

Hazardous Materials Operations

Mission Specific – Product Control & PPE Skill Sheets

Station A: Product Control – Foam Application Vapor Suppression	Date:	Candidate #:
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(1), 6.6.4.1 (3) (j), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario and the incident action plan involving hazardous materials and/or WMD materials, the candidate will demonstrate the ability to don, work in and doff personal protective equipment including self contained breathing apparatus. While wearing PPE and SCBA, working as part of a team the candidate will demonstrate the proper application of vapor suppressing agent/foam on a spill of hazardous material. At the conclusion of this evolution the candidate will demonstrate the proper doffing procedures of PPE.

Performance Outcome: Pass/ Fail will be determined by 10 of the 10 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don's and Doff's appropriate PPE				
4	Team properly assembles a foam delivery system				
5	Verify the system is properly proportioned system				
6	Candidate applies foam to spill of material				
7	Candidate shuts down nozzle				
8	Candidates will change positions and repeat steps 6 and 7 (leave PPE in place)				
9	Team removes pick up tube from foam and flushes hose line and pick up tube				
10	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure				

PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

Hazardous Materials Operations

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Station B: Product Control – Absorption/ Adsorption	Date:	Candidate #:
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1 (3) (a)(b), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and working as part of a team the candidate will demonstrate the proper control activities of absorption and adsorption. The candidate will first absorb spill contents of hazardous materials then will apply the adsorbent to remaining product. Candidate must use two different materials for completing tasks.

Performance Outcome: Pass/ Fail will be determined by 12 of the 12 items being performed correctly

Evaluator Note: You will act as the HazMat Technician and provide, to the candidate acting in the role of the operations responder, the name of the product(s) spilled and the materials that will be used to clean up the spill. Candidate will choose appropriate products and follow directions as noted above to complete tasks.

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don's and Doff's appropriate PPE				
	ABSORPTION:				
4	Selects proper <i>absorption</i> material for the hazardous material involved. Check material used: ___ sand ___ soil ___ spill pads ___ vermiculite				
5	Properly places the <i>absorbent</i> materials on the spill with minimal disruption to the spill.				
6	Waits for the <i>absorbent</i> material to absorb as much as practical				
7	Removes <i>absorbent</i> materials and places in a container provided				
	ADSORPTION:				
8	Selects proper <i>adsorption</i> material for the hazardous material involved. Check material used: ___ sand ___ soil ___ kitty litter ___ vermiculite ___ activated charcoal				
9	Properly places the <i>adsorbent</i> materials on the spill with minimal disruption to the spill.				
10	Waits for the <i>adsorbent</i> material to absorb as much as practical				
11	Removes <i>adsorbent</i> materials and places in a container provided				
12	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure				

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PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

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Mission Specific- Product Control & PPE Skill Sheets

Station C: Product Control - Damming	Date:	Candidate #
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(3)(c), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and working as part of a team the candidate will demonstrate the proper control activities of damming.

DAMMING: The candidate will construct an underflow or overflow dam at the discretion of the evaluator

Performance Outcome: Pass/ Fail will be determined by 8 of the 8 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don's and Doff's appropriate PPE				
4	Selects proper size and amount of pipe				
5	Constructs dam using materials provided Check type constructed: ___ underflow ___ overflow				
6	Places pipe (s) in proper location				
7	Size and amount of pipe adequately handles amount of water flow				
8	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure				

PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

Hazardous Materials Operations

Mission Specific- Product Control & PPE Skill Sheets

Station D: Product Control - Diversion and Diking	Date:	Candidate #
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(3)(d)(f), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and working as part of a team the candidate will demonstrate the proper control activities of diversion and diking. The candidate will first divert the flow of material to a safe location then will construct a dike around a leaking container of hazardous materials

