

Hazardous Materials Technician

Skills Evaluation Sheets NFPA 1072 2017 Edition

STATE OF CONNECTICUT COMMISSION ON FIRE PREVENTION AND CONTROL 860-627-6363 In-State Toll Free - 1-877-528-3473









Hazardous Materials/Weapons of Mass Destruction Technician Level – Skill Sheet Index

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-	•	2017 Edition
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Hazardous Materials Technician

Skill N	lo. HM T	[-1 Prin	nary Task:	Analyze a H	IMWMD In	cident		
Objec	tive(s): 7.	1.2.2 (1)(a-e)		NFPA Sta 1072, 201		Candidate	e No.	
			Perfor	mance Evaluation Shee	t			
Tasks	:						1st	2nd
1.				fy containers, or classify mater oring equipment	ials, and veril	fy presense		
2.		and interprets h d montioring e		oonse information from resourc	es, electronic	c data		
3.	3. * Describes type and damage to containers							
4.	 * Predicts the likely behavior of released material and containers when multiple materials are 4. involved. 							
5.	Estimate: specialist		igered area usi	ng computer modeling, monitor	ring equipme	nt or		
* Critio	cal Step	Failure of this failure on the e	step mandates entire objective	Safety is Paramount	Total number must comple	r steps candid ete to pass	ate	4

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Skill N	lo. HMT-	-2	Primary Task:		Plan a	Response			
Objec	tive(s): 7.1	.2.2 (2)(a-e)		NFPA Sta 1072, 201		Candidate	No.	
			Perfor	mance Evaluati	on Sheet				
Tasks	5:							1st	2nd
1.	Describes	respons	e objectives for HM	WMD incident					
2.	Describes	potentia	al response objective	s for HMWMD incide	ent				
3.	Selects PF	PE requi	red for a given actior	n plan					
4.	Selects tec	chnical c	lecontamination proc	cess to minimize haz	ard				
5.									
6.	* Designs	site safe	ety and control plan						
* Critio	cal Step		of this step mandates on the entire objective	Safety is Paramo	ount	Total number must complete		ate	4
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Skill No.	HMT-3	Primary Task:	Implement a F	Planned Re	sponse		
Objective	e(s): 7.1.2.2(3)(a-d)	NFPA Sta 1072, 201		Candidate N	No.	
		Perfor	mance Evaluation Sheet	:			
Tasks:						1st	2nd
1. * F	Performs duti	es of an assigned HMW	MD branch or group position				
2. *[Dons, works i	n, and doffs appropriate	PPE as needed				
<u>з.</u> Ре	erforms contro	ol functions identified in	action plan				
4. Pe	Performs decontamination functions identified in action plan						
* Critical		lure of this step mandates ure on the entire objective	Safety is Paramount	Total number must complete	steps candidat e to pass	е	3

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Hazardous Materials Technician

Skill No. HMT-4 Primary Task: Evaluat	te Progress and Terminate a Planned Response					
Objective(s): 7.1.2.2(4)(a)(b), 7.1.2.2(5)(a)(b)(c)	NFPA Standard: Candidate No. 1072, 2017 Edition					
Performance Eval	uation Sheet					
Tasks:	1st 2nd					
1. * Evaluates effectiveness of control functions						
2. Evaluates effectiveness of decontamination process						
3. Assists in incident debriefing						
4. Assists in incident critque						
5. * Provides reports and documentation of incident						
* Critical Step Failure of this step mandates failure on the entire objective Safety is Par	ramount Total number steps candidate must complete to pass 4					

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Hazardous Materials/WMD

Technician Level

Ski	I No. HMT-	-5 Prin	nary Task:	Donning SCE	A			
Ob	ective(s): 7.	1.2.2, 7.1.2.2(3)(b), 7.4.2(3	8) NFPA Standard:	472, 2013 (Edition	Candidate No.			
		Perfo	rmance evaluation she	eet				
Та	sk				1 st 2	2 nd		
1	* Checks cyline	der gauge (90% Full)						
2	* Opens cylind	er fully						
3	Dons harness							
4	Checks facepie	ece						
5	Connects regu	lator to facepiece						
6	Turns PASS de	evice on						
7	Documents ac	tivity log						
* C	ritical Step	Failure of this step mandates failure on the entire objective	Safety is PARAMOUN	Total number s must complete	steps candidate to pass	5		

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Hazardous Materials/WMD

Technician Level

Skil	l No. 📕	IMT-6	Prim	ary Task:		Doffing SCBA			
Obj	ective(s) :	7.1.2.2,	7.1.2.2(3)(b), 7.4.2(3)	NFPA Standard:	1072, Editior		Candidate	es No.	
			Performa	ance evaluation	n she	et			
Tas	sk							1 st	2 nd
1	* Maintair	ns positive	pressure in facepiece	with regulator attached	ł				
2	* Leaves	cylinder fu	Illy open						
3	Loosens harness straps from body								
4	4 Receives assistance from decon member to maintain and remove harness from the back to the front of the candidate								
5	Loosens	facepiece	straps and removes fa	cepiece from face					
* Ci	ritical Step		e of this step mandates on the entire objective	Safety is PARAMOL	JNT		per steps can llete to pass	ndidate	4

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Hazardous Materials/WMD

Technician Level

Skill	No.	HMT-7	Primary Task:	SCBA – Rea	dy for In	nmediate	Use	
Obje	ective(s): 7.1.2.2, 7.1.2.2(3)(b), 7.4.2(3)	NFPA Standard:	1001 1072, 201	7 Edition	Candidate	e #	
			Performance Eva	luation Sheet				
Tas	sk							
							1st	2nd
1.	* Cheo	cks that cylinder is full (or at	t least 90%)					
2.		s operation of all gauges. V does not exceed 100 psi.	/erifies that the differ	ence between cyli	inder and r	egulator		
3.	Tests	operation of low pressure a	larm (to activate at 2	5% of cylinder)				
4.	Check	s all hose connections						
5.	Check	s condition of facepiece						
6.	Check	s condition of harness and	straps					
7.	Check	s operation of donning and	bypass valves					
8.	Check	s that unit is clean and san	itized					
9.	* Test	s PASS device						
* Cri	tical St	ep Failure of this task manda failure on the entire object		RAMOUNT		er steps car lete to pass	didate	6

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Hazardous Materials/WMD

Technician Level

Skill No.	IMT-8	Primary Task:	Decontan Techniqu					
Objective(s) :	7.1.2.2, 7.1.2.2(3)(d)	NFP/	A Standard:	1072, Editio	2017 n	Candidate	e No	
	Per	formance eva	luation	shee	t			
Task								
TUDA							1 st	2 nd
1. Dons I	evel "B" personal protectiv	e equipment						
"PREFO	RMS DECON FOR LEVE	L A ENTRY TEAM'	,					
2. Perfor	ms boot and outer glove w	ash and rinse						
3. Remov	3. Removes boot covers, and outer gloves. Deposits material in correct container							
4. Perfor	ms suit and safety boots w	ash and rinse						
5. Remov	es safety boots and fully	encapsulating suit						
6. Remov	ves SCBA tank and harnes	ss, places equipme	nt in area for	later cl	eaning			
"LEVEL	A DRESS DOWN"							
7. Proper	ly removes (inside and ou	t) and isolates disp	osable PPE ((tape, o	outer glo	oves, tyvek)		
8. Remov	ves facepiece							
9. *Wash	es face and hands prior to	entering cold zone)					
10. Take	s personal hygiene showe	r						
* Critical Step	Failure of this step manda failure on the entire object	tes ive Safety is P A	RAMOUN			nber steps cannot nplete to pas		7
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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials/WMD

Technician Level

Skill	No. HM1	-9 Primary	Task: Emer	gency De	contaminatio	n - Ambula	tory
Obje	ective(s): 7. 7.	1.2.2, NF 1.2.2(2)(d)(3)(d)	PA Standard:	1072, 201 Edition	7 Can	didates No.	
		Perf	ormance evaluat	ion sheet			
Tasl						1 st	2 nd
1	* Wears app	ropriate protective clothing	properly				
2	Verbalizes n	eed for emergency decont	amination				
3	* Directs vict	tim from contamination are	а				
4	Removes vio	ctim's clothing as rapidly as	possible				
5	5 Wash exposed body parts immediately – flooding quantities of water						
6	Performs he	ad-to-toe, gross, wash, and	d rinse				
7	Establish wa	ater run off control if possib	le				
8	Transfer vict	im to EMS for assessment	and treatment				
9	* Inform EM	S personnel of contaminan	t involved				
10	Document a	ctivity log					
* Cri	tical Step	Failure of this step mandates failure on the entire objective	Safety is PARA	MOUNT	Total number step must complete to		7

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials/WMD

Technician Level

Skill	No. H	MT-10	Primary Task:	Emergency Deco	ontamin	ation, Non-Amb	ulatory	
Obje	ective(s) :	7.1.2.2, 7.1.2.2(2	2)(d)(3)(d)	NFPA Standard:1072	2017 Editior	Candida	ites No.	
			Perfo	rmance evaluati	on she	et		
Tas	k						1 st	2 nd
1	* Wears a	appropriate	e protective clothin	g properly				
2	2 Verbalizes need for emergency decontamination							
3	Removes victim to the emergency decontamination area							
4	Ensures victim is secure on roof ladder, stokes basket, skid or other device							
5	Wash fro	m head to	toe; gross, wash,	rinse				
6			ated clothing while tact with any conta	e ensuring, where practic minants	al, that th	e victim does not		
7	Establish	water run	off control if possi	ble				
8	Instructs	responders	s to move victim to	o clean area				
9	* Informs I	EMS person	nel of contaminant,	and its hazards if known				
10	Document	s activity log	g					
* Cri	itical Step		of this step mandates n the entire objective	Safety is PARAMC	DUNT	Total number steps ca must complete to pass		7

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Skill N		44.6	Primary Task:		de etifu r				
-						Railroad Ca			
Objec	ctive(s): 7.2.	.1.1, 7.2	2.1.1.1(1-4)		NFPA Sta 1072, 201		Candidate	e No.	
			Perfor	mance Evaluatio	on Sheet				
Task	s:							1st	2nd
1.	Identifies c	ontaine	r name						
2.	* Identifies	the cor	ntainer by specificatio	ons					
3.	Identifies th	ne typic	al contents by name						
4.	Identifies th	ne typic	al contents by hazard	d class					
* Criti	cal Step		of this step mandates on the entire objective	Safety is Paramo	ount	Total number must complete		ate	3

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Skill No. HMT	-11B Primary Task:	Identify Inte	ermodal Tanks	
Objective(s): 7.2	2.1.1, 7.2.1.1.2(1)(a)(b)(2)(3)(a)(b) NFPA Sta 1072, 201		No.
	Perfor	mance Evaluation Sheet		
Tasks:				1st 2nd
1. Identifies	container name			
2. * Identifie	s the container by specificatio	ons		
3. Identifies	the typical contents by name			
4. Identifies	the typical contents by hazard	d class		
* Critical Step	Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number steps candidat must complete to pass	^e 3

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Skill I	No. HMT-	110	Primary Task:		Idontify (Cargo Tan	ke		
	ctive(s): 7.2.				NFPA Sta 1072, 201	indard:	Candidate	No.	
			Perfor	mance Evaluatio					
Task	s:							1st	2nd
1.	Identifies c	ontaine	r name						
2.	* Identifies	the cor	ntainer by specificatio	ons					
3.	Identifies th	he typic	al contents by name						
4.	Identifies th	he typic	al contents by hazard	d class					
* Criti	ical Step		of this step mandates on the entire objective	Safety is Paramo	ount	Total number must complet		ate	3

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Skill N	No. HMT-1	11D	Primary Task:	lder	ntify Facili	ity Storage	Tanks		
Objec	tive(s): 7.2.1	1.1, 7.2.	.1.1.4(1-3)		NFPA Sta 1072, 201		Candidate	e No.	
			Perfor	mance Evaluat	ion Sheet				
Tasks	5:		_					1st	2nd
1.	Identifies co	ontainer	name						
2.	* Identifies t	the cont	tainer by specificatio	ons					
3.	Identifies the	e typica	al contents by name						
4.	Lendertifies the typical contents by hazard class								
* Critio	cal Step		of this step mandates n the entire objective	Safety is Param	ount	Total number must complet		ate	3

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Skill No. HMT	-11E Primary Task:	Identify Non-	Bulk Packaging	
Objective(s): 7.2	2.1.1, 7.2.1.1.5(1-4)	NFPA Sta 1072, 201		
	Perfor	mance Evaluation Sheet		
Tasks:			1si	2nd
1. Identifies	container name			
2. * Identifies	the container by specification	ons		
3. Identifies	he typical contents by name			
4. Identifies	he typical contents by hazar	d class		
* Critical Step	Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number steps candidate must complete to pass	3

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Hazardous Materials Technician

Skill No.	HMT-11F	Primary Task:	Identify Radioactiv	ve Materia	Is Package	es	
Objective	e(s): 7.2.1.1, 7.	2.1.1.6(1-5)	NFPA Sta 1072, 201		Candidate	No.	
		Perfor	mance Evaluation Sheet				
Tasks:						1st	2nd
	entifies containe	er name					
2. *	Identifies the co	ntainer by specificatio	ons		-		
3. Id	entifies the typic	cal contents by name			-		
4. Id	entifies the typic	cal contents by hazard	d class		-		
* Critical		of this step mandates on the entire objective	Safety is Paramount	Total number must comple	r steps candida te to pass	ate	3

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Skill N	No. HMT-	11G	Primary Task:	Identif	y Bulk Contai	ners	
Objec	ctive(s): 7.2.	.1.1, 7.2	2.1.1.7(1)(2))		A Standard: , 2017 Edition	Candidate No	
			Perfor	mance Evaluation Sh	neet		
Task	s:					1:	st 2nd
1.	Identifies c	ontaine	r name				
2.	* Identifies	the cor	tainer by specificatio	ns			
3.	Identifies th	ne typic	al contents by name				
4.	Identifies th	ne typic	al contents by hazard	d class			
* Criti	cal Step		of this step mandates on the entire objective	Safety is Paramount	Total number must comple	r steps candidate te to pass	3

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Hazardous Materials Technician

Skill No.	HMT-12A	Primary Task:	Container Markings o	n Transpo	ortation Ve	hicle	S
Objective	e(s): 7.2.1.2, 7.2	2.1.2.1(1-3)	NFPA Sta 1072, 201	andard: 17 Edition	Candidate	No.	
		Perfor	mance Evaluation Sheet				
Tasks:						1st	2nd
	antifica marking	n on container				151	2110
	entifies marking				-		
2. *	Identifies capaci	ity			-		
3. Id	entifies other av	ailable resources to a	assist in process				
* Critical		e of this step mandates on the entire objective	Safety is Paramount	Total numbe must comple	r steps candida ete to pass	ate	2

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Hazardous Materials Technician

Skill N	o. HMT-12	B Primary Task:	Container Markings	s on Facility	y Contain	ers	
Object	tive(s): 7.2.1.2	, 7.2.1.2.2(1-3)	NFPA Sta 1072, 201		Candidate	No.	
		Perfor	mance Evaluation Sheet				
Tasks						1st	2nd
1.		kings on container				101	2.114
2.	Identifies capa	acity			-		
3.	Identifies othe	r available resources to a	assist in process				
					L		
* Critic		ilure of this step mandates lure on the entire objective	Safety is Paramount	Total number must complete		ate	2

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Hazardous Materials Technician

Skill N	o. HMT	-13	Primary Tas	k:			Analys	is Proce	SS		
Object			7.2.1.3.1, 7.2.1.3 (1-18), 7.2.1.3.5(NFPA Sta 1072, 201		Candidate	e No.	
	Performance Evaluation Sheet										
Tasks										1st	2nd
1.	Identifies	steps	for classifying by	hazard	an unknow	n solid					
2.	Identifies	steps	for classifying by	hazard	an unknow	n liquid					
3.	Identifies	steps	for classifying by	hazard	an unknow	n atoms	phere				
4.	Identifies	type(s) of monitoring te	chnolog	y used to d	letermin	e specific h	nazards			
	 Identifies and determines limiting factors associated with monitoring equipment, test strips and reagents 										
	 * Selects and demonstrates correct techniques for monitoring equipment, test strips and/or 6. reagents to identify hazards 							ps and/or			
	* Demons and reage		field maintenanc	e and te	sting proce	edures fo	or monitorir	ng equipme	nt, test strips		
* Critic	al Step		re of this step manda re on the entire object		Safety is P a	aramo	unt		er steps candid lete to pass	ate	5

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Skill No	HMT-14 Primary Task:	Radioactive	e Identifica	tion			
Objectiv	ve(s): 7.2.1.4	NFPA Sta 1072, 201		Candidate No.			
	Perf	ormance Evaluation Sheet					
Tasks:				1st	2nd		
1. I	dentfies type or category of label fo	r radioactive material					
2. I	dentifies contents of product						
3. I	dentifies activity of product						
4. I	dentifies transport index of product						
5. *	Identifies criticality index of produc	t					
6. *	6. * Describes the radiation dose rates associated with each label						
* Critica	Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number s must complete	steps candidate to pass	4		

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Skill I	No. HMT-15	Primary Task:	Collecti	ng Samples		
Obje	tive(s): 7.2.1.5	(1-3)	NFPA Sta 1072, 201		andidate No.	
		Perfor	mance Evaluation Sheet			
Task	5:				1st	2nd
1.	* Demonstrates	s appropriate methods fo	or collecting a gas based on pro	oduct		
2.	* Demonstrates	s appropriate methods fo	or collecting a liquid based on p	roduct		
3.	* Demonstrates	s appropriate methods fo	or collecting a solid based on pr	oduct		
* Crit		lure of this step mandates ure on the entire objective	Safety is Paramount	Total number ste must complete to		3

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Hazardous Materials Technician

Skill N	^{lo.} F	IMT-16	Primary Task:	Collecting and		ting Haza rmation	rd and Re	spon	se		
Objec	tive(s)	: 7.2.2, 7.2 7.2.2.5,	2.2.1(1-5), 7.2.2.2(1-54) 7.2.2.6	, 7.2.2.3, 7.2.2.4,	NFPA Sta 1072, 201		Candidate	e No.			
	Performance Evaluation Sheet										
Tasks	5:							1st	2nd		
1.			terprets types of hazard ages and disadvantage		rmation from	n resources a	and				
2.	Desc	ribes termi	nology and explains sig	nificance in the ana	lysis proces	s					
3.	Desc	ribes heat	transfer processes that	occur as a result of	a cryogenic	liquid spill					
4.	* Ider	ntifies signs	s and symptoms of expo	osure to material an	d the target	organ effect	S				
5.	* Ider	ntifies meth	nods for determining pre	ssure in bulk packa	iging or facil	ity container	S				
6.	 Identifies method for determining amount of lading remaining in damaged bulk packaging or facility containers 										
* Critio	cal Ste		ire of this step mandates re on the entire objective	Safety is Paramo	ount	Total number must comple	r steps candid te to pass	late	4		

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Skill No. Primary Task: HMT-17A **Bulk Container Construction** Objective(s): 7.2.3, 7.2.3.1, 7.2.3.1.1(1)(a-g)(2)(a-c)(3) NFPA Standard: Candidate No. (4)(a-c)(5)(6)(7)(a-d) 1072, 2017 Edition **Performance Evaluation Sheet** Tasks: 2nd 1st 1. Identifies basic design and construction features of cargo tanks * Identifies closures of cargo tanks 2. Identifies basic design and construction features of fixed facility tanks 3. * Identifies closures of fixed facility tanks 4. Identifies basic design and construction features of intermediate bulk containers 5. * Identifies closures of intermediate bulk containers 6. Identifies basic design and construction features of intermodal tanks 7. * Identifies closures of intermodal tanks 8. Identifies basic design and construction features of one-ton containers 9. * Identifies closures of one-ton containers 10. Identifies basic design and construction features of pipelines 11. * Identifies closures of pipelines 12. Identifies basic design and construction features of railroad cars 13. 14. * Identifies closures of railroad cars * Critical Step Total number steps candidate Failure of this step mandates 10 Safety is **Paramount** must complete to pass failure on the entire objective

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Skill N	lo. HMT-17B Primary Task:	Non-Bulk Cont	ainer Construction							
Objec	tive(s): 7.2.3, 7.2.3.1, 7.2.3.1.2(1-4)	NFPA Sta 1072, 201		e No.						
	Performance Evaluation Sheet									
Tasks	s:			1st	2nd					
1.	Identifies basic design and construction	n features of bags								
2.	* Identifies closures of bags									
3.	Identifies basic design and construction	n features of carboys								
4.	* Identifies closures of carboys									
5.	Identifies basic design and construction	n features of drums								
6.	* Identifies closures of drums									
7.	Identifies basic design and construction	n features of cylinders								
8.	* Identifies closures of cylinders									
* Criti	cal Step Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number steps candid must complete to pass	ate	6					

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Hazardous Materials Technician

Skill No.	Skill No. HMT-17C Primary Task: Radioactive Container Design and Test Requirements									
Objectiv	e(s): 7.2.3, 7.2.3	3.1, 7.2.3.1.3(1-5)	NFPA	A Standard: , 2017 Edition	Candidate No.					
	Performance Evaluation Sheet									
Tasks:					1st	2nd				
1. lo	lentifies basic de	esign and construction	n features of excepted pack	ages						
2. *	Identifies testing	requirements of exc	epted packages							
3. lo	lentifies basic de	esign and construction	n features of industrial pack	ages						
4. *	Identifies testing	requirements of indu	strial packages							
5. lo	lentifies basic de	esign and construction	n features of Type A							
6. *	Identifies testing	requirements of Typ	e A							
7. lo	lentifies basic de	esign and construction	n features of Type B							
8. *	Identifies testing	requirements of Typ	e B							
9. lo	lentifies basic de	esign and construction	n features of Type C							
10. *	Identifies testing	requirements of Typ	e C							
* 0 '''				Tatala						
* Critical		e of this step mandates on the entire objective	Safety is Paramount	l otal numb must compl	er steps candidate ete to pass	7				

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Skill No.	HMT-18	Primary Task:	Pipeline	Identificat	ion			
Objective	e(s): 7.2.3, 7.2	2.3.2, 7.2.3.3(1-4)	NFPA Sta 1072, 20	andard: 17 Edition	Candidate	No.		
Performance Evaluation Sheet								
Tasks:						1st	2nd	
1. D	escribes how I	iquid petroleum produc	t pipeline carries different prod	uct				
2. Id	entifies owners	ship of pipeline						
3. *	Identifies proce	edures for checking gas	s migration					
4. *	Identifies proce	edures for shutting dow	n pipeline or contolling leak					
5. Id	entifies type of	f product in pipeline						
* Critical		re of this step mandates e on the entire objective	Safety is Paramount	Total numbe must comple	r steps candida te to pass	ate	4	

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Skill No.	HMT-19	Primary Task:	Identify Co	ntainer Dar	nage				
Objective	e(s): 7.2.3, 7.	.2.3.4	NFPA Sta 1072, 201		Candidate	No.			
		Perfor	mance Evaluation Sheet						
Tasks:	Tasks: 1st								
1. * [Describes the	e visual and predictable	characteristics of a "Stress Eve	nt" on a conta	iner				
2. ^{* [}	Describes the	e visual and predictable	characteristics of a "Breach Eve	ent" on a conta	ainer				
3. [*] l	Describes the	e visual and predictable	characteristics of a "Release Ev	/ent" on a con	tainer				
4. ^{* [}	Describes the	e visual and predictable	characteristics of an "Engulf Ev	ent" on a cont	ainer				
5. * I	Describes the	e visual and predictable	characteristics of an "Impinge E	event" on a co	ntainer				
6. ^{* I}	Describes the	e visual and predictable	characteristics of a "Harm Even	t" on a contai	ner				
* Critical		ure of this step mandates are on the entire objective	Safety is Paramount	Total number must complet		ate	6		

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Skill No.	HMT-2	0 Primary Task:	Radioactive (Container B	reach	
Objective	e(s): 7.2.3	8, 7.2.3.5	NFPA Sta 1072, 201		Candidate No.	
		Perfor	mance Evaluation Sheet			
Tasks:					1st	2nd
1. S	urveys are	a and situation surrounding	g radioactive container breach			
2. *	Uses appr	opriate monitoring equipme	ent to survey area and containe	r		
<u>з.</u> D	etermines	intregrity of container				
4. D	etermines	a breach has occurred				
* Critical Step Failure of this step mandates failure on the entire objective Safety is Paramount Total number must complete		steps candidate to pass	3			

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Predict Likely Behavior of Material at Bulk Liquid Skill No. Primary Task: HMT-21A Facility NFPA Standard: Candidate No. Objective(s): 7.2.4, 7.2.4.1, 7.2.4.2(1-6) 1072, 2017 Edition **Performance Evaluation Sheet** Tasks: 2nd 1st 1. Identifies three resources available that indicates the effects of mixing various materials * Identifies impact of fire and safety features on behavior of products at bulk liquid facility 2. Explain significance of fire protection systems in analysis process 3. Explain significance of monitoring and detection systems in analysis process 4. Explain significance of pressure relief and vacuum relief protection in analysis process 5. Explain significance of product spillage and contol in analysis process 6. Explain significance of tank spacing in analysis process 7. Explain significance of transfer operations in analysis process 8. * Critical Step Total number steps candidate Failure of this step mandates 6 Safety is **Paramount** must complete to pass failure on the entire objective

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Skill N	^{lo.} HMT-	21B	Primary Ta	ask:	Predict Likely		or of Mate acility	erial at Bu	lk Gas	6
Objec	tive(s): 7.2.	4, 7.2.4	4.1, 7.2.4.3(1	-4)		NFPA Sta 1072, 201		Candidate	e No.	
Performance Evaluation Sheet										
Tasks: 1st										2nd
1.	Identifies th	nree re:	sources avail	lable tha	t indicates the effects	of mixing	various mat	erials		
2.	* Identifies	impact	of fire and s	afety fea	tures on behavior of	products a	t bulk gas fa	cility		
3.	Explain sig	nifican	ce of fire prot	tection s	ystems in analysis pro	ocess				
4.	Explain sig	nifican	ce of monitor	ing and	detection systems in	analysis pr	ocess			
5.	5. Explain significance of pressure relief protection in analysis process									
6.	6. Explain significance of transfer operations in analysis process									
* Criti	cal Step		of this step mar on the entire obj		Safety is Paramo	unt	Total numbe must comple	er steps candic ete to pass	date	4
р	0/7/10									

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Hazardous Materials Technician

Skill No.	HN	/IT-22	Primary Task:	Estimatin	g Likely S	ize of Enda	angered A	Area	
Objective		7.2.5, 7.2. 7.2.5.3, 7.2		2.1(1-14), 7.2.5.2.2,	NFPA Sta 1072, 201		Candidate	e No.	
			Perf	ormance Evalua	tion Sheet				
Tasks:								1st	2nd
1. Id	entifie	es resource	es for dispersion pa	attern prediction and	modeling				
2. [*] l	denti	fies steps f	for determining like	ly extent of physical,	safety and h	ealth hazards			
3. De	escrib	oes termino	blogy and exposure	e values and explains	significance	in the analysi	s process		
4. Ide	entifie	es methods	s for predicting area	as of potential harm v	within endang	gered area			
5. Id	entifie	es steps fo	r estimating outcor	nes within endangere	ed area				
6. De	eterm	ines applio	cable public protect	ive response options	and the area	a to protect			
				-					
* Critical	Step		of this step mandates on the entire objective	Safety is Param	nount	Total number must complet		ate	4
Rev. 9	/7/19	2				-			

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Skill No.	HMT-23	Primary Task:	Planning	the Respo	onse		
Objective	e(s): 7.3.1, 7.3	3.1.1, 7.3.1.2	NFPA St 1072, 20	andard: 17 Edition	Candidate	No.	
		Perfor	mance Evaluation Shee	t			
Tasks:						1st	2nd
1. lo	lentifies or dev	elopes the response of	epjective for each problem				
2. *	Describes the	steps for determining re	esponse objective(s)				
3. lo	lentifies possib	le response options by	response objective for each p	roblem			
4. lo	lentifies the po	ssible response option	s to accomplish a given respon	ise objective			
5. N	lakes recomme	endations for the respo	nse objectives and response o	ptions to the I	.C.		
* Critical		re of this step mandates e on the entire objective	Safety is Paramount	Total number must comple	r steps candida te to pass	te	4
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Hazardous Materials Technician

Skill No	Skill No. HMT-24 Primary Task: Selecting Personal Protective Equipment							
Objectiv	ve(s):	7.3.2		NFPA Sta 1072, 201		Candidate	No.	
			Perfor	mance Evaluation Sheet				
Tasks:							1st	2nd
1. I	dentifi	es and de	escribes the four (4) lev	els of PPE as specified by EPA	and NIOSH			
<u> </u>	* Ident ncider		describes PPE options	available based on type(s) of h	arm at HMWN	MD		
		es proces option	ss when considering the	e selection of respiratory protec	tion for a spe	cified		
	Describes terms and explains impact and significance on selection of chemical-protective 4. clothing							
5. I	dentifi	es at leas	st three indications of m	aterial degradation of chemical	-protective clo	othing		
6. '	' Ident	ifies the d	lifferent designs of vapo	pr-protective and splash-protect	tive clothing			
7. [[]	Descri	bes advai	ntages and disadvanta	ges to vapor-protective and spla	ash-protective	e clothing		
8. I	dentifi	es proces	ss for selecting protectiv	ve clothing for HMWMD inciden	its			
			e protective clothing co atibility charts	nstruction materials for a given	action option	using		
10. ^I	dentifi	es the ph	ysiological and psychol	logical stresses that can affect ι	users of PPE			
* Critica	* Critical Step Failure of this step mandates failure on the entire objective Safety is Paramount Total number steps candidate must complete to pass							

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Hazardous Materials Technician

Skill No	HMT-2	5 Primary Task:	Decontaminatio	on Method	Selection		
Objectiv	re(s): 7.3.3	В	NFPA Sta 1072, 201		Candidate	No.	
		Perfor	mance Evaluation Sheet				
Tasks:						1st	2nd
	etermines volved.	best method of decontami	nation based on incident type ar	nd material/r	naterials		
		ites ability to set up and im ntry operations	plement technical decontaminal	tion operatio	ons in		
		ites ability to set up and im and nonambulatory victims	plement technical decontaminal	tion operatio	ons involving		
		ites ability to set up and im and nonambulatory victims