

Skill Set: Hazard Materials Recognition, Identification, and Notification

Reference: NFPA 470, 2022 Edition - Chapter 5, Section 5.2.1(B) - Recognition and Identification; 5.3.1(B) - Initiate Protective Actions; 5.4.1(B) - Notification
- Chapter 7, Section 7.2.1(B) - Identify Potential Hazards

Candidate Equipment Required: ERG

Evaluator Equipment Required: HazMat Initial Response Form

Skill Objectives: The candidate, given a hazardous materials/WMD incident and a current ERG; will recognize and identify hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident; identify initial isolation and protective action distances; identify initial emergency actions (fire, spill or leak, and first aid), identify initial PPE, and identify recommended protective actions, initiate required notification, so that the necessary information is communicated.

Skill Instructions: Given a hazardous materials placard, current ERG, and Initial Response Form, the candidate shall identify the material and its potential hazards, identify initial isolation and protective action distances, identify initial emergency actions (fire, spill or leak, and first aid), identify initial PPE, and communicate findings by completing the Initial Response Form.

Candidate MUST successfully be competent in each of the steps listed to pass this skill station.

No.	Evaluated Skill Items	First Time		Retest	
		Pass	Fail	Pass	Fail
1.	Identify the chemical name and/or the chemical ID number for the placard.				
2.	Look up the material name in the appropriate section of the ERG.				
3.	Determine the correct emergency action guide to use for the chemical identified.				
4.	Identify the primary hazard (e.g. health hazards), potential fire and explosion hazards, recommended protective clothing, and evacuation recommendations.				
5.	If applicable, identify the isolation distance and protective actions required for the chemical substance in the green section.				

Skill Set: Implementing/Evaluating the Action Plan and Reporting

Reference: NFPA 470, 2022 Edition - Chapter 7, Sections 7.2.1(B) - Identify Potential Hazards; 7.3.1(B) - Identify Tactics; 7.4.1(B) - Action Plan Implementation; 7.6.1(B) - Progress Evaluation and Reporting

Candidate Equipment Required: ERG

Evaluator Equipment Required: HazMat Incident Scenario Worksheet, Incident Action Plan

Skill Objectives: The candidate will perform assigned tasks, evaluate and report the progress of the assigned tasks at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an ERG, an assignment with limited potential of contact, policies and procedures, the scope of the problem, approved tools, equipment, and PPE; so that strategies and tactics are identified, protective actions and scene control are established and maintained; on-scene incident command is initiated, evidence is preserved, safety procedures are followed, hazards are avoided or minimized, and assignments are completed.

Skill Instructions: Given a simulated hazardous materials spill or leak, the candidate will identify strategies and tactics for the given hazardous materials incident, perform tasks as assigned by the Incident Commander, evaluate effectiveness of assigned tasks, and verbally report the progress of the assigned tasks to the Incident Commander.

Candidate MUST successfully be competent in each of the steps listed to pass this skill station.

No.	Evaluated Skill Items	First Time		Retest	
		Pass	Fail	Pass	Fail
1.	Ensures scene control has been established and is maintained.				
2.	Recognizes and preserves potential evidence (avoid disturbing evidence, isolate and secure the area, observations on arrival)				
3.	Identifies strategies and tactics for the incident.				
4.	Ensures responders are properly donned in approved PPE.				
5.	Acknowledges assignment from the Incident Commander and directs team in performing and completing assignment.				
6.	Determines incident (assignment) status and whether strategies are being accomplished.				
7.	Verbally communicates with Incident Commander the status of the assignment and any changing conditions.				
8.	Follows all safety procedures and avoids or minimizes hazards (ensures team avoids contact with product or recognizes the need for decontamination).				
9.	Verbally communicates with Incident Commander when assignment is completed.				

Skill Set: Demonstrate Emergency Decontamination

Reference: NFPA 470, 2022 Edition - Chapter 7, 7.5.1(B) - Emergency Decontamination
- Chapter 9, Section 9.2.1(B) - Personal Protective Equipment

Candidate Equipment Required: Complete NFPA-Compliant Personal Protective Clothing Ensemble with SCBA and PASS device, ERG

Evaluator Equipment Required: 1-3/4" hoseline with nozzle

Skill Objectives: The candidate will perform and go through emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination.

Skill Instructions: Given a simulated hazardous materials spill or leak and a conscious victim (emergency responder), the candidate shall safely and effectively perform emergency decontamination.

Candidate MUST successfully be competent in each of the steps listed to pass this skill station.