Performance Outcome: Pass/ Fail will be determined by 12 of the 12 items being performed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don's and Doff's appropriate PPE				
	DIVERSION:				
4	Selects proper diverting material				
5	Constructs a diversion device with material provided				
6	The flowing material is properly diverted to a safe location				
7	Size and angle of diversion adequately handles amount of hazardous flow				
	DIKING:				
8	Selects proper diking materials				
9	Constructs dike using materials provided.				
10	Places dike in proper location				
11	Size and amount of diking material adequately handles amount of hazardous flow				
12	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure				

PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

Hazardous Materials Operations

Mission Specific- Product Control & PPE Skill Sheets

Station E: Product Control – Dilution	Date:	Candidate #
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(3)(e), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and working as part of a team the candidate will demonstrate the proper control activities. The candidate will dilute a spill of hazardous materials.

Performance Outcome: Pass/ Fail will be determined by 8 of the 8 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don's and Doff's appropriate PPE				
4	Identifies the material as one that can be diluted with water				
5	Determines if the amount of the spill can be effectively diluted				
6	Dilutes with and adequate amount of water to reduces the hazards as much as practical				
7	Request the spill area be tested for adequate reduction of the hazardous material				
8	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure				

PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

Hazardous Materials Operations

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Station F: Product Control – Vapor Dispersion and Remote Valve Shutoff	Date:	Candidate #
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(3)(h)(i), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and breathing apparatus, working as part of a team the candidate will demonstrate the proper control activities of vapor dispersion and remote valve shutoff. The candidate will use the hose line to disperse of vapors and approach a leak and shut the remote valve off. Change nozzle operator and repeat the evolution. Do you have any questions?

Performance Outcome: Pass/ Fail will be determined by 13 of the 13 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, product flammability				
3	Selects, Don's and Doff's appropriate PPE / SCBA				
4.	Back-up person shuts off remote valve				
	Check Scenario Used: <input type="checkbox"/> Outside Scenario using Hand line <input type="checkbox"/> Crew selects no larger than 1 ¾" attack line with combination Nozzle and initiates advancement of hose line utilizing a modified fog pattern to disperse vapors to a safe area <input type="checkbox"/> Back up person handles hose to facilitate nozzle operator's movements and control. <input type="checkbox"/> Team maintains control of the hose line at all times <p style="text-align: center;">OR</p> <input type="checkbox"/> Inside Scenario using PPV <input type="checkbox"/> Crew selects Positive Pressure Ventilation Fan, sets fan in appropriate position <input type="checkbox"/> Starts and runs fan in a safe manner MANDATORY "YES" TO PASS <input type="checkbox"/> Properly shuts down unit				
	Monitors the dispersion for changes in conditions				
	On command of the evaluator the candidates will change positions and repeat steps 5 through 1 (leave PPE in place)				
	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

PASS _____	PASS _____
FAIL _____	FAIL _____

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Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____

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Mission Specific- Product Control & PPE Skill Sheets

Station G: Product Control – Retention	Date:	Candidate #
Reference NFPA 472 (2013 Edition) Ch. 6 Mission Specific 6.6 Mandatory Station JPRs 6.6.4.1(3)(g), 6.2.4.1(3), 6.2.5.1	Site:	Evaluator Signature:

Directions: Given a scenario, appropriate tools and equipment, while wearing PPE and working as part of a team the candidate will demonstrate the proper control activities of . The candidate will construct a retention device to keep a hazardous material from flowing into a storm sewer

Performance Outcome: Pass/ Fail will be determined by 7 of the 7 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes Control Zones				
2	Control Efforts: considers wind direction, water spray and run off				
3	Selects, Don’s and Doff’s appropriate PPE				
4	Selects proper retention material				
5	Constructs a retention device with material provided				
6	The material is stopped from flowing into the storm sewer				
7	Were all tasks completed in a SAFE manner? (“NO” indicates automatic failure				

PASS _____	PASS _____
FAIL _____	FAIL _____

Evaluator Comments: _____

Evaluator Signature: _____ Evaluator # _____

Re-Test Evaluator Signature: _____ Evaluator # _____