#### HAZARDOUS MATERIALS OPERATIONS SKILL SHEETS





#### NFPA 1072, 2017 EDITION







FIREFIGHTER CERTIFICATION BOARD OF NEW BRUNSWICK FCBNB

5.2	IDENTIFY POTENTIAL HAZA	ARD			J	PR - HI	MO #1
Candid	TASK: Analyze a hazardous materials scenario to NFPA 1072, 2017 Edition  TASK: Analyze a hazardous materials scenario to manage of the candidate will analyze a hazardous materials scenario to manage of the candidate will analyze a hazardous materials scenario to in mons: Always follow manufacturer's recommendations and local standard operating all skills. Students must properly wear appropriate PPE when performing lines: If this skill involves the use of actual hazardous material samples, hazardous or or fatality. Appropriate personal protective equipment (PPE) must be worn a wed. The following skill sheet demonstrates general steps; specific hazmat included and the following specific incidents.  MENT REQUIRED:  azardous materials scenario involving multiple  azardous materials scenario involving multiple  azardous materials  TASK STEPS  Identify type of container.  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 source.	Date :					
Studer	Candidate:						
Candidate:	ial haza	ards.					
PERFOR	мансе Оитсоме: The candidate	will analyze a hazardo	us materials scenario to identify p	otentia	ıl hazar	ds.	
CONDITI performann warnin injury of	ons: Always follow manufactoming all skills. Students must g: If this skill involves the use or fatality. Appropriate perso ed. The following skill sheet o	urer's recommendation properly wear apprope of actual hazardous monal protective equipm demonstrates general s	ns and local standard operating pring this sk riate PPE when performing this sk raterial samples, hazardous mater ent (PPE) must be worn and safet	ocedure ill. ials can y preca	cause :	s) whe serious must b	e
		nvolving multiple	•	c			
IIaz	aruous materiais		• Approved reference material	T .	Тест	Re	TEST
No.		TASK STEPS			Fail	Pass	Fail
1.	Identify type of container.			1 0.00			
2.							
3.							
4.	Identify location of release.						
5.	Identify conditions surroun	ding the incident.					
6.	Communicate with applical	ble operators or repres	entatives.				
7.	Collect and determine haza	ard information using a	pproved reference sources.				
8.	Describe any potential beha	avior of material and co	ontainers.				
9.	Describe potential hazards,	harm, and outcomes b	pased on potential behavior.				
valuato	or/Candidate Comments:						
	Evaluator (Print & Sign)	Date	Candidate			Da	 te
	Re-Test Evaluator	Date	Re-Test Candidate			Da	te

**Re-Test Evaluator** 

5.3	IDENTIFY ACTION OPTIONS				J	PR - HI	<b>VIO</b> #2
Candid	ate:		Date :				
Studen	t#:						
STANDA	RD: 5.3.1 NFPA 1072, 2017 Edition	Таsк: Identify actions available at	a hazardous materials	incider	nt.		
PERFOR	иамсе Оитсоме: The candidate	will identify actions available at a	hazardous materials ir	ncident	•		
perform warning injury of followed Always	ming all skills. Students must	io • A	hen performing this skiples, hazardous materioust be worn and safety	skill. erials can cause serious ety precautions must be may differ in procedure. resources		s e	
•	Policies and procedures		ist of available resour				
	r oncies and procedures		iot of available resource		TEST	Re	TEST
No.		TASK STEPS		Pass	Fail	Pass	Fail
1.	Identify response objective resources.	based on the scope of the incide	nt and available				
2.		d on the scope of the incident and	d available resources.				
3.	Identify safety precautions						
4.		equipment appropriate for the in	ıcident.				
5.	Identify emergency deconta	mination needs at the scene.					
valuato	or/Candidate Comments:						
	Evaluator (Print & Sign)	Date	Candidate			Da	te

Date

**Re-Test Candidate** 

Evaluator (Print & Sign)

**Re-Test Evaluator** 

5.4	ACTION PLAN IMPLEMENT	ATION	JP	R - HN	<b>//O</b> #3
Candid	ate:	Date :			
Studer	nt #:				
STANDA	RD: 5.4.1 NFPA 1072, 2017 Edition	Тазк: Provide scene control at a hazardous materials incident.			
PERFOR	ма <mark>мсе Оитсоме</mark> : The candidate	e will provide scene control at a hazardous materials incident.			
perform warning injury followed Always	ming all skills. Students must o If this skill involves the use or fatality. Appropriate perso	urer's recommendations and local standard operating procedure properly wear appropriate PPE when performing this skill. of actual hazardous material samples, hazardous materials can conal protective equipment (PPE) must be worn and safety precaudemonstrates general steps; specific hazmat incidents may differ specific incidents.	cause so	erious nust be	e
•	Hazardous materials incide An assignment with limited with a hazardous material Policies and procedures	•		ent	
No.	·	TASK STEPS FIRST			TEST
1.	Taka mustaatina astisma	Pass	Fail	Pass	Fail
2.	Take protective actions.  Establish an incident mana	goment system	-		
3.	Develop and implement an	-			
4.	Establish and ensure scene				
5.	Select and use personal pro				
6.	Protect exposures and pers				
7.	Ensure safety procedures a				
8.	Minimize or avoid hazards.				
9.	Identify potential evidence				
10.	Preserve potential evidence	e.			
11.	Complete assignment(s).				
Evaluate	or/Candidate Comments:				
	·				

Date

Date

Candidate

**Re-Test Candidate** 

Date

Candid	ate:	Date :	
6.2	PERSONNAL PROTECTIVE EQUIPMENT		
5.4	ACTION PLAN IMPLEMENTATION		JPR - HMO #

STANDARD:	5.4.1, 6.2.1	TASK: Don, work in, undergo decontamination, and doff a Level C ensemble.
	NFPA 1072, 2017 Edition	

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:**

Student #:

• Level C ensemble

Respirator

• Decontamination equipment

	Tagy Carps	FIRST TEST		RETEST	
No.	TASK STEPS	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. <b>NOTE:</b> Tape wrists and gaps if required by SOPs.				
10.	Breathe through respirator and ensure that respirator is functioning properly. <b>NOTE:</b> 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.				

Evaluator/Candidate Comments:			
Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator		Re-Test Candidate	Date

PERSONNAL PROTECTIVE EQUIPMENT

5.4 ACTION PLAN IMPLEMENTATION	N
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**JPR - HMO #5** 

Candidate:	·	Date :
carrara acc.		

STANDARD: 5.4.1, 6.2.1 Task: Don, work in, undergo decontamination, and doff liquid splash-protective clothing.

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:**

6.2

Student #:

• Liquid splash-protective ensemble

SCBA

• Decontamination equipment

	T. 01 C	FIRST TEST		RETEST	
No. 1.	TASK STEPS	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.				
۵	Don outer protective gloves.				
9.	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				
10.	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.				

Evaluator/Candidate Comments:			
Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Evaluator		Re-Test Candidate	Date