No.	Evaluated Skill Items	First Time		Retest	
		Pass	Fail	Pass	Fail
1.	Selects appropriate emergency decontamination method.				
2.	Identify a safe and appropriate area to perform emergency decontamination.				
3.	Ensure responders are wearing appropriate PPE for performing emergency decontamination.				
6.	Remove victim’s PPE rapidly, minimizing the spread of contaminants.				
7.	Rinse the victim with copious amounts of water, room temperature is best.				
9.	Verbalizes the victim is then transferred to EMS personnel, ensuring EMS personnel are informed of the contaminant				
10.	Verbalizes that required reports and documentation would be completed according to AHJ and local SOPs				

Skill Set: Mission-Specific Competencies PPE: Don, Work In, and Doff PPE & SCBA

Reference: NFPA 470, 2022 Edition - Chapter 7, Sections 7.4.1(B) - Action Plan Implementation

- Chapter 9, Section 9.2.1(B) - Personal Protective Equipment

Candidate Equipment Required: Complete NFPA-Compliant Personal Protective Clothing Ensemble with SCBA and PASS device

Evaluator Equipment Required: None

Skill Objectives: The candidate will select, don, work in, and doff appropriate PPE, given a hazardous materials/WMD incident; a mission specific assignment that requires use of PPE; the scope of the problem; strategies and tactics for the incident, so that approved PPE is selected, inspected, donned, worked in, and doffed; PPE is maintained with AHJ policies and procedures and NFPA 1891; and all reports and documentation pertaining to PPE use are completed.

Skill Instructions: Given a simulated hazardous materials spill or leak, the candidate shall select, inspect, don, work in, and doff PPE for the given incident; then the candidate shall verbalize procedures for maintain, storing, and documenting the use of PPE.

Candidate MUST successfully be competent in each of the steps listed to pass this skill station.

No.	Evaluated Skill Items	First Time		Retest	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of selected PPE & SCBA for damage and/or defects.				
2.	Don protective suit to waist level, then chemical boots over the top of the suit.				
3.	Don the inner gloves.				
4.	With assistance, finish donning protective suit (assistant closes zipper and seals the splash flap).				
5.	Don SCBA and facepiece, ensuring cylinder valve is FULLY open.				
6.	With assistance, pull the hood over the head and facepiece.				
7.	Don helmet and outer gloves, go over hand signals and indicates "OK"				
8.	After completing decontamination, doff helmet and SCBA - leaving facepiece on.				
9.	With assistance, start doffing protective suit (assistant opens zipper and the splash flap).				
10.	Doff outer gloves, then remove arms from protective suit (assistant rolls down suit below waist level).				
11.	Sit down, continue roll down of suit to the ankles, doff chemical boots and suit.				
12.	Doff facepiece and inner gloves.				
13.	Perform visual inspection of PPE & SCBA for damage and/or defects. Verbalize procedures for documenting findings and the usage of the PPE.				

Skill Set: Mission-Specific Competencies Product Control: Product Control Techniques

Reference: NFPA 470, 2022 Edition - Chapter 9, Sections 9.6.1(B) - Product Control

Candidate Equipment Required: Complete NFPA-Compliant Personal Protective Clothing Ensemble with SCBA and PASS device, ERG

Evaluator Equipment Required: 1-3/4" hoseline with nozzle, absorbent material, absorbent pads/booms, push broom, shovel, empty 5-gallon bucket, access to a remote emergency shutoff valve or device

Skill Objectives: The candidate will perform product control techniques (absorption / adsorption, diking / damming / diversion, retention, dilution, vapor dispersion, vapor suppression, and remote valve shutoff), given necessary equipment and wearing appropriate PPE.

Skill Instructions: The candidate shall perform product control techniques (absorption / adsorption, diking / damming / diversion, retention, dilution, vapor dispersion, vapor suppression, and remote valve shutoff), given necessary equipment and wearing appropriate PPE.

The evaluator will identify 4 of the 7 techniques to be performed.

Candidate MUST successfully be competent in each step listed to pass this skill station.

No.	Evaluated Skill Items	First Time		Retest	
		Pass	Fail	Pass	Fail
1.	Demonstrate performing absorption / adsorption				
2.	Demonstrate performing damming / diking / diversion				
3.	Demonstrate performing retention				
4.	Demonstrate performing vapor suppression				
5.	Demonstrate performing vapor dispersion				
6.	Demonstrate performing dilution				
7.	Demonstrate performing a remote valve shutoff or activating an emergency shutoff device				