



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.2 Analyzing the incident

JPR - HMO #1

5.2.1 Surveying the Hazardous Materials/WMD Incidents

Revised: Nov 8, 2016

Identify information on a PESTICIDE LABEL

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.1.3.2 (1-6) NFPA 472, 2013 Edition	TASK: Given a pesticide label, identify information and indicate the significance of that piece of information.				
PERFORMANCE OUTCOME: The candidate will identify information on a pesticide label within 30 minutes. The candidate must pass a minimum of 9 of the 12 items to successfully complete this skill					
EQUIPMENT REQUIRED:					
<ul style="list-style-type: none"> <li style="width: 50%;">• Pesticide label <li style="width: 50%;">• Pencil/pen <li style="width: 50%;">• NAERG. <li style="width: 50%;">• Paper 					
CONDITIONS: Given a pesticide label, pencil/pen, and paper, the candidate shall demonstrate the ability to:					
		FIRST TEST	RETEST		
NO.	TASK STEPS	Pass	Fail	Pass	Fail
1.	Identify the Product Name:				
2.	Significance of Product Name:				
3.	Identify Signal Word:				
4.	Significance of Signal Word:				
5.	Identify the Pest Control Product (EPA) number:				
6.	Significance of EPA number:				
7.	Identify Precautionary Statement:				
8.	Significance of Precautionary Statement:				
9.	Identify the Hazard Statement:				
10.	Significance of Hazard Statement:				
11.	Identify Active Ingredient:				
12.	Significance of Active Ingredient:				

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 OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.2 Analyzing the incident

JPR - HMO #2

5.2.2 Collect hazard and response information

Revised: Nov 8, 2016

Identify hazard and response information using an MSDS

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.2.3 (a-j) NFPA 472, 2013 Edition	TASK: Identify hazard and response information given an MSDS.				
PERFORMANCE OUTCOME: The candidate will collect hazard and response information using an MSDS within 30 minutes. The candidate must pass a minimum of 14 of the 20 items to successfully complete this skill.					
EQUIPMENT REQUIRED:					
<ul style="list-style-type: none"> • Materials safety data sheets (MSDS) for Ethylene Oxide. • Pen/pencil • Paper 					
CONDITIONS: Given a material safety data sheet (MSDS) for Ethylene Oxide, the candidate shall demonstrate the ability to identify the following hazard and response information:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Physical and chemical characteristics:				
1.	Boiling point:				
2.	Specific gravity:				
3.	Appearance:				
4.	Odor				
5.	Physical hazards of the material:				
6.	Health hazards of the materials:				
	Signs and symptoms of exposure:				
7.	Ingestion:				
8.	Inhalation:				
9.	Skin contact:				
10.	Eye contact:				
11.	Routes of entry:				
	Permissible exposure limits:				
12.	TWA:				
13.	Responsible party contact:				
	Precaution for safe handling:				
14.	Hygiene practices:				
15.	Protective measures and clean-up of spills and leaks:				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
16.	Applicable control measure including personal protective equipment:				
	Emergency and first aid procedures:				
17.	Ingestion:				
18.	Inhalation:				
19.	Skin contact:				
20.	Eye contact:				

First Test:

Total points needed to pass: 14 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 14 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Evaluator

Date

Re-Test Candidate

Date

Evaluator/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 Goal

JPR – HMO #3

5.4.1 Establishing Scene Control

Revised: Nov 8, 2016

Perform Emergency Decontamination

Candidate: _____

Date: _____

Student#: _____

<p>STANDARD: 5.1.2.2(3)(a,b,c,d,e) 5.1.2.2(4)(a,b) 5.4.1.(4) NFPA 472, 2013 Edition</p>	<p>TASK: Given a scenario involving hazardous materials/WMD incidents, the operations level responder shall perform emergency decontamination.</p> <p>Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.</p>
--	---

PERFORMANCE OUTCOME: The candidate shall don PPE and SCBA and perform emergency decontamination. The candidate must score a **minimum of 10 out of 14 steps**, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- Personal protective equipment
- Self-contained breathing apparatus,
- Water supply
- Hoses
- Brushes
- Containment area
- Product name and NAERG
- Radios
- Pylons

CONDITIONS: Given a scenario involving hazardous materials/WMD incidents, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders are wearing PPE appropriate for the product, to perform emergency decontamination MUST PASS				
6.	Remove contaminated person from threatened area				
7.	Immediately wash any contaminated clothing or exposed body parts with flooding quantities of water MUST PASS				
8.	Remove contaminated person's clothing and/or PPE rapidly MUST PASS				
9.	Perform a quick cycle of head-to-toe rinse, wash, and rinse				
10.	Transfer the victim to treatment personnel for assessment, first aid, and medical treatment				
11.	Ensure that ambulance and hospital personnel are informed about the contaminant involved MUST PASS				
12.	Evaluate the status of the incident action plan				
13.	Communicate the status of the incident action plan				
14.	Proceed to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 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 OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.4– Implementing the Planned Response
5.4.4 Using Personal Protective Equipment

JPR - HMO #4

Revised: Nov 9, 2016

Mission Specific

6.2 – Personal Protective Clothing

Donning and Doffing Structural Firefighting PPE and SCBA

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.4.4, 6.2.4.1(3), 6.2.5.1, NFPA 472, 2013 Edition	<p>TASK: Demonstrate donning, working in, and doffing structural firefighting personal protective equipment and positive pressure self-contained breathing apparatus.</p> <p>Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.</p>
---	--

PERFORMANCE OUTCOME: The candidate will don and doff structural firefighting personal protective clothing and SCBA.
THE CANDIDATE MUST SCORE 100% TO SUCCESSFULLY COMPLETE THIS SKILL.

