
2. Selecting the appropriate PPE/CPC.
3. Selecting and performing product control techniques to confine/contain the release with limited risk of personal exposure.
4. Identification of approved control agents and/or equipment appropriate for use on the identified hazardous materials/WMD.
5. Demonstration of competence in using remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities as may be relevant to the scenario provided.
6. Perform product control techniques appropriate to situation.
7. Performance of appropriate decontamination procedures (emergency and/or technical).

PREPARATION & EQUIPMENT

- *Emergency Response Guidebook (ERG)*, most current edition
- *NIOSH Pocket Guide to Chemical Hazards*, most current edition
- *Wireless Information System for Emergency Responders (WISER)*
- Safety data sheet(s) (SDS)
- Shipping papers
- Monitoring and Detection equipment (Simulators/training aids are acceptable)
- PPE/CPC compatibility charts/guides/manuals
- PPE/CPC including:
 - Vapor Protective Clothing (Level A)
 - Splash Protective Clothing (Level B)
 - Support Protective Garments (Level C)
 - Primary Protective Work Garments (Level D)

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
Performance Standards

- Structural Firefighting Protective Ensembles (Bunker Gear)
- Positive Pressure Self-Contained Breathing Apparatus (SCBA)
- Air Purifying Respirators (APR or PAPR)
- Approved communication devices (Radio, cell phone, etc.)
- Product Control Equipment (Absorbent boom/pad material, adsorbent material, foam concentrate (or simulated) and foam production devices, diking, damming, confinement and containment equipment and material).
- Decontamination supplies/equipment
- A written or audio/visual representation of a scene or scenario (i.e. PowerPoint Presentation) or an instructor prepared worksheet as needed.

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
 Performance Standards

General
 Personal Protective Equipment & Product Control
Skill #4

Candidate: _____ Date: _____

Academy: _____ Test Site: _____

HAZARDOUS MATERIALS OPERATIONS MISSION SPECIFIC COMPETENCIES	<u>TEST</u>		<u>RETEST</u>	
	S	U	S	U
Skill #4				
<p>Select, don, work in, and doff approved PPE at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; a mission-specific assignment in an IAP that requires use of PPE; the scope of the problem; response objectives and options for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; approved PPE; and policies and procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected, inspected, donned, worked in, decontaminated, and doffed; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; and all reports and documentation pertaining to PPE use are completed.</p> <p style="text-align: right;">(6.2.1)</p>				
<p>Selecting PPE for the assignment; inspecting, maintaining, storing, donning, working in, and doffing PPE; going through decontamination process (emergency and technical) while wearing PPE; reporting and documenting the use of PPE.</p> <p style="text-align: right;">(6.2.1(B))</p>				
<p>Perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, control</p>				

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
 Performance Standards

agents, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; a product control technique is selected and implemented; the product is controlled; victims, personnel, tools, and equipment are decontaminated; and product control operations are reported and documented. (6.6.1)				
Selecting and using PPE; selecting and performing product control techniques to confine/contain the release with limited risk of personal exposure; using approved control agents and equipment on a release involving hazardous materials/WMD; using remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities; and performing product control techniques. (6.6.1(B))				
The candidate shall:	S	U	S	U
a) Select and use the appropriate PPE for the assignment				
b) Demonstrate the following PPE skills: <ul style="list-style-type: none"> • Inspection • Maintenance • Donning • Working in • Doffing 				
c) Select and perform product control techniques to confine/contain the release with limited risk of personal exposure				
d) Identify which approved control agents and equipment to use on a release involving hazardous materials/WMD				
e) Demonstrate competence in using remote control valves and emergency shutoff devices on cargo tanks				

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.

TEXAS COMMISSION ON FIRE PROTECTION
Hazardous Materials Operations – Mission Specific Competencies
 Performance Standards

and intermodal tanks in transportation and/or containers at fixed facilities (Based on scenario provided)				
f) Perform product control techniques appropriate to situation				
g) Demonstrate competence in going through decontamination procedures (emergency and technical) while wearing PPE				
h) Report and document use of PPE				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet performance objective

Evaluator/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Reprinted with permission from NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, Copyright © 2016, National Fire Protection Association, Quincy, MA 02169. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented only by the standard in its entirety.