**Re-Test Evaluator** 

andidat udent # STANDAR	e:	Data				
		Date : _				
STANDAR	t:					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	D: 5.4.1, 6.2.1 TASI	k: Don, work in, undergo decontamination	, and dof	f vapor	-protecti	ve
	NFPA 1072, 2017 Edition clot	thing.				
PERFORM	ымсе Оитсоме: The candidate will do	n, work in, and doff vapor-protective clo	hing.			
	•	ecommendations and local standard oper			s (SOPs) v	when
	• • • • • • • • • • • • • • • • • • • •	ly wear appropriate PPE when performin	_			
		ial hazardous material samples, hazardou				
		tective equipment (PPE) must be worn a	-	-		
	_	strates general steps; specific hazmat inci	dents ma	y differ	in proce	dure.
	follow AHJ's procedures for specifi	c incidents.				
EQUIPME	NT REQUIRED:	CCDA				
•	Vapor-protective ensemble	• SCBA				
<u> </u>	Decontamination equipment		F	- <b>-</b>		
No.	Т	ASK STEPS	Pass	Fail	Pass	Fail
1.	Perform a visual inspection of PP	E and SCBA for damage or defects.	F a 3 3	Faii	rass	Fai
2.	Ensure the ensemble is the corre					
3.	Ensure zipper is in good working		1			
<u> </u>		jects that could damage ensemble.				
5.	Don ensemble according to AHJ's					
6.	Don the SCBA according to AHJ's					
		epiece, check seal, and breathe normally	1			
7.	to ensure SCBA operates properly					
8.	Don protective headgear (if requ	•				
9.	Don outer protective gloves.	, ,				
10.	Perform pre-entry checks accord	ing to AHJ's SOPs.				
11.	Perform work assignment.					
12.	Undergo decontamination as per	AHJ's SOPs.				
13.	To doff, remove PPE in reverse o					
14.	Ensure medical monitoring is per	formed as per AHJ's SOPs.				
15.	Conduct a post-entry inspection	of PPE for damage or defects according				
15.	to AHJ's SOPs and document find	•				
16.	Clean and disinfect PPE according	g to local SOPs and manufacturer's				
	instructions.					
17.	Return to proper storage as per r	manufacturer's instructions.				
luator/	Candidate Comments:					
,						
	Evaluator (Print & Sign)	Date Candida				Date

Date

**Re-Test Candidate** 

**Re-Test Evaluator** 

5.4 ACTION PLAN IMPLEMENTATION						JPR - I	НМО
ndidate	e:		_ Date : _				
udent #	<b>:</b>		_				
Standar	D: 5.4.1 NFPA 1072, 2017 Edition	<b>Тазк</b> : Perform gross o	decontamination.				
PERFORM	ANCE Оитсоме: The candidate	will perform gross deco	ontamination.				
	ns: Always follow manufactu			ating pro	cedures	(SOPs) v	vher
perform	ning all skills. Students must	properly wear appropri	ate PPE when performing	g this ski	II.		
	: If this skill involves the use		• •				
	r fatality. Appropriate perso		• •	•	•		
	d. The following skill sheet d		eps; specific hazmat incid	lents ma	y differ	in proced	lure
	follow AHJ's procedures for	specific incidents.					
-	NT REQUIRED :						_
•	Appropriate personal prote	ctive equipment	Approved contains	iner for	contami	nated PP	E
	(PPE)		Hygienic wipes	· · · · · · · · ·			
	Approved tools and equipm		Soap and showe			DDE	
•	Approved container for con equipment	taminated tools and	<ul> <li>Approved washi</li> </ul>	ng macr	ines for	PPE	
	equipment			Eipc	T TEST	Dr	TEST
No.	TASK STEPS		Pass	Fail	Pass	Fa	
	1	On Scene		1	1	1 0.00	
1.	Isolate contaminated tools	and equipment accord	ling to SOPs.				
2.	Conduct decontamination						
3.	Wash and/or isolate PPE a	ccording to SOP/Gs, do	ffing as appropriate.				
4.	Use hygienic wipes to wipe	e potential contaminate	es from face, head, neck,				
4.	and hands.						
		In Quarters					
5.	Shower thoroughly using s						
6.	Clean PPE according to SO						
7.	Inspect and maintain PPE		rer's recommendations.				
8.	Store PPE outside of living						
9.	Complete required reports	s and supporting docum	nentation.				
aluator/	Candidate Comments:						
	Evaluator (Print & Sign)	Date	Candidat				Date

Date

**Re-Test Candidate** 

**EMERGENCY DECONTAMINATION** 

5.5

STANDAR	RD: 5.5.1	<b>Т</b> аsк: Perform emerge	ncy decontamination				
JIANDAN	NFPA 1072, 2017 Edition	TASK: Ferrorm emerge	ncy decontainmation.				
PERFORM	иамсе Оитсоме: The candidate w	vill perform emergency	decontamination.				
	ons: Always follow manufacture			ating pro	cedures	(SOPs) v	whei
	ning all skills. Students must p		·			(00.0)	
•	: If this skill involves the use o		•			ause seri	ious
	or fatality. Appropriate person		•				
	ed. The following skill sheet de				•		
	follow AHJ's procedures for sp		•			·	
	NT REQUIRED :						
•	Appropriate personal protect	tive equipment	<ul> <li>Water supply</li> </ul>				
	(PPE)		<ul> <li>Rescue manneq</li> </ul>	uin			
•	Disposable clothing or PPE		<ul> <li>Charged hoselin</li> </ul>	e			
NI-		T 5		Firs	T <b>T</b> EST	RE	TEST
No.		TASK STEPS		Pass	Fail	Pass	Fa
	Ensure that all responders in	nvolved in decontamina	ition operations are				
1.	wearing appropriate PPE for	r performing emergency	decontamination				
	operations.						
2.	Remove the victim from the contaminated area.						
3.	Ensure emergency decontain	mination is set up in a sa	afe area.				
4.	Wash immediately any cont	caminated clothing or ex	cposed body parts with				
4.	flooding quantities of water	•					
5.	Remove mannequin PPE/clo	othing rapidly, minimizir	ng the spread of				
J.	contaminants.						
6.	Perform a quick cycle of hea	ad-to-toe rinse, wash, a	nd rinse.				
7.	Transfer the victim to treatr	ment personnel for asse	ssment, first aid, and				
, · · · · · · · · · · · · · · · · · · ·	medical treatment.						
8.	Ensure that ambulance and	hospital personnel are	told about the				
	contaminant involved.						
9.	Complete required reports a	and supporting docume	ntation.				
luator	/Candidate Comments:						
Evaluator (Print & Sign)			Candidat	———— е			Date

**JPR - HMO #8** 

5.6	PROGRESS EVALUATION A	ND REPORTING				JPR - I	HMO #9
Candidate			_ Date	:			
	D: 5.6.1 NFPA 1072, 2017 Edition	Таsк: Evaluate progre	– ess made at a hazardou	s material	s incider	nt.	
DEDECORM	ANCE OUTCOME: The candidate v	vill evaluate progress i	made at a hazardous m	aterials inc	rident		
CONDITIO perform warning injury o followed Always	NS: Always follow manufactur ning all skills. Students must p : If this skill involves the use or r fatality. Appropriate person d. The following skill sheet de follow AHJ's procedures for s	er's recommendations properly wear appropri of actual hazardous ma nal protective equipme emonstrates general st	s and local standard ope iate PPE when performi aterial samples, hazardo ent (PPE) must be worn	erating proing this skill ous materia and safety	ocedures II. als can c precaut	ause seri	ous st be
•	NT REQUIRED: Hazardous materials inciden An assignment Policies and procedures	t scenario	<ul><li>Status of assig</li><li>Approved com</li></ul>		on tools a	and equi	oment
No.		TASK STEPS		Firs Pass	TEST Fail	Re Pass	Fail
1.	Determine incident status.			Pass	Fall	P 433	Fall
2.	Evaluate the IAP.						
3.	Determine if action objective	ves are being met.					
4.	Evaluate effectiveness of as						
5.	Communicate progress to s tools and equipment.		ved communication				
aluator/	Candidate Comments:						
	Evaluator (Print & Sign)	Date	Candid	ate			Date
	Re-Test Evaluator	Date	Re-Test Ca	ndidate			Date

Evaluator (Print & Sign)

**Re-Test Evaluator** 

	PERSONAL PROTECTIVE EQU	JIF IVILIVI				JPR - H	WIO #1
ndidat	e:		Date : _				
udent #	#:		_				
TANDAR	RD: 6.2.1 NFPA 1072, 2017 Edition	<b>Т</b> а <b>s</b> к: Select appropr	iate PPE to address a haza	ardous m	naterials	scenario	
PERFORM	и памсе Оитсоме: The candidate w	ill select appropriate	PPE to address a hazardo	us mate	rials sce	nario.	
oerforn warning njury o followe Always	ons: Always follow manufacture ming all skills. Students must properties and skills are propertied by fatality. Appropriate personated. The following skill sheet derest follow AHJ's procedures for spent Required:  Hazardous materials incident Mission-specific assignment in requires use of PPE  The scope of the problem Response objectives and action incident scenario	roperly wear approprisectual hazardous mail protective equipmenonstrates general singuistic incidents.  scenarion an IAP that	iate PPE when performing aterial samples, hazardou ent (PPE) must be worn ar	g this ski s materia nd safety dents ma ardous m nal, an er rating pr cedures	II. als can concept precauting differ aterials mergence	ause seri tions mus in proced technicia ty respon	ous it be lure. n, an
No.		TASK STEPS		FIRS	T TEST	RE	TEST
		TASK STEPS		Pass	Fail	Pass	Fail
1.	Determine hazards.  Select an appropriate PPE er						

Date

Date

Candidate

**Re-Test Candidate** 

Date

.6	PRODUCT CONTROL				JPR - H	IMO #1:
andidat	e:	D	ate :			
tudent #	t:					
STANDAR	D: 6.6.1 NFPA 1072, 2017 Edition	Таsк: Perform absorption/adsorption.				
PERFORM		ate will perform absorption/adsorption.				
		cturer's recommendations and local standard	d operating pro	cedure	s (SOPs) v	when
	•	ust properly wear appropriate PPE when perfo			, ,	
WARNING	: If this skill involves the u	ise of actual hazardous material samples, haz	ardous materi	als can d	cause ser	ious
		rsonal protective equipment (PPE) must be w		•		
	_	et demonstrates general steps; specific hazma	at incidents ma	ay differ	in proce	dure.
	follow AHJ's procedures f	or specific incidents.				
-	NT REQUIRED :					
•	Appropriate personal pro		naterial			
	(PPE)	• Shovels				
•	Simulated hazardous ma	• Secure co	ntainer with li	d		
	Hand tools		Fine	T TEST	Dr	TEST
No.		TASK STEPS	Pass	Fail	Pass	Fail
1.	Ensure proper product	control technique is chosen.	1 433	- un	1 433	1 411
		ers involved in the control function are weari	ng			
2.	•	ppropriate PPE for performing absorption/adsorption operations and				
		cools have been selected.				
2	Select a location to effic	ciently and safely perform the absorption				
3.	/adsorption operation.					
4.	Select the most approp	riate sorbent/adsorbent.				
5.	Deploy the sorbent/ads the spill.	sorbent in a manner that most efficiently con	trols			
		incident, place any contaminated material, su				
6.		ved container for transportation to a disposa	I			
	location.					
7.		ainer and document appropriate information	for			
	department records.					
8.	Decontaminate tools.					
9.		nation line for decontamination.				
10.	Complete required repo	orts and supporting documentation.				
	Candidate Comments:					
	Evaluator (Print & Sign)		andidate			Date

Date

**Re-Test Evaluator** 

**Re-Test Candidate** 

**Re-Test Evaluator** 

6.6	PRODUCT CONTROL					JPR - HI	MO #12
Candidat	te:		Date : _				
Student	#:						
STANDAR	RD: 6.6.1 NFPA 1072, 2017 Edition	Таsк: Perform damming.					
PERFORM	мансе <b>О</b> итсоме: The candidate w	vill perform damming operati	ions.				
	ons: Always follow manufacture			ting pro	cedures	(SOPs) w	hen
	ming all skills. Students must p					(,	
	is necessary to determine if co						
	G: If this skill involves the use o					ause seri	ous
	or fatality. Appropriate persona		•				
followe	ed. The following skill sheet de	monstrates general steps; sp	ecific hazmat incid	ents ma	y differ i	n proced	ure.
Always	follow AHJ's procedures for sp	pecific incidents.					
EQUIPME	ENT REQUIRED :						
•	Appropriate personal protect	ive equipment •	Shovels				
	(PPE)	•	Earth, rock, or sa	ınd			
•	Simulated hazardous materia	Is liquid •	Piping				
•	Secure container with lid						
No.		TASK STEPS		FIRST	TEST	Re	TEST
140.		TASK STEPS		Pass	Fail	Pass	Fail
1.	Ensure proper product cont	rol technique is chosen.					
	Ensure that all responders in	on are wearing					
2.		ning damming operations and	d that				
	appropriate hand tools have	e been selected.					
3.	Select a location to efficient	ly and safely perform the dar	mming				
J.	operation.						
4.		ion and manner that most e	fficiently controls				
7.	the spill.						
	=	ent, place any contaminated					
5.		container for transportation	to a disposal				
	location.						
6.		and document appropriate i	information for				
	department records.						
7.	Decontaminate tools.						
8.	Advance to decontaminatio						
9.	Complete required reports a	and supporting documentation	on.				
Evaluator,	/Candidate Comments:						
	Evaluator (Print & Sign)	Date	Candidate	•		0	ate

Date

**Re-Test Candidate** 

5.6	PRODUCT CONTROL					JPR - HI	MO #13
Candidate	e:		Date :				
tudent #	<b>:</b>						
STANDARI		<b>T</b> ask: Perform diking o	perations.				
<b>D</b>	NFPA 1072, 2017 Edition	:					
	ANCE OUTCOME: The candidate					/CODs)	ما ما ما
	ns: Always follow manufactu ning all skills. Students must					(SOPS) W	nen
•	: If this skill involves the use		•	•		ause seri	OUS
	r fatality. Appropriate perso		•				
	d. The following skill sheet o			•	•		
	follow AHJ's procedures for		, <b>,</b>		•	•	
EQUIPMEN	NT REQUIRED :	•					
•	Appropriate personal prote	ctive equipment	<ul><li>Shovels</li></ul>				
	(PPE)		• Earth, rock, or s	sand			
•	Simulated hazardous mater	rials liquid	<ul> <li>Secure contained</li> </ul>	er with lic	ł		
No.		TASK STEPS		FIRS	T TEST		TEST
				Pass	Fail	Pass	Fail
1.	Ensure proper product co	•					
	insure that all responders involved in the control function are wearing						
2.	appropriate PPE for performing diking operations and that appropriate						
	hand tools have been sele		111.1				
3.	Select a location to efficie						
4.	Construct the dike in a ma		ost efficiently controls				
	and directs the spill to a d Upon mitigation of the inc		aatad matarial such				
5.	as clothing, in an approve						
٦.	location.	u container for transporta	ition to a disposal				
	Seal and label the contain	er and document annronr	iate information for				
6.	department records.	er and document appropr	iate information for				
7.	Decontaminate tools.						
8.	Advance to decontaminat	ion line for decontaminat	ion.				
9.	Complete required report						
/aluator/	Candidate Comments:	-			•	•	•
valuatory	candidate comments.						
	Evaluator (Print & Sign)	Date	Candida	te			Date
	Re-Test Evaluator		Re-Test Can	didate			 Date

5.6 PRODUCT CONTROL						JPR - H	MO #1
andidat	e:		Date : _				
tudent #	t:						
STANDAR	D: 6.6.1 NFPA 1072, 2017 Edi	TASK: Perform diversion.					
PERFORM	· · · · · · · · · · · · · · · · · · ·	idate will perform diversion.					
		ifacturer's recommendations and lo	ocal standard opera	ting pro	cedures	(SOPs) v	vhen
	· ·	must properly wear appropriate PF	•			. ,	
WARNING	: If this skill involves th	e use of actual hazardous material	samples, hazardous	materia	als can c	ause seri	ious
injury o	r fatality. Appropriate	personal protective equipment (PP	E) must be worn an	d safety	precaut	tions mu	st be
	_	neet demonstrates general steps; $s_{ }$	pecific hazmat incid	ents ma	y differ	in proced	dure.
	•	es for specific incidents.					
	NT REQUIRED :						
•	Appropriate personal	protective equipment •	Tools, including	shovels,	picks, a	nd	
	(PPE)		wheelbarrows				
•	Simulated hazardous r	•	Earth, rock, or sa	ınd			
•	Secure container with	lid		F	- <b>T</b>	D-	
No.		TASK STEPS		Pass	Fail	Pass	Fail
1.	Ensure proper produ	ct control technique is chosen.		Pass	ган	Pass	Fall
1.		responders involved in the control function are wearing					
2.	·	opriate PPE for performing diversion operations and that					
		ate PPE for performing diversion operations and that ate hand tools have been selected.					
3.		fficiently and safely perform the di	version operation.				
	-	on in a manner and location that m	•				
4.		the spill to a desired location.	,				
-		ise hand tools to break the soil, ren	nove the soil, pile				
5.	the soil, and pack the	e soil tightly.					
	Upon mitigation of the	ne incident, place any contaminate	d material, such				
6.	as clothing, in an app	proved container for transportation	to a disposal				
	location.						
7.		ntainer and document appropriate	information for				
	department records.						
8.	Decontaminate tools						
9.		mination line for decontamination.					
10.	Complete required re	eports and supporting documentat	ion.				
aluator/	Candidate Comments:						
		Date					Date

Date

**Re-Test Evaluator** 

**Re-Test Candidate** 

Evaluator (Print & Sign)

.6	PRODUCT CONTROL					JPR - H	MO #15
andidate	e:		Date : _				
tudent #	:						
Standari	D: 6.6.1 T NFPA 1072, 2017 Edition	аsк: Perform retention.					
PERFORM	ANCE ОUTCOME: The candidate will	perform retention.					
	ns: Always follow manufacturer's		local standard opera	ting pro	cedures	(SOPs) v	vhen
	ning all skills. Students must prop						
WARNING	: If this skill involves the use of a	ctual hazardous materia	l samples, hazardous	materia	als can c	ause seri	ous
injury o	r fatality. Appropriate personal p	orotective equipment (P	PE) must be worn an	d safety	precaut	ions mus	st be
followe	d. The following skill sheet demo	onstrates general steps;	specific hazmat incid	ents ma	y differ	in proced	dure.
Always	follow AHJ's procedures for spec	rific incidents.					
EQUIPMEN	NT REQUIRED :						
	Appropriate personal protective	e equipment	<ul> <li>Tools, including:</li> </ul>	shovels,	picks, a	nd	
	(PPE)		wheelbarrows				
•	Simulated hazardous materials I	iquid	<ul> <li>Simulated leakin</li> </ul>	g hazard	lous ma	terials lic	quid
•	Secure container with lid		vessel				
•	Retention vessel						
No.		TASK STEPS		FIRST TEST		RE	TEST
				Pass	Fail	Pass	Fail
1.	Ensure proper product control						
	Ensure that all responders involved in the control function are wearing						
2.	appropriate PPE for performing	- '	nd that				
	appropriate hand tools have be						
3.	Select a location to efficiently a	and safely perform the r	etention				
	operation.						
4.	Evaluate the rate of flow of the	e leak to determine the	equired 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 inciden	•					
	as clothing, in an approved cor	•	•				
7.	Seal and label the container an	id document appropriat	e information for				
	department records.						
8.	Decontaminate tools.						
9.	Advance to decontamination li						
10.	Complete required reports and	d supporting documenta	tion.				
aluator/	Candidate Comments:						

Re-Test Evaluator Date Re-Test Candidate Date

Candidate

Date

6.6	PRODUCT CONTROL		JPR - HMO #16
Candida	ate:	Date :	
Student	t #:		

STANDARD:	6.6.1	<b>TASK</b> : Perform vapor suppression.
	NFPA 1072, 2017 Edition	

**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	Tacy Carpo	FIRS	T TEST	RETEST	
No.	TASK STEPS	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.				

ivaluator/Candidate Comments:					
Evaluator (Print & Sign)	Date	Candidate	Date		
Re-Test Evaluator		Re-Test Candidate	Date		

andidate			_ Da	te :		<del></del>	
udent #:			_				
Standard	: 6.6.1 NFPA 1072, 2017 Edition	<b>Task</b> : Perform vapor	dispersion.				
PERFORMA	NCE OUTCOME: The candidate v	vill perform vapor dis	persion.				
	s: Always follow manufacture			perating pro	cedures	(SOPs) v	vhe
	ing all skills. Students must p						
	If this skill involves the use o			-		ause seri	ous
njury or	fatality. Appropriate person	al protective equipme	ent (PPE) must be wo	rn and safety	precau	tions mu	st b
followed	. The following skill sheet de	emonstrates general s	teps; specific hazmat	incidents ma	y differ	in proced	dure
Always f	ollow AHJ's procedures for s	pecific incidents.					
EQUIPMEN	T REQUIRED :						
	Appropriate personal protec	tive equipment		ic monitoring			
	PPE)			ter source an			ratı
	Charged hoseline with fog pa			paratus drive	•	ator	
• 9	Simulated hazardous materia	als vapor vessel	Secure cont	tainer with lic	l		
No.		TASK STEPS			TEST		TEST
				Pass	Fail	Pass	F
1.	Ensure proper product cont						-
2.	Ensure that all responders involved in the control function are wearing appropriate PPE for performing vapor dispersion operations.						
							-
3.	Select a location to efficient operation.	uy and salely periorii	the vapor dispersion	'			
	Working as a team, advance	e the hoseline to a no	cition to annly agent				1
4.	through vapor cloud to disp	•	sition to apply agent				
	Constantly monitor the leak	-	direction, exposed	1			
5.	personnel, environmental in						
	Upon mitigation of the incident			ch			
6.	as clothing, in an approved						
	location.	•					
7.	Seal and label the container and document appropriate information for			or			
7.	department records.						
8.	Decontaminate tools.						
9.	Advance to decontamination						
10.	Complete required reports	and supporting docur	nentation.				
luator/0	Candidate Comments:						
	Evaluator (Print & Sign)	Date	Can	didate			
				Candidate			 Date

6.6	PRODUCT CONTROL		JPR - HMO #18
Candidate	:	Date :	
Student #			

STANDARD:	6.6.1	Task: Perform dilution.
	NFPA 1072, 2017 Edition	

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.	Tray Corne	Firs	FIRST TEST		RETEST	
	TASK STEPS		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.					

valuator/Candidate Comments:				
Evaluator (Print & Sign)	Date	Candidate	Date	
Re-Test Evaluator		Re-Test Candidate	Date	

.6	PRODUCT CONTROL				JPR - H	MO #1		
andidate			Date :					
STANDARI		Таsк: Operate remote v	ralve shutoff or activate	emerge	ency shu	toff devi	ce.	
PERFORM	ANCE OUTCOME: The candidate v	vill operate remote contr	ol valves and emergence	v shuto	off device	25.		
	ns: Always follow manufactur			-			hen	
	ning all skills. Students must p		•			( /		
•	: If this skill involves the use o		•			ause seri	ous	
	r fatality. Appropriate persor		•					
followed	d. The following skill sheet de	emonstrates general step	s; specific hazmat incide	ents ma	y differ i	in proced	lure.	
Always	follow AHJ's procedures for s	pecific incidents.						
EQUIPMEN	NT REQUIRED :							
	Appropriate personal protect (PPE)	tive equipment	Emergency remo	te shute	off devic	e		
No	TASK STEPS		Firs	T TEST	RETEST			
No.				Pass	Fail	Pass	Fai	
1.	Ensure proper product con	trol technique is chosen.						
2.	Ensure that all responders involved in control functions are wearing							
۷.	appropriate PPE for performing remote valve shutoff operations.							
3.	Identify and locate the eme	ergency remote control v	alve and/or					
J.	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.							
luator/	Candidate Comments:							
	Evaluator (Print & Sign)	Date	Candidate		Date			
	Re-Test Evaluator Date Re-Te		Re-Test Candid	t Candidate			Date	