EQUIPMENT REQUIRED:

- Structural firefighting personal protective clothing
- Self-contained breathing apparatus.

CONDITIONS: Given structural firefighting personal protective clothing and SCBA, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	DONNING				
1.	Don pants and boots				
2.	Don protective hood				
3.	Don coat				
	Don SCBA				
4.	Ensure cylinder is full				
5.	Open cylinder valve fully				
6.	Listen for PASS alarm and low air alarm				
7.	Secures straps on SCBA				
8.	Don face piece				
9.	Check face seal				
10.	Pull flash hood up				
11.	Connect regulator				
12.	Don helmet				
13.	Don gloves				
14.	Work in contaminated area				
15.	Control breathing				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
16.	Exit hazard area				
	DOFFING				
17.	Removes SCBA and place all equipment in a ready state for reuse				
18.	Document use of personal protective equipment				

First Test:

Total points needed to pass: 18 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 18 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Evaluator **Date** **Re-Test Candidate** **Date**

Evaluator/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

JPR – HMO #5

5.1.2– Implementing the Planned Response

Revised: Nov 10, 2016

Mission Specific

6.6.4.1 Performing Control Options

Using Firefighting Foam for vapour suppression

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d),5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(1), 6.6.4.1(3)(j)NFPA 472, 2013 Edition		TASK: Using appropriate fire-fighting foam or vapour suppressing agent and foam equipment, demonstrate the proper application of the fire-fighting foam(s) or vapour suppressing agent(s) on a spill or fire involving hazardous materials. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
PERFORMANCE OUTCOME: The candidate shall use firefighting foam for fire control and/or vapor suppression. The candidate must score a minimum of 10 out of 14 steps, including all MUST PASS items, to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Firefighting foam • Foam equipment • Fire apparatus • Hazardous liquid, and burn area. • Full protective clothing • Self-contained breathing apparatus • Radios • Pylons 					
CONDITIONS: Given a hazardous material spill or fire, firefighting equipment, and firefighting foam, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in control functions are wearing PPE for performing vapor suppression operations MUST PASS				
6.	Select location to safely perform vapor suppression. Approach the spill or fire from uphill and upwind when possible MUST PASS				
7.	Determine the appropriate type of foam for the type of hazardous material present MUST PASS				
8.	Deploy foam educator and foam, and advance the hoseline to a position from which to apply the foam				
9.	Bleed the hoseline until finished foam is produced at the nozzle				
10.	Apply finished foam in an even layer covering the entire hazardous material spill area MUST PASS				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
11.	Do not disturb foam blanket				
12.	Evaluate the effectiveness of actions taken				
13.	Communicate to command the status of actions taken				
14.	Exit hazardous area upon completion of task				

First Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

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

Re-Test Evaluator	Date	Re-Test Candidate	Date
-------------------	------	-------------------	------

Evaluator/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO # 6

Revised: Nov 10, 2016

Control a Hazardous Material using Absorption

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(a) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using absorption. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.				
PERFORMANCE OUTCOME: The candidate shall use the appropriate tools and equipment and control a hazardous material spill using absorption. The candidate must score a minimum of 10 out of 13 steps, including all MUST PASS items, to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> <li style="width: 50%;">• Personal protective equipment <li style="width: 50%;">• Absorbent materials <li style="width: 50%;">• Self-contained breathing apparatus <li style="width: 50%;">• Leaking container <li style="width: 50%;">• Shovels <li style="width: 50%;">• Radios <li style="width: 50%;">• Rakes <li style="width: 50%;">• Pylons 					
CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
		FIRST TEST		RETEST	
No.	TASK STEPS	Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Select the most appropriate sorbent MUST PASS				
8.	Deploy the sorbent in a manner that most efficiently controls the spill MUST PASS				
9.	Evaluate the effectiveness of actions taken				
10.	Communicate to command the status of actions taken				
11.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
12.	Decontaminate tools				
13.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO # 7

Revised: Nov 10, 2016

Control a Hazardous Material using Adsorption

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(b) NFPA 472, 2013 Edition		TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material using adsorption. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
PERFORMANCE OUTCOME: The candidate shall use the appropriate tools and equipment and control a hazardous material spill using adsorption. The candidate must score a minimum of 10 out of 13 steps, including all MUST PASS items, to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • Absorbent materials • Leaking container • Radios • Pylons 					
CONDITIONS: Given a hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Select the most appropriate adsorbent MUST PASS				
8.	Deploy the adsorbent in a manner that most efficiently controls the spill MUST PASS				
9.	Evaluate the effectiveness of actions taken				
10.	Communicate to command the status of actions taken				
11.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
12.	Decontaminate tools				
13.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO # 8

Revised: Nov 10, 2016

Control a Hazardous Material by Damming

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(c) NFPA 472, 2013 Edition	<p>TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using damming.</p> <p>Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.</p>
---	--

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using damming. The candidate must score a minimum of 10 out of 14 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- Personal protective equipment
- Self-contained breathing apparatus
- Shovels
- Rakes
- dirt, sand or hay
- Plastic sheeting
- Leaking container
- Radios
- Pylons

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Construct a dam in a manner that controls the spill MUST PASS				
8.	Avoid contact with hazardous material MUST PASS				
9.	Ensure dam is not breached				
10.	Evaluate the effectiveness of actions taken				
11.	Communicate to command the status of actions taken				
12.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
13.	Decontaminate tools				
14.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

JPR – HMO #9

Revised: Nov 10, 2016

Mission Specific

6.6.1.2 –Goal

Control a Hazardous Material by Diking

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(d) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using diking. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.
---	--

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using diking. The candidate must score a minimum of 10 out of 14 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

<ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • dirt, sand or hay 	<ul style="list-style-type: none"> • Plastic sheeting • Leaking container • Radios • Pylons
--	---

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Construct the dike in a location and manner that most efficiently controls the spill and directs the spill to a desired location MUST PASS				
8.	Avoid contact with hazardous material MUST PASS				
9.	Ensure the dike is not breached				
10.	Evaluate the effectiveness of actions taken				
11.	Communicate to command the status of actions taken				
12.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
13.	Decontaminate tools				
14.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO #10

Revised: Nov 10, 2016

Control a Hazardous Material by Dilution

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,`c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(e) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using dilution. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.
--	--

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using dilution. The candidate must score a minimum of 12 out of 16 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • dirt, sand or hay • Plastic sheeting | <ul style="list-style-type: none"> • Leaking container • Radios • Pylons • Water Supply • Hoselines |
|--|--|

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Evaluate the rate of flow of the leak to determine the required capacity of the retention area and the quantity of water required to dilute the material MUST PASS				
8.	Create a retention area				
9.	Flow water to dilute spilled material MUST PASS				
10.	Avoid contact with hazardous material MUST PASS				
11.	Monitor any diking or dams to ensure the integrity of the retention area MUST PASS				
12.	Evaluate the effectiveness of actions taken				
13.	Communicate to command the status of actions taken				
14.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
15.	Decontaminate tools				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

16.	Advance to decontamination line for decontamination				
-----	---	--	--	--	--

First Test:

Total points needed to pass: 12 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 12 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date
-----------------------------------	-------------	------------------	-------------

Re-Test Proctor	Date	Re-Test Candidate	Date
------------------------	-------------	--------------------------	-------------

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO #11

Revised: Nov 10, 2016

Control a Hazardous Material by Diversion

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(f) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using diversion. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.
---	---

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using diversion. The candidate must score a minimum of 10 out of 13 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- | | |
|--|---|
| <ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • dirt, sand or hay | <ul style="list-style-type: none"> • Plastic sheeting • Leaking container • Radios • Pylons |
|--|---|

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Construct the diversion in a location and manner that most efficiently controls and directs the spill to a desired location. MUST PASS				
8.	Avoid contact with hazardous material MUST PASS				
9.	Evaluate the effectiveness of actions taken				
10.	Communicate to command the status of actions taken				
11.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
12.	Decontaminate tools				
13.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO #12

Revised: Nov 11, 2016

Control a Hazardous Material by Retention

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(g) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using retention. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.
---	---

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using retention. The candidate must score a minimum of 10 out of 14 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- | | |
|--|---|
| <ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • dirt, sand or hay | <ul style="list-style-type: none"> • Plastic sheeting • Leaking container • Radios • Pylons |
|--|---|

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Evaluate the rate of flow of the leak to determine the required capacity of the retention vessel. MUST PASS				
8.	Retain the hazardous liquid so that it can no longer flow. MUST PASS				
9.	Avoid contact with hazardous material MUST PASS				
10.	Evaluate the effectiveness of actions taken				
11.	Communicate to command the status of actions taken				
12.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
13.	Decontaminate tools				
14.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO #13

Revised: Nov 11, 2016

Control a Hazardous Material by Vapour Dispersion

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d)
5.1.2.2(4)(a,b), 5.5.2, 6.6.4.1(3)(i)
NFPA 472, 2013 Edition

TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using vapour dispersion.

Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.

PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using vapour dispersion. The candidate must score a minimum of 10 out of 14 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- Personal protective equipment
- Self-contained breathing apparatus
- Shovels
- Rakes
- dirt, sand or hay
- Leaking container
- Radios
- Pylons
- Hoseline
- Water supply

CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select a location to safely perform the task MUST PASS				
7.	Advance the hoseline to a position to apply agent through vapour cloud to disperse vapours. MUST PASS				
8.	Constantly monitor the leak concentration, wind direction, exposed personnel, environmental impact, and water stream effectiveness. MUST PASS				
9.	Avoid contact with hazardous material MUST PASS				
10.	Evaluate the effectiveness of actions taken				
11.	Communicate to command the status of actions taken				
12.	Upon mitigation of the hazard, place any contaminated material in an approved container. Seal and label the container.				
13.	Decontaminate tools				
14.	Advance to decontamination line for decontamination				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Core Competencies

5.1.2 - Goal

Mission Specific

6.6.1.2 –Goal

JPR – HMO #14

Revised: Nov 11, 2016

Control a Hazardous Material by Remote Valve Shutoff

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.2(3)(a,b,c,d) 5.1.2.2(4)(b), 5.5.2, 6.6.4.1(3)(i) NFPA 472, 2013 Edition		TASK: Using the appropriate tools and equipment, the candidate shall demonstrate how to control a hazardous material spill using remote valve shutoff. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.			
PERFORMANCE OUTCOME: The candidate shall control a hazardous material spill using remote valve shutoff. The candidate must score a minimum of 7 out of 9 steps, including all MUST PASS items, in order to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Personal protective equipment • Self-contained breathing apparatus • Shovels • Rakes • Leaking container • Radios • Pylons • Hoseline • Water supply • dirt, sand or hay 					
CONDITIONS: Given an hazardous material spill, and appropriate tools and equipment, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Identify and locate the emergency remote shutoff device. MUST PASS				
7.	Operate the emergency remote shutoff device properly. MUST PASS				
8.	Communicate to command the status of actions taken				
9.	Document in the activity log				

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 _____



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

JPR – HMO #15

Revised: Nov 11, 2016

6.3 – Mass Decontamination

Perform Mass Decontamination

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.3.4.1, 6.3.4.2, NFPA 472, 2013 Edition	<p>TASK: Using the appropriate tools and equipment, the candidate shall demonstrate the procedures for mass decontamination.</p> <p>Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.</p>
---	--

PERFORMANCE OUTCOME: The candidate shall demonstrate the procedures for mass decontamination. The candidate must score a minimum of 12 out of 17 steps, including all **MUST PASS** items, in order to successfully complete this skill.

EQUIPMENT REQUIRED:

- Personal protective equipment
- Self-contained breathing apparatus
- Hoseline
- Water supply
- Fog nozzle

CONDITIONS: Given a scenario involving mass exposure of people to a hazardous material, the candidate shall demonstrate the ability to:

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Prepare fire apparatus for use during mass decontamination.				
7.	Set nozzle to fog pattern. MUST PASS				
8.	Instruct ambulatory victim to go through mass decontamination				
9.	Carry non-ambulatory victims through mass decontamination according to departmental SOPs				
10.	Instruct victims to remove contaminated clothing, instructing victims to not come into further contact with any contaminants				
11.	Instruct victims to keep arms raised as they proceed through the wash area				
12.	Monitor for additional contamination using the appropriate detection device				
13.	If contamination is detected, repeat decontamination wash, and/or change decontamination method, as appropriate				
14.	Instruct victims to move to a clean area to dry off				
15.	Send victims for medical treatment				
16.	Inform EMS personnel of contaminant involved and its hazards, if known				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

17.	Document in activity log				
-----	--------------------------	--	--	--	--

First Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date

Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

JPR – HMO #16

Revised: Nov 11, 2016

6.4 – Technical Decontamination

Set up a Technical Decontamination Corridor

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.4.4.2(1) NFPA 472, 2013 Edition	TASK: Using the appropriate tools and equipment, the candidate shall demonstrate the procedures for setting up a technical decontamination corridor. Proctor Note: Whenever possible integrate the evaluation of this line item within a consolidated hazardous materials/emergency scenario. This will allow multiple line items to be evaluated effectively in conjunction with other hazardous materials/emergency scenario activities.
---	--

PERFORMANCE OUTCOME: The candidate shall demonstrate the procedures for setting up a technical decontamination corridor. The candidate must score a minimum of 11 out of 15 steps, including all **MUST PASS** items, in order to successfully complete this

EQUIPMENT REQUIRED:

- | | |
|--|----------|
| • Water supply | • PPE |
| • Decontamination supplies and equipment | • SCBA |
| • Local decontamination plan | • Pylons |

CONDITIONS: Given a scenario involving mass exposure of people to a hazardous material, the candidate shall demonstrate the ability to:

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene, obtain the local decontamination plan, and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Set up decontamination corridor uphill and upwind from the hot zone, away from remote drains or waterways. MUST PASS				
7.	Set up ground cover for secondary contamination and runoff containment. MUST PASS				
8.	Establish a tool-drop station in the hot zone at the entry to the decontamination corridor				
9.	Establish a gross decontamination station after the tool-drop station in the decontamination corridor MUST PASS				
10.	Establish a secondary decontamination station including appropriate cleaning solutions as instructed by the hazmat technician, SOPs, or allied professional MUST PASS				
11.	Establish a PPE removal station with waste disposal containers for contaminated PPE Must Pass				
12.	Establish a respiratory protection removal station MUST PASS <i>Note: Steps 11 and 12 may be reversed depending on the PPE worn.</i>				
13.	Establish an undergarment removal station with waste disposal containers for contaminated clothing				
14.	Establish a shower and clothing change station				
15.	Establish a medical evaluation area				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

JPR – HMO #17
Revised: Nov 13, 2016

6.2 – Personal Protective Equipment

6.4 – Technical Decontamination – Ambulatory

Perform Technical Decontamination- Ambulatory

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.2.4.1(4), 6.4.4.2(1)(2), NFPA 472 2013 Edition	TASK: The candidate shall demonstrate the technical decontamination process for ambulatory victims as specified in the planned response.				
PERFORMANCE OUTCOME: The candidate, working as a member of a team of no more than eight members and given a local decontamination plan and decontamination equipment, shall demonstrate how to perform technical decontamination on ambulatory victims as specified in the plan. The candidate must score a minimum of 13 out of 18 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> • Water supply • Decontamination supplies and equipment • Local decontamination plan • Pylons 	<ul style="list-style-type: none"> • PPE • SCBA 				
CONDITIONS: Given the local decontamination plan, decontamination supplies and equipment, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene, obtain the local decontamination plan, and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Establish a technical decontamination corridor, according to the local decontamination plan MUST PASS				
7.	Drop tools in collection container				
8.	Undergo gross decontamination MUST PASS				
9.	Undergo secondary decontamination wash MUST PASS				
10.	Remove outer PPE. Place PPE in container MUST PASS				
11.	Remove respiratory protection, removing face piece last MUST PASS <i>Note: Steps 10 and 11 may be reversed depending on the PPE worn</i>				
12.	Remove remaining clothing				
13.	Shower thoroughly from the top down				
14.	Monitor for additional contamination using the appropriate detection device				
15.	If contamination is detected, repeat decontamination wash and/or change decontamination method				
16.	Proceed to medical evaluation station				
17.	Decontamination Workers: Perform decontamination on each other, avoiding cross contamination. MUST PASS				
18.	Decontamination Workers: Ensure contaminated tools and equipment are contained in				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

drums				
-------	--	--	--	--

First Test:

Total points needed to pass: 13 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 13 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date
-----------------------------------	-------------	------------------	-------------

Re-Test Proctor	Date	Re-Test Candidate	Date
------------------------	-------------	--------------------------	-------------

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

JPR – HMO #18
Revised: Nov 13, 2016

6.4 – Technical Decontamination – Non-Ambulatory

Perform Technical Decontamination- Non-Ambulatory

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.4.4.2(1)(2), NFPA 472 2013 Edition	TASK: The candidate shall demonstrate the technical decontamination process for non-ambulatory victims as specified in the planned response.				
PERFORMANCE OUTCOME: The candidate, working as a member of a team of no more than eight members and given a local decontamination plan and decontamination equipment, shall demonstrate how to perform technical decontamination on non-ambulatory victims as specified in the plan. The candidate must score a minimum of 12 out of 17 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> • Water supply • Decontamination supplies and equipment • Local decontamination plan • PPE 	<ul style="list-style-type: none"> • Plastic Bags • SCBA • Pylons • Backboard/litter 				
CONDITIONS: Given the local decontamination plan, decontamination supplies and equipment, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene, obtain the local decontamination plan, and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Establish a technical decontamination corridor, according to the local decontamination plan				
7.	Establish an initial triage point to evaluate and direct persons				
8.	If necessary, perform lifesaving intervention				
9.	Transfer the victim to the non-ambulatory wash area of the decontamination station on an appropriate backboard/litter device				
10.	Remove all clothing, jewelry, and personal belongings, and place in appropriate containers. Decontaminate as required, and safe-guard. Use plastic bags with labels for identification.				
11.	Carefully undress non-ambulatory victims, and avoid spreading the contamination				
12.	Do not touch the outside of the clothing to the skin MUST PASS				
13.	Completely wash the victim's entire body, and then rinse. Pay close attention to the victim's armpits, folds in the skin, genital area, and nails. MUST PASS				
14.	Transfer the victim from wash and rinse stations to a drying station after completing decontamination. Ensure victim is completely dry.				
15.	Monitor for additional contamination using the appropriate detection device				
16.	If contamination is detected, repeat decontamination wash and/or change decontamination method				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

17.	Have medical personnel reevaluate the victim's injuries				
-----	---	--	--	--	--

First Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date
-------------------------------	-------------	------------------	-------------

Re-Test Proctor	Date	Re-Test Candidate	Date
------------------------	-------------	--------------------------	-------------

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.7.4 Air Monitoring and Sampling

JPR- HMO #19

Revised Nov 13, 2016

Perform a pH test on an unknown liquid

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.7.4(1), 2013 Edition	TASK: The candidate shall demonstrate the ability to perform a pH test on an unknown liquid.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to perform a pH test on an unknown liquid. The candidate must score a minimum of 11 out of 15 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> <li style="width: 50%;">• PPE <li style="width: 50%;">• SCBA <li style="width: 50%;">• Unknown liquid <li style="width: 50%;">• pH strips 					
CONDITIONS: Given an unknown liquid and pH strips, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select appropriate monitor for the situation MUST PASS				
7.	Check the expiration date of the pH papers				
8.	Prepare strips for testing				
9.	Approach the product from uphill and upwind MUST PASS				
10.	Do not contact the product MUST PASS				
11.	When approaching the product, determine the presence of corrosive vapours by waving wetted test paper in atmosphere MUST PASS				
12.	If vapours do not exist, take sample of liquid product using a pipette without personally coming into contact with the material MUST PASS				
13.	Compare results to pH paper chart to determine if the product is an acid, base or neutral MUST PASS				
14.	Dispose of contaminated test paper accordingly				
15.	Advance to decontamination line				

First Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.7.4 Air Monitoring and Sampling

JPR- HMO #20

Revised Nov 13, 2016

Perform air monitoring with a multi-gas meter

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.7.4(1), 2013 Edition	TASK: The candidate shall demonstrate the ability to perform air monitoring with a multi-gas meter.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to perform air monitoring using a multi-gas meter. The candidate must score a minimum of 11 out of 15 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> <li style="margin-right: 20px;">• PPE <li style="margin-right: 20px;">• SCBA • Multi-gas meter 					
CONDITIONS: Given a multi-gas meter, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Select appropriate monitor for the situation MUST PASS				
7.	Ensure that the multi-gas meter has been appropriately calibrated according to the manufacturer's instructions MUST PASS				
8.	Set up multi-gas meter and acquire a fresh air calibration MUST PASS				
9.	Approach the product from uphill and upwind MUST PASS				
10.	Do not contact the product MUST PASS				
11.	Test the atmosphere at various levels (ground level, medium range, high level) MUST PASS				
12.	Approach the release and determine presence of: MUST PASS <ul style="list-style-type: none"> a. Flammable atmosphere (10% of LEL) b. Oxygen – rich environment (above 23.5 %) c. Oxygen – deficient atmosphere (below 19.5%) d. Other toxic materials (dependent on sensor being used) 				
13.	If meter indicates an IDLH environment, take appropriate actions according to the AHJ MUST PASS				
14.	Decontaminate meter according to manufacturer's instructions				
15.	Advance to decontamination line				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.7.4 Air Monitoring and Sampling

JPR- HMO #21
Revised Nov 13, 2016

Perform air monitoring with colorimetric indicator tubes

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.7.4(1), 2013 Edition	TASK: The candidate shall demonstrate the ability to perform air monitoring with colorimetric indicator tubes.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to perform air monitoring using colorimetric indicator tubes. The candidate must score a minimum of 11 out of 15 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> <li style="margin-right: 20px;">• PPE <li style="margin-right: 20px;">• SCBA • Colourmetric indicator tubes 					
CONDITIONS: Given colorimetric indicator tubes, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	If material is known, select appropriate tube MUST PASS				
7.	Ensure that the tubes are within their expiration dates MUST PASS				
8.	Consult manufacturer's instructions for specific applications and use of each tube MUST PASS				
9.	Approach the product from uphill and upwind MUST PASS				
10.	Do not contact the product MUST PASS				
11.	Test the atmosphere at various levels (ground level, medium range, high level) MUST PASS				
12.	Break tips of both ends of tube and insert into colorimetric pump unit or insert colorimetric chip cartridge according to manufacturer's instructions MUST PASS				
13.	Compare results to instructions provided by the manufacturer MUST PASS				
14.	Decontaminate according to manufacturer's instructions. Dispose of used colorimetric tubes according to AHJ				
15.	Advance to decontamination line				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes_____ No_____

Second Test:

Total points needed to pass: 11 Total points scored: _____ All **MUST PASS** items passed: Yes_____ No_____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.7.4 Air Monitoring and Sampling

JPR- HMO #22
Revised Nov 13, 2016

Detect radiation using a gas-filled detector

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.7.4(1), 2013 Edition	TASK: The candidate shall demonstrate the ability to perform air monitoring with a gas filled detector.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to perform air monitoring using a gas filled detector. The candidate must score a minimum of 12 out of 16 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> <li style="margin-right: 20px;">• PPE <li style="margin-right: 20px;">• SCBA • Gas filled detector 					
CONDITIONS: Given a gas filled detector, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard Must Pass				
6.	Select appropriate monitor for the situation Must Pass				
7.	Ensure that the detector has been calibrated according to the manufacturer's instructions Must Pass				
8.	Start up the gas-filled meter and acquire back-ground radiation levels Must Pass				
9.	Approach the product from uphill and upwind Must Pass				
10.	Test the atmosphere at various levels (ground level, medium range, high level) Must Pass				
11.	Read the meter accordingly				
12.	Determine presence of alpha, beta, or gamma radiation Must Pass				
13.	Readings should be considered within the hot zone if: Must Pass				
	a. Gamma – two times above background				
	b. Alpha or Beta – 200-300 CPM above background				
14.	Compare radiation values to AHJ's SOP values to determine appropriate actions				
15.	Decontaminate according to manufacturer's instructions. Dispose of used colorimetric tubes according to AHJ				
16.	Advance to decontamination line				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 12 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recover

JPR- HMO #23
Revised Nov 13, 2016

Conduct a Triage

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(4), 2013 Edition	TASK: The candidate shall demonstrate the ability to conduct a triage.
--	---

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to conduct a triage. The candidate must score a minimum of 13 out of 18 steps, including all **MUST PASS** items, to successfully complete this skill.

Equipment:

- PPE
- Victims
- Triage tags
- SCBA
- Medical Equipment

CONDITIONS: Given a multiple victims, medical equipment and triage tags, the candidate shall demonstrate the ability to:

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Identify patients to be triaged				
7.	Assess patient's mobility				
8.	Assess patient's respiration				
9.	If patient is not breathing, attempt to open the airway. If breathing cannot be started by opening the airway, mark Priority 0 MUST PASS				
10.	If patient starts breathing, or their respiratory rate is more than 30/minute, mark Priority 1 MUST PASS				
11.	If respiratory rate is less than 30/minute, go to step 12				
12.	Assess radial pulse				
13.	If patient is breathing, but has no radial pulse, mark Priority 1 MUST PASS				
14.	If patient is breathing and has a pulse, go to step 15				
15.	Assess patient's level of consciousness				
16.	If patient is alert, mark Priority 2 MUST PASS				
17.	If any altered mental state, mark Priority 1 MUST PASS				
18.	Re-triage the Priority 3, "Walking Wounded" patients. Check for any change in medical condition MUST PASS				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 13 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 13 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recovery

JPR- HMO #24
Revised Nov 13, 2016

Demonstrate the Incline Drag

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(2)(3), 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate the incline drag.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the incline drag. The candidate must score a minimum of 10 out of 13 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> • PPE • SCBA • Victim 					
CONDITIONS: Given a victim, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Turn the victim in necessary, so that the victim is supine				
7.	Kneel at victim's head				
8.	Support the victim's head and neck MUST PASS				
9.	Lift the victim's body into a sitting position				
10.	Reach under the victim's arms				
11.	Grasp the victim's wrists				
12.	Stand				
13.	Move the victim to safety MUST PASS				

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recovery

JPR- HMO #25
Revised Nov 13, 2016

Demonstrate the Webbing Drag

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(2)(3), 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate the webbing drag.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the webbing drag. The candidate must score a minimum of 10 out of 13 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment:					
<ul style="list-style-type: none"> <li style="width: 50%;">• PPE <li style="width: 50%;">• SCBA <li style="width: 50%;">• Victim <li style="width: 50%;">• Webbing 					
CONDITIONS: Given a victim, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Place the victim on his/her back, if necessary				
7.	Slide the webbing loop under the victim's head and chest so the loop is even with their arm pits.				
8.	Position the victim's arms so that they are outside the webbing MUST PASS				
9.	Pull the top of the loop over the victim's head so that it is just past their head				
10.	Reach down through the loop and under the victim's back and grab the webbing				
11.	Pull the webbing up and through the loop so that each webbing loop is drawn snugly around the victim's shoulders				
12.	Adjust hand placement on the webbing to support the victim's head MUST PASS				
13.	Move the victim to safety by pulling on the webbing loop MUST PASS				

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recovery

JPR- HMO #26
Revised Nov 13, 2016

Demonstrate the Cradle-in-Arms Carry

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(2)(3), 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate the cradle-in-arms carry.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the cradle-in-arms carry. The candidate must score a minimum of 7 out of 10 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> • PPE • SCBA • Victim 					
CONDITIONS: Given a victim, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Place the victim on their back, if necessary				
7.	Place one arm under the victim's arms and across the back				
8.	Place the other arm under the victim's knees				
9.	Lift the victim to about waist height while keeping your back straight				
10.	Carry the victim to safety MUST PASS				

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 _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recovery

JPR- HMO #27

Revised Nov 13, 2016

Demonstrate the Seat Lift/Carry

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(2)(3), 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate the seat lift/carry.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the seat lift/carry. The candidate must score a minimum of 8 out of 11 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> • PPE • SCBA • Victim 					
CONDITIONS: Given a victim, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Move the victim onto their back if necessary				
7.	Raise the victim to a sitting position				
8.	Link arms across the victim's back				
9.	Reach under the victim's knees to form a seat.				
10.	Lift the victim using your legs, and keeping your back straight				
11.	Move the victim to safety MUST PASS				

First Test:

Total points needed to pass: 8 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 8 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.8 Victim Rescue and Recovery

JPR- HMO #28
Revised Nov 13, 2016

Demonstrate the Extremities Lift/Carry

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.8.4.1(2)(3), 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate the extremities lift/carry.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the extremities lift/carry. The candidate must score a minimum of 10 out of 14 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> • PPE • SCBA • Victim 					
CONDITIONS: Given a victim, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Size up the scene and create an incident action plan				
3.	Establish control zones				
4.	Establish means to protect evidence if criminal or terrorist acts are suspected				
5.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
6.	Turn the victim in necessary, so that the victim is supine				
7.	Rescuer 1 – Kneel at the victim’s head				
8.	Rescuer 2 – Stand between the victim’s knees				
9.	Rescuer 1 – Support the victim’s head and neck with one hand and place the other hand under the victim’s shoulders MUST PASS				
10.	Rescuer 2 – Grasp the victim’s wrists				
11.	Rescuer 1 – Push gently on the victim’s back				
12.	Rescuer 1 – Reach under the victim’s arms and grasp the victim’s wrists as Rescuer 2 releases them. Grasp the left wrist with the right hand and the right wrist with the left hand MUST PASS				
13.	Rescuer 2 – Turn around, kneel down, and slip hands under the victim’s knees MUST PASS				
14.	Stand and move the victim to safety on Rescuer 1’s command MUST PASS				

First Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.5 Evidence Preservation and Sampling

JPR- HMO #29
Revised Nov 13, 2016

Demonstrate Evidence Preservation and Sampling

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.5.4.1(1)(5)(7-14) 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate evidence preservation and sampling.				
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate the evidence preservation and sampling. The candidate must score a minimum of 15 out of 21 steps, including all MUST PASS items, to successfully complete this skill.					
Equipment: <ul style="list-style-type: none"> <li style="width: 50%;">• PPE <li style="width: 50%;">• SCBA <li style="width: 50%;">• Hazardous material crime scene <li style="width: 50%;">• Evidence <li style="width: 50%;">• Collection kits <li style="width: 50%;">• Sampling materials <li style="width: 50%;">• Monitors <li style="width: 50%;">• Evidence containers <li style="width: 50%;">• Labels <li style="width: 50%;">• Markers 					
CONDITIONS: Given a hazardous material crime scene and evidence, the candidate shall demonstrate the ability to:					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Establish control zones				
3.	Size up the scene, create an incident action plan and evidence collection plan				
3.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
4.	Characterize the site, to identify potential hazards: <ul style="list-style-type: none"> a. Radiation b. Corrosives c. Flammables d. Percentage of oxygen e. Toxic industrial chemicals 				
5.	If explosives are found, notify Explosive Ordinance Disposal (EOD) personnel				
6.	Document all personnel entering the hot zone MUST PASS				
7.	Perform a walk-through of the scene to determine evidence type and location				
8.	Document evidence using notes, photographs, videos, and sketches as determined by the AHJ MUST PASS				
9.	Collect sample, using appropriate collection method for the sample				
10.	Ensure sterile equipment is used to avoid contamination or cross contamination				
11.	Document collection process MUST PASS				
12.	Establish chain of custody for all evidence collected MUST PASS				
13.	Field screen the sample following AHJ's procedures for: <ul style="list-style-type: none"> a. Corrosively b. Flammability c. Oxidation d. Radioactivity e. Volatile organic compounds 				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
14.	Document the field screening process MUST PASS				
15.	Place sample in appropriate sterile container and seal with tamper proof tape				
16.	Label the container with date, time, sample, and name of the person collecting sample				
17.	Document the process MUST PASS				
18.	Put container in secondary container, and label secondary container.				
19.	Proceed to decontamination line for decontamination				
20.	Decontaminate exterior of secondary container				
21.	Follow laboratory instructions for packaging of evidence for transportation				

First Test:

Total points needed to pass: 15 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 15 Total points scored: _____ All **MUST PASS** items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date
-------------------------------	-------------	------------------	-------------

Re-Test Proctor	Date	Re-Test Candidate	Date
------------------------	-------------	--------------------------	-------------

Evaluator/Supervisor Comments:



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

Mission Specific

6.9 Response to illicit laboratory Incidents

JPR - HMO #30
Revised Nov 13, 2016

Demonstrate Responding Safely to Illicit Laboratory Incidents

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.9.4.1, 6.9.4.1(2), 6.9.4.1.2(1-3) 2013 Edition	TASK: The candidate shall demonstrate the ability to demonstrate responding safely to illicit laboratory incidents
--	---

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to demonstrate responding to illicit laboratory incidents safely. The candidate must score a minimum of 10 out of 13 steps, including all **MUST PASS** items, to successfully complete this skill.

Equipment:

- PPE
- SCBA
- Illicit lab
- Booby traps
- Monitors

CONDITIONS: Given an illicit laboratory incident, the candidate shall demonstrate the ability to:

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Establish incident command system				
2.	Establish control zones				
3.	Size up the scene, and create an incident action plan				
3.	Ensure all responders involved in the operations are wearing PPE appropriate for the task and hazard MUST PASS				
4.	Document all personnel entering the hot zone MUST PASS				
5.	Look for anything suspicious or unusual				
6.	Before opening doors or windows, examine for any signs of tampering or booby traps. Start low and work upwards, looking for wires, trigger devices, or items that may fall upon opening. MUST PASS				
7.	If nothing is found, open door slowly and carefully proceed				
8.	Do not touch or change the environment in any way MUST PASS				
9.	Continue to examine for any signs of tampering or booby traps. Start low and work upwards, looking for wires, trigger devices, bottles, pipes or anything out of the ordinary. MUST PASS				
10.	Look for signs of illicit drugs, WMD materials, and/or environmental crimes				
11.	If suspicious items are found, back out of the area retracing your steps MUST PASS				
12.	Notify the bomb squad if applicable				
13.	Proceed to decontamination line				



HAZARDOUS MATERIALS OPERATIONS

NFPA 472, 2013 Edition

First Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Second Test:

Total points needed to pass: 10 Total points scored: _____ All MUST PASS items passed: Yes _____ No _____

Proctor (Print & Sign)	Date	Candidate	Date
------------------------	------	-----------	------

Re-Test Proctor	Date	Re-Test Candidate	Date
-----------------	------	-------------------	------

Evaluator/Supervisor Comments:
