

NFPA 1072

Standard for Competence of Responders to
Hazardous Materials/Weapons of Mass
Destruction Incidents OPERATIONS LEVEL
Performance Skill Sheets

#	Objective	Reference	Task	<input checked="" type="checkbox"/>
1.	5.2.1	Identify Potential Hazards.	Identify the scope of the problem at a hazardous materials/WMD incident	<input type="checkbox"/>
2.	5.3.1	Identify Action Options.	Identify the action options for a hazardous materials/WMD incident	<input type="checkbox"/>
3.	5.4.1	Action Plan Implementation.	Perform assigned tasks at a hazardous materials/WMD incident	<input type="checkbox"/>
4.	5.5.1	Emergency Decontamination	Perform emergency decontamination at a hazardous materials/WMD incident	<input type="checkbox"/>
5.	5.6.1	Progress Evaluation and Reporting	Evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident	<input type="checkbox"/>
6.	6.2.1	Personal Protective Equipment	Select, don, work in, and doff approved PPE	<input type="checkbox"/>
7.	6.6.1	Product Control	Perform product control techniques with a limited risk of personal exposure	<input type="checkbox"/>
			Pass/Fail	<input type="checkbox"/>

Planning Page:

Skill #1 – Identify Potential Hazards.

1072 Hazmat/WMD - Operations (2017 Edition)

Objectives: 5.2.1

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

Tasks: For this skill sheet, students will analyze a hazardous materials scenario to identify potential hazards.

Setting: Hazardous materials scenario involving multiple hazardous materials

Tools/Equipment: Policies and procedures, approved reference materials

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Analyze a hazardous materials scenario to identify potential hazards.					
	<ul style="list-style-type: none"> • Identify type of container. • Identify materials involved. • Identify any leaks. • Identify location of release. • Identify conditions surrounding the incident. • Communicate with applicable operators or representatives. • Collect and determine hazard information using approved reference sources. • Describe any potential behavior of material and containers. • Describe potential hazards, harm, and outcomes based on potential behavior. 				
	PASS/FAIL				

Skill #2 – Identify Action Options

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Objectives: 5.3.1

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

Tasks: For this skill sheet, students will identify actions available at a hazardous materials incident. (5.3.1)

Setting: Hazardous materials scenario involving multiple hazardous materials

Tools/Equipment: Hazardous materials scenario, an assignment, policies and procedures, approved reference resources, known scope of incident, list of available resources

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Identify actions available at a hazardous materials incident.					
	<ul style="list-style-type: none"> Identify response objectives based on the scope of the incident and available resources. Identify action options based on the scope of the incident and available resources. Identify safety precautions for the incident. Identify personal protective equipment appropriate for the incident. Identify emergency decontamination needs at the scene. 				
	PASS/FAIL				

Skill #3 – Action Plan Implementation

1072 Hazmat/WMD - Operations (2017 Edition)

Objectives: 5.4.1

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

Tasks: For this skill sheet, students will provide scene control at a hazardous materials incident; select appropriate PPE , don, work in, doff, and undergo decontamination. **(5.4.1, 5.5.1, 6.2.1, 6.6.1)**

Setting: Hazardous materials incident scenario

Tools/Equipment: An assignment with limited potential for contact with a hazardous material, Mission-specific assignment in an IAP that requires use of PPE, policies and procedures, known scope of incident, approved tools and equipment

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Provide scene control at a hazardous materials incident.					
	<ul style="list-style-type: none"> • Take protective actions. • Establish an incident management system. • Develop and implement an IAP. • Establish and ensure scene control. • Select and use personal protective equipment. • Protect exposures and personnel. • Ensure safety procedures are followed. • Minimize or avoid hazards. • Identify potential evidence. • Preserve potential evidence. • Complete assignment(s). 				

Skill # 3 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
2. Select appropriate PPE to address a hazardous materials scenario.					
	<ul style="list-style-type: none"> Determine hazards. Select an appropriate PPE ensemble for the mission-specific assignment. 				
3. Don, work in, undergo decontamination, and doff a Level C ensemble. <i>Resources: Level C ensemble, Respirator, Decontamination equipment</i>					
	<ul style="list-style-type: none"> Perform a visual inspection of PPE for damage or defects. Don Level C PPE and secure closures. Don work boots. Pull ensemble leg opening over the top of the work boots. Don respirator. Pull ensemble hood up completely so that facepiece straps and skin are not exposed. Don inner protective gloves. Don outer protective gloves. Pull ensemble sleeves over the outside of the gloves. NOTE: Tape wrists and gaps if required by SOPs. Breathe through respirator and ensure that respirator is functioning properly. NOTE: Don protective headgear per SOPs. Perform pre-entry checks as per AHJ's SOPs. Perform work assignment. After assignment has been performed, proceed to decontamination line. Undergo decontamination as per AHJ's SOPs. 				

Skill #3 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Doff ensemble according to AHJ's SOPs, avoiding contact with outer ensemble or surfaces that may be contaminated. • Doff respirator according to AHJ's SOPs. • Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings. • Clean and disinfect PPE according to local SOPs and manufacturer's instructions. • Return to proper storage as per manufacturer's instructions. 				
<p>4. Don, work in, undergo decontamination, and doff liquid splash-protective clothing.</p> <p><i>Resources: Liquid splash-protective ensemble, decontamination equipment, SCBA</i></p> <p><i>NOTE: If using an encapsulating ensemble, these steps will need to be modified according to AHJ's SOPs.</i></p>					
	<ul style="list-style-type: none"> • Perform a visual inspection of PPE and SCBA for damage or defects. • Don liquid-splash PPE and secure closures. • Don work boots according to AHJ's SOPs. • Don the SCBA according to AHJ's SOPs. • Don SCBA facepiece and ensure a proper fit and seal. • Pull ensemble hood up completely so that facepiece straps and skin are not exposed. • Don protective headgear (if required by AHJ). • Don inner protective gloves. • Don outer protective gloves. • NOTE: Tape wrists and gaps per SOPs. 				

Skill #3 continue...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Attach SCBA regulator to facepiece and ensure proper operation. • Perform pre-entry checks according to AHJ's SOPs. • Perform work assignment. • Undergo decontamination as per AHJ's SOPs. • To doff, remove PPE in reverse order of donning. • Ensure medical monitoring is performed as per AHJ's SOPs. • Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings. • Clean and disinfect PPE according to local SOPs and manufacturer's instructions. • Return to proper storage as per manufacturer's instructions. 				
5. Don, work in, undergo decontamination, and doff vapor-protective clothing. <i>Resources: Vapor-protective ensemble, decontamination equipment, SCBA</i>					
	<ul style="list-style-type: none"> • Perform a visual inspection of PPE and SCBA for damage or defects. • Ensure the ensemble is the correct size. • Ensure zipper is in good working order. • Remove shoes, belts, and any objects that could damage ensemble. • Don ensemble according to AHJ's SOPs. • Don the SCBA according to AHJ's SOPs. 				

Skill #3 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Turn on air supply, don SCBA facepiece, check seal, and breathe normally to ensure SCBA operates properly. • Don protective headgear (if required by AHJ). • Don outer protective gloves. • Perform pre-entry checks according to AHJ's SOPs. • Perform work assignment. • Undergo decontamination as per AHJ's SOPs. • To doff, remove PPE in reverse order of donning. • Ensure medical monitoring is performed as per AHJ's SOPs. • Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings. • Clean and disinfect PPE according to local SOPs and manufacturer's instructions. • Return to proper storage as per manufacturer's instructions. 				
6. Perform gross decontamination. <i>Resources: Appropriate personal protective equipment (PPE), approved tools and equipment, approved container for contaminated PPE, approved container for contaminated tools and equipment, hygienic wipes, soap and showering facilities, approved washing machines for PPE</i>					
On Scene	<ul style="list-style-type: none"> • Isolate contaminated tools and equipment according to SOPs. • Conduct decontamination of tools and equipment according to SOPs. • Wash and/or isolate PPE according to SOP/Gs, doffing as appropriate. • Use hygienic wipes to wipe potential contaminants from face, head, neck, and hands. 				

Skill #3 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
In Quarters	<ul style="list-style-type: none"> • Shower thoroughly using soap and water. • Clean PPE according to SOPs. • Inspect and maintain PPE according to manufacturer's recommendations. • Store PPE outside of living and sleeping quarters. • Complete required reports and supporting documentation. 				
PASS/FAIL					

Skill #4 – Emergency Decontamination

1072 Hazmat/WMD - Operations (2017 Edition)

Objectives: 5.5.1

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

Tasks: For this skill sheet, students will perform emergency decontamination. (5.5.1, 6.2.1)

Performance Conditions:

Setting: Contaminated area, safe area for decon

Tools/Equipment: Appropriate personal protective equipment (PPE), disposable clothing or PPE, water supply, rescue mannequin, charged hoseline

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Perform emergency decontamination.					
	<ul style="list-style-type: none"> Ensure that all responders involved in decontamination operations are wearing appropriate PPE for performing emergency decontamination operations. Remove the victim from the contaminated area. Ensure emergency decontamination is set up in a safe area. Wash immediately any contaminated clothing or exposed body parts with flooding quantities of water. 				

Skill #4 continued...

	<ul style="list-style-type: none"> • Remove mannequin PPE/clothing rapidly, minimizing the spread of contaminants. • Perform a quick cycle of head-to-toe rinse, wash, and rinse. • Transfer the victim to treatment personnel for assessment, first aid, and medical treatment. • Ensure that ambulance and hospital personnel are told about the contaminant involved. • Complete required reports and supporting documentation. 				
PASS/FAIL					

Skill #5 – Progress Evaluation and Reporting

1072 Hazmat/WMD - Operations (2017 Edition)

Objectives: 5.6.1

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

Tasks: For this skill sheet, students will evaluate progress made at a hazardous materials incident.

Setting: Hazardous materials incident scenario

Tools/Equipment: An assignment, policies and procedures, status of assigned tasks, approved communication tools and equipment.

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Evaluate progress made at a hazardous materials incident.					
	<ul style="list-style-type: none"> Determine incident status. Evaluate the IAP. Determine if action objectives are being met. Evaluate effectiveness of assigned tasks. Communicate progress to supervisor using approved communication tools and equipment. 				
	• PASS/FAIL				

Skill #6 – Personal Protective Equipment

1072 Hazmat/WMD - Operations (2017 Edition)

Objectives: 6.2.1

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

Tasks: Demonstrate the ability to don PPE with self-contained breathing apparatus (SCBA), work in, decontamination, and doffing.

Setting: Scenario – Spill/Leak

Tools/Equipment: Personal protective equipment, SCBA and decontamination materials according to Authority Having Jurisdiction (AHJ).

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Personal Protective Equipment					
	<ul style="list-style-type: none"> • Determine hazards. • Select an appropriate PPE ensemble for the mission-specific assignment. • Don structural firefighting gear or chemical protective clothing (Level B) • Don SCBA. <ul style="list-style-type: none"> a. Open cylinder fully. b. Secure straps on SCBA. c. Don face piece. d. Check face seal. e. Hook up air supply. • Work in contaminated area. 				

Skill #6 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> Exit contaminated area. Perform technical decontamination and doff PPE as provided by AHJ. Complete necessary documentation, as required by AHJ and place all equipment in a ready state for reuse. 				
PASS/FAIL					

Skill #7 – Product Control

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Objectives: 6.6.1

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

Tasks: Perform absorption/adsorption, damming, diking operations, diversion, retention, vapor suppression, vapor dispersion, dilution, remove valve shutoff or activate emergency shutoff device.

Setting: Hazardous materials incident scenario

Tools/Equipment: Personal protective equipment, self-contained breathing apparatus (SCBA), shovels, rakes, absorbent materials, dirt, sand or hay, plastic sheeting, and a leaking container.

Performance Conditions: Successful completion of the Steps listed below

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1. Perform absorption/adsorption.					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Simulated hazardous materials liquid - Hand tools 	<ul style="list-style-type: none"> - Sorbent material - Shovels - Secure container with lid 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in the control function are wearing appropriate PPE for performing absorption/adsorption operations and that appropriate hand tools have been selected. • Select a location to efficiently and safely perform the 				

	<p>absorption /adsorption operation.</p> <ul style="list-style-type: none"> • Select the most appropriate sorbent/adsorbent. • Deploy the sorbent/adsorbent in a manner that most efficiently controls the spill. • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. • Seal and label the container and document appropriate information for department records. • Decontaminate tools. • Advance to decontamination line for decontamination. • Complete required reports and supporting documentation. 				
<p>2. Perform damming.</p>					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Simulated hazardous materials liquid - Secure container with lid 	<ul style="list-style-type: none"> - Shovels - Earth, rock, or sand - Piping 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in the control function are wearing appropriate PPE for performing damming operations and that appropriate hand tools have been selected. • Select a location to efficiently and safely perform the damming operation. • Construct the dam in a location and manner that most efficiently controls the spill. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. • Seal and label the container and document appropriate information for department records. • Decontaminate tools. • Advance to decontamination line for decontamination. <p>Complete required reports and supporting documentation.</p>				
3. Perform diking operations.					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Simulated hazardous materials liquid 	<ul style="list-style-type: none"> - Shovels - Earth, rock, or sand - Secure container with lid 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in the control function are wearing appropriate PPE for performing diking operations and that appropriate hand tools have been selected. • Select a location to efficiently and safely perform the diking operation. • Construct the dike in a manner and location that most efficiently controls and directs the spill to a desired location. • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> Seal and label the container and document appropriate information for department records. Decontaminate tools. Advance to decontamination line for decontamination. Complete required reports and supporting documentation. 				
4. Perform diversion.					
<ul style="list-style-type: none"> Appropriate personal protective equipment (PPE) Simulated hazardous materials liquid Secure container with lid 	<ul style="list-style-type: none"> Tools, including shovels, picks, and wheelbarrows Earth, rock, or sand 				
	<ul style="list-style-type: none"> Ensure proper product control technique is chosen. Ensure that all responders involved in the control function are wearing appropriate PPE for performing diversion operations and that appropriate hand tools have been selected. Select a location to efficiently and safely perform the diversion operation. Construct the diversion in a manner and location that most efficiently controls and directs the spill to a desired location. Working as a team, use hand tools to break the soil, remove the soil, pile the soil, and pack the soil tightly. Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> Seal and label the container and document appropriate information for department records. Decontaminate tools. Advance to decontamination line for decontamination. Complete required reports and supporting documentation. 				
5. Perform retention.					
<ul style="list-style-type: none"> Appropriate personal protective equipment (PPE) Simulated hazardous materials liquid Secure container with lid Retention vessel 	<ul style="list-style-type: none"> Tools, including shovels, picks, and wheelbarrows Simulated leaking hazardous materials liquid vessel 				
	<ul style="list-style-type: none"> Ensure proper product control technique is chosen. Ensure that all responders involved in the control function are wearing appropriate PPE for performing retention operations and that appropriate hand tools have been selected. Select a location to efficiently and safely perform the retention operation. Evaluate the rate of flow of the leak to determine the required capacity of the retention vessel. Working as a team, retain the hazardous liquid so that it can no longer flow. Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transport to a disposal location. Seal and label the container and document appropriate information for department records. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Decontaminate tools. • Advance to decontamination line for decontamination. • Complete required reports and supporting documentation. 				
6. Perform vapor suppression					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Simulated hazardous materials liquid spill - Secure container with lid - Reliable water source and pumping apparatus 	<ul style="list-style-type: none"> - Pumping apparatus driver/operator - Hoseline, foam nozzle, foam educator, foam - Simulated leaking hazardous materials liquid vessel 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in control functions are wearing appropriate PPE for performing vapor suppression operations. • Select a location to efficiently and safely perform the vapor suppression operation. • Evaluate the quantity and surface area of the hazardous material that has leaked. • Determine the appropriate type of foam for the type of hazardous material present. • Working as a team, deploy the foam eductor and foam, and advance the hoseline and foam nozzle to a position from which to apply the foam. • Flow hoseline until finished foam is produced at the nozzle. • Apply finished foam in an even layer covering the entire hazardous material spill area. 				

Skill # 7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. • Seal and label the container and document appropriate information for department records. • Decontaminate tools. • Advance to decontamination line for decontamination. • Complete required reports and supporting documentation. 				
7. Perform vapor dispersion.					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Charged hoseline with fog pattern nozzle - Simulated hazardous materials vapor vessel 	<ul style="list-style-type: none"> - Atmospheric monitoring equipment - Reliable water source and pumping apparatus - Pumping apparatus driver/operator - Secure container with lid 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in the control function are wearing appropriate PPE for performing vapor dispersion operations. • Select a location to efficiently and safely perform the vapor dispersion operation. • Working as a team, advance the hoseline to a position to apply agent through vapor cloud to disperse vapors. • Constantly monitor the leak concentration, wind direction, exposed personnel, environmental impact, and water stream effectiveness. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. • Seal and label the container and document appropriate information for department records. • Decontaminate tools. • Advance to decontamination line for decontamination. • Complete required reports and supporting documentation. 				
8. Perform dilution.					
<ul style="list-style-type: none"> - Appropriate personal protective equipment (PPE) - Simulated leaking hazardous materials liquid vessel - Simulated hazardous materials liquid acid spill 	<ul style="list-style-type: none"> - Reliable water source and pumping apparatus - Pumping apparatus driver/operator - Hoselines with nozzle - Secure container with lid 				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in the control function are wearing appropriate PPE for performing dilution operations. • Select a location to efficiently and safely perform dilution operations. • 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. • Working as a team, monitor and assess the leak, and advance hoselines and tools to retention area. • Flow water to dilute spilled material. 				

Skill #7 continued...

Requisite Skill	Elements/Steps	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<ul style="list-style-type: none"> • Monitor any diking or dams to ensure integrity of retention area. • Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location. • Seal and label the container and document appropriate information for department records. • Decontaminate tools. • Advance to decontamination line for decontamination. • Complete required reports and supporting documentation. 				
9. Perform remote valve shutoff or activate emergency shutoff device.					
- Appropriate personal protective equipment (PPE)	- Emergency remote shutoff device				
	<ul style="list-style-type: none"> • Ensure proper product control technique is chosen. • Ensure that all responders involved in control functions are wearing appropriate PPE for performing remote valve shutoff operations. • Identify and locate the emergency remote control valve and/or emergency shutoff device. • Operate the remote-control valve and/or emergency shutoff device properly. • If necessary, decontaminate tools and advance to decontamination line for decontamination. • Notify the Incident Commander of the completed objective. • Complete required reports and supporting documentation. 				
PASS/FAIL					