

HAZARDOUS MATERIALS OPERATIONS SKILL SHEETS



NFPA 1072, 2017 EDITION



FIREFIGHTER CERTIFICATION BOARD OF NEW BRUNSWICK
FCBNB

**Firefighter Certification Board of New Brunswick
HAZARDOUS MATERIALS OPERATIONS
NFPA 1072, 2017 Edition**

5.2 IDENTIFY POTENTIAL HAZARD

JPR - HMO #1

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.2.1 NFPA 1072, 2017 Edition	TASK: Analyze a hazardous materials scenario to identify potential hazards.
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PERFORMANCE OUTCOME: The candidate will analyze a hazardous materials scenario to identify potential hazards.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ procedures for specific incidents.

EQUIPMENT REQUIRED :

- Hazardous materials scenario involving multiple hazardous materials
- Policies and procedures
- Approved reference materials

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify type of container.				
2.	Identify materials involved.				
3.	Identify any leaks.				
4.	Identify location of release.				
5.	Identify conditions surrounding the incident.				
6.	Communicate with applicable operators or representatives.				
7.	Collect and determine hazard information using approved reference sources.				
8.	Describe any potential behavior of material and containers.				
9.	Describe potential hazards, harm, and outcomes based on potential behavior.				

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date

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5.3 IDENTIFY ACTION OPTIONS

JPR - HMO #2

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.3.1 NFPA 1072, 2017 Edition		TASK: Identify actions available at a hazardous materials incident.			
PERFORMANCE OUTCOME: The candidate will identify actions available at a hazardous materials incident.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.					
WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Hazardous materials scenario • An assignment • Policies and procedures 		<ul style="list-style-type: none"> • Approved reference resources • Known scope of incident • List of available resources 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify response objectives based on the scope of the incident and available resources.				
2.	Identify action options based on the scope of the incident and available resources.				
3.	Identify safety precautions for the incident.				
4.	Identify personal protective equipment appropriate for the incident.				
5.	Identify emergency decontamination needs at the scene.				

Evaluator/Candidate Comments: _____

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5.4 ACTION PLAN IMPLEMENTATION

JPR - HMO #3

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.4.1 NFPA 1072, 2017 Edition		TASK: Provide scene control at a hazardous materials incident.			
PERFORMANCE OUTCOME: The candidate will provide scene control at a hazardous materials incident.					
CONDITIONS: Always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.					
WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ's procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> Hazardous materials incident scenario An assignment with limited potential for contact with a hazardous material Policies and procedures 		<ul style="list-style-type: none"> Known scope of incident Approved tools and equipment Approved personal protective equipment 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Take protective actions.				
2.	Establish an incident management system.				
3.	Develop and implement an IAP.				
4.	Establish and ensure scene control.				
5.	Select and use personal protective equipment.				
6.	Protect exposures and personnel.				
7.	Ensure safety procedures are followed.				
8.	Minimize or avoid hazards.				
9.	Identify potential evidence.				
10.	Preserve potential evidence.				
11.	Complete assignment(s).				

Evaluator/Candidate Comments: _____

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JPR - HMO #4

5.4 ACTION PLAN IMPLEMENTATION

6.2 PERSONAL PROTECTIVE EQUIPMENT

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.4.1, 6.2.1 NFPA 1072, 2017 Edition		TASK: Don, work in, undergo decontamination, and doff a Level C ensemble.			
PERFORMANCE OUTCOME: The candidate will don, work in, and doff a Level C ensemble.					
CONDITIONS: Always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.					
WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ's procedures for specific incidents.					
NOTE: If using a PAPR, these steps will need to be modified according to AHJ's SOPs.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Level C ensemble • Decontamination equipment • Respirator 					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE for damage or defects.				
2.	Don Level C PPE and secure closures.				
3.	Don work boots.				
4.	Pull ensemble leg opening over the top of the work boots.				
5.	Don respirator.				
6.	Pull ensemble hood up completely so that facepiece straps and skin are not exposed.				
7.	Don inner protective gloves.				
8.	Don outer protective gloves.				
9.	Pull ensemble sleeves over the outside of the gloves. NOTE: Tape wrists and gaps if required by SOPs.				
10.	Breathe through respirator and ensure that respirator is functioning properly. NOTE: Don protective headgear per SOPs.				
11.	Perform pre-entry checks as per AHJ's SOPs.				
12.	Perform work assignment.				
13.	After assignment has been performed, proceed to decontamination line.				
14.	Undergo decontamination as per AHJ's SOPs.				
15.	Doff ensemble according to AHJ's SOPs, avoiding contact with outer ensemble or surfaces that may be contaminated.				
16.	Doff respirator according to AHJ's SOPs.				
17.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				
18.	Clean and disinfect PPE according to local SOPs and manufacturer's instructions.				
19.	Return to proper storage as per manufacturer's instructions.				

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5.4 ACTION PLAN IMPLEMENTATION
6.2 PERSONAL PROTECTIVE EQUIPMENT

JPR - HMO #5

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.4.1, 6.2.1 NFPA 1072, 2017 Edition	TASK: Don, work in, undergo decontamination, and doff liquid splash-protective clothing.
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PERFORMANCE OUTCOME: The candidate will don, work in, and doff liquid splash-protective clothing.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.

NOTE: If using an encapsulating ensemble, these steps will need to be modified according to AHJ’s SOPs.

EQUIPMENT REQUIRED :

- Liquid splash-protective ensemble
- SCBA
- Decontamination equipment

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE and SCBA for damage or defects.				
2.	Don liquid-splash PPE and secure closures.				
3.	Don work boots according to AHJ’s SOPs.				
4.	Don the SCBA according to AHJ’s SOPs.				
5.	Don SCBA facepiece and ensure a proper fit and seal.				
6.	Pull ensemble hood up completely so that facepiece straps and skin are not exposed.				
7.	Don protective headgear (if required by AHJ).				
8.	Don inner protective gloves.				
9.	Don outer protective gloves. NOTE: Tape wrists and gaps per SOPs.				
10.	Attach SCBA regulator to facepiece and ensure proper operation.				
11.	Perform pre-entry checks according to AHJ’s SOPs.				
12.	Perform work assignment.				
13.	Undergo decontamination as per AHJ’s SOPs.				
14.	To doff, remove PPE in reverse order of donning.				
15.	Ensure medical monitoring is performed as per AHJ’s SOPs.				
16.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ’s SOPs and document findings.				
17.	Clean and disinfect PPE according to local SOPs and manufacturer’s instructions.				
18.	Return to proper storage as per manufacturer’s instructions.				

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5.4 ACTION PLAN IMPLEMENTATION
6.2 PERSONAL PROTECTIVE EQUIPMENT

JPR - HMO #6

Candidate: _____
Student #: _____

Date : _____

STANDARD: 5.4.1, 6.2.1 NFPA 1072, 2017 Edition		TASK: Don, work in, undergo decontamination, and doff vapor-protective clothing.			
PERFORMANCE OUTCOME: The candidate will don, work in, and doff vapor-protective clothing.					
CONDITIONS: Always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ's procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Vapor-protective ensemble • Decontamination equipment • SCBA 					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PPE and SCBA for damage or defects.				
2.	Ensure the ensemble is the correct size.				
3.	Ensure zipper is in good working order.				
4.	Remove shoes, belts, and any objects that could damage ensemble.				
5.	Don ensemble according to AHJ's SOPs.				
6.	Don the SCBA according to AHJ's SOPs.				
7.	Turn on air supply, don SCBA facepiece, check seal, and breathe normally to ensure SCBA operates properly.				
8.	Don protective headgear (if required by AHJ).				
9.	Don outer protective gloves.				
10.	Perform pre-entry checks according to AHJ's SOPs.				
11.	Perform work assignment.				
12.	Undergo decontamination as per AHJ's SOPs.				
13.	To doff, remove PPE in reverse order of donning.				
14.	Ensure medical monitoring is performed as per AHJ's SOPs.				
15.	Conduct a post-entry inspection of PPE for damage or defects according to AHJ's SOPs and document findings.				
16.	Clean and disinfect PPE according to local SOPs and manufacturer's instructions.				
17.	Return to proper storage as per manufacturer's instructions.				

Evaluator/Candidate Comments: _____

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5.4 ACTION PLAN IMPLEMENTATION

JPR - HMO #7

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.4.1 NFPA 1072, 2017 Edition		TASK: Perform gross decontamination.			
PERFORMANCE OUTCOME: The candidate will perform gross decontamination.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Appropriate personal protective equipment (PPE) • Approved tools and equipment • Approved container for contaminated tools and equipment 		<ul style="list-style-type: none"> • Approved container for contaminated PPE • Hygienic wipes • Soap and showering facilities • Approved washing machines for PPE 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
On Scene					
1.	Isolate contaminated tools and equipment according to SOPs.				
2.	Conduct decontamination of tools and equipment according to SOPs.				
3.	Wash and/or isolate PPE according to SOP/Gs, doffing as appropriate.				
4.	Use hygienic wipes to wipe potential contaminants from face, head, neck, and hands.				
In Quarters					
5.	Shower thoroughly using soap and water.				
6.	Clean PPE according to SOPs.				
7.	Inspect and maintain PPE according to manufacturer’s recommendations.				
8.	Store PPE outside of living and sleeping quarters.				
9.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

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5.5 EMERGENCY DECONTAMINATION

JPR - HMO #8

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.5.1 NFPA 1072, 2017 Edition	TASK: Perform emergency decontamination.
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PERFORMANCE OUTCOME: The candidate will perform emergency decontamination.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.

EQUIPMENT REQUIRED :

- Appropriate personal protective equipment (PPE)
- Disposable clothing or PPE
- Water supply
- Rescue mannequin
- Charged hoseline

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure that all responders involved in decontamination operations are wearing appropriate PPE for performing emergency decontamination operations.				
2.	Remove the victim from the contaminated area.				
3.	Ensure emergency decontamination is set up in a safe area.				
4.	Wash immediately any contaminated clothing or exposed body parts with flooding quantities of water.				
5.	Remove mannequin PPE/clothing rapidly, minimizing the spread of contaminants.				
6.	Perform a quick cycle of head-to-toe rinse, wash, and rinse.				
7.	Transfer the victim to treatment personnel for assessment, first aid, and medical treatment.				
8.	Ensure that ambulance and hospital personnel are told about the contaminant involved.				
9.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

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5.6 PROGRESS EVALUATION AND REPORTING

JPR - HMO #9

Candidate: _____

Date : _____

Student #: _____

STANDARD: 5.6.1 NFPA 1072, 2017 Edition		TASK: Evaluate progress made at a hazardous materials incident.			
PERFORMANCE OUTCOME: The candidate will evaluate progress made at a hazardous materials incident.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Hazardous materials incident scenario • An assignment • Policies and procedures 		<ul style="list-style-type: none"> • Status of assigned tasks • Approved communication tools and equipment 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Determine incident status.				
2.	Evaluate the IAP.				
3.	Determine if action objectives are being met.				
4.	Evaluate effectiveness of assigned tasks.				
5.	Communicate progress to supervisor using approved communication tools and equipment.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
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6.2 PERSONAL PROTECTIVE EQUIPMENT

JPR - HMO #10

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.2.1 NFPA 1072, 2017 Edition		TASK: Select appropriate PPE to address a hazardous materials scenario.			
PERFORMANCE OUTCOME: The candidate will select appropriate PPE to address a hazardous materials scenario.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> Hazardous materials incident scenario Mission-specific assignment in an IAP that requires use of PPE The scope of the problem Response objectives and action options for the incident scenario 		<ul style="list-style-type: none"> Access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures Policies and procedures List of approved PPE 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Determine hazards.				
2.	Select an appropriate PPE ensemble for the mission-specific assignment.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date

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6.6 PRODUCT CONTROL

JPR - HMO #11

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Perform absorption/adsorption.			
PERFORMANCE OUTCOME: The candidate will perform absorption/adsorption.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<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 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	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.				
3.	Select a location to efficiently and safely perform the absorption /adsorption operation.				
4.	Select the most appropriate sorbent/adsorbent.				
5.	Deploy the sorbent/adsorbent in a manner that most efficiently controls the spill.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date

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6.6 PRODUCT CONTROL

JPR - HMO #12

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Perform damming.			
PERFORMANCE OUTCOME: The candidate will perform damming operations.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. NOTE: It is necessary to determine if construction is overflow, underflow, or containment dam. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<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 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	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.				
3.	Select a location to efficiently and safely perform the damming operation.				
4.	Construct the dam in a location and manner that most efficiently controls the spill.				
5.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
6.	Seal and label the container and document appropriate information for department records.				
7.	Decontaminate tools.				
8.	Advance to decontamination line for decontamination.				
9.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
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6.6 PRODUCT CONTROL

JPR - HMO #13

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition	TASK: Perform diking operations.
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PERFORMANCE OUTCOME: The candidate will perform diking operations.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.

EQUIPMENT REQUIRED :

- Appropriate personal protective equipment (PPE)
- Simulated hazardous materials liquid
- Shovels
- Earth, rock, or sand
- Secure container with lid

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	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.				
3.	Select a location to efficiently and safely perform the diking operation.				
4.	Construct the dike in a manner and location that most efficiently controls and directs the spill to a desired location.				
5.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
6.	Seal and label the container and document appropriate information for department records.				
7.	Decontaminate tools.				
8.	Advance to decontamination line for decontamination.				
9.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

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6.6 PRODUCT CONTROL

JPR - HMO #14

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Perform diversion.			
PERFORMANCE OUTCOME: The candidate will perform diversion.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<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 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	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.				
3.	Select a location to efficiently and safely perform the diversion operation.				
4.	Construct the diversion in a manner and location that most efficiently controls and directs the spill to a desired location.				
5.	Working as a team, use hand tools to break the soil, remove the soil, pile the soil, and pack the soil tightly.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date

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6.6 PRODUCT CONTROL

JPR - HMO #15

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Perform retention.			
PERFORMANCE OUTCOME: The candidate will perform retention.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<ul style="list-style-type: none"> • Appropriate personal protective equipment (PPE) • Simulated hazardous materials liquid • Secure container with lid • Retention vessel • Tools, including shovels, picks, and wheelbarrows • Simulated leaking hazardous materials liquid vessel 					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	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.				
3.	Select a location to efficiently and safely perform the retention operation.				
4.	Evaluate the rate of flow of the leak to determine the required capacity of the retention vessel.				
5.	Working as a team, retain the hazardous liquid so that it can no longer flow.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transport to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Evaluator	_____ Date	_____ Re-Test Candidate	_____ Date

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6.6 PRODUCT CONTROL

JPR - HMO #16

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition	TASK: Perform vapor suppression.
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PERFORMANCE OUTCOME: The candidate will perform vapor suppression.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.

EQUIPMENT REQUIRED :

- Appropriate personal protective equipment (PPE)
- Simulated hazardous materials liquid spill
- Secure container with lid
- Reliable water source and pumping apparatus
- Pumping apparatus driver/operator
- Hoseline, foam nozzle, foam educator, foam
- Simulated leaking hazardous materials liquid vessel

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	Ensure that all responders involved in control functions are wearing appropriate PPE for performing vapor suppression operations.				
3.	Select a location to efficiently and safely perform the vapor suppression operation.				
4.	Evaluate the quantity and surface area of the hazardous material that has leaked.				
5.	Determine the appropriate type of foam for the type of hazardous material present.				
6.	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.				
7.	Flow hoseline until finished foam is produced at the nozzle.				
8.	Apply finished foam in an even layer covering the entire hazardous material spill area.				
9.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
10.	Seal and label the container and document appropriate information for department records.				
11.	Decontaminate tools.				
12.	Advance to decontamination line for decontamination.				

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Evaluator/Candidate Comments: _____

_____ Evaluator (Print & Sign)	_____ Date	_____ Candidate	_____ Date
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6.6 PRODUCT CONTROL

JPR - HMO #17

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Perform vapor dispersion.			
PERFORMANCE OUTCOME: The candidate will perform vapor dispersion.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill. WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
<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 			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing vapor dispersion operations.				
3.	Select a location to efficiently and safely perform the vapor dispersion operation.				
4.	Working as a team, advance the hoseline to a position to apply agent through vapor cloud to disperse vapors.				
5.	Constantly monitor the leak concentration, wind direction, exposed personnel, environmental impact, and water stream effectiveness.				
6.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
7.	Seal and label the container and document appropriate information for department records.				
8.	Decontaminate tools.				
9.	Advance to decontamination line for decontamination.				
10.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date

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6.6 PRODUCT CONTROL

JPR - HMO #18

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition	TASK: Perform dilution.
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PERFORMANCE OUTCOME: The candidate will perform dilution.

CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.

WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.

EQUIPMENT REQUIRED :

- Appropriate personal protective equipment (PPE)
- Simulated leaking hazardous materials liquid vessel
- Simulated hazardous materials liquid acid spill
- Reliable water source and pumping apparatus
- Pumping apparatus driver/operator
- Hoselines with nozzle
- Secure container with lid

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing dilution operations.				
3.	Select a location to efficiently and safely perform dilution operations.				
4.	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.				
5.	Working as a team, monitor and assess the leak, and advance hoselines and tools to retention area.				
6.	Flow water to dilute spilled material.				
7.	Monitor any diking or dams to ensure integrity of retention area.				
8.	Upon mitigation of the incident, place any contaminated material, such as clothing, in an approved container for transportation to a disposal location.				
9.	Seal and label the container and document appropriate information for department records.				
10.	Decontaminate tools.				
11.	Advance to decontamination line for decontamination.				
12.	Complete required reports and supporting documentation.				

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Evaluator/Candidate Comments: _____

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6.6 PRODUCT CONTROL

JPR - HMO #19

Candidate: _____

Date : _____

Student #: _____

STANDARD: 6.6.1 NFPA 1072, 2017 Edition		TASK: Operate remote valve shutoff or activate emergency shutoff device.			
PERFORMANCE OUTCOME: The candidate will operate remote control valves and emergency shutoff devices.					
CONDITIONS: Always follow manufacturer’s recommendations and local standard operating procedures (SOPs) when performing all skills. Students must properly wear appropriate PPE when performing this skill.					
WARNING: If this skill involves the use of actual hazardous material samples, hazardous materials can cause serious injury or fatality. Appropriate personal protective equipment (PPE) must be worn and safety precautions must be followed. The following skill sheet demonstrates general steps; specific hazmat incidents may differ in procedure. Always follow AHJ’s procedures for specific incidents.					
EQUIPMENT REQUIRED :					
• Appropriate personal protective equipment (PPE)		• Emergency remote shutoff device			
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure proper product control technique is chosen.				
2.	Ensure that all responders involved in control functions are wearing appropriate PPE for performing remote valve shutoff operations.				
3.	Identify and locate the emergency remote control valve and/or emergency shutoff device.				
4.	Operate the remote control valve and/or emergency shutoff device properly.				
5.	If necessary, decontaminate tools and advance to decontamination line for decontamination.				
6.	Notify the Incident Commander of the completed objective.				
7.	Complete required reports and supporting documentation.				

Evaluator/Candidate Comments: _____

_____	_____	_____	_____
Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Evaluator	Date	Re-Test Candidate	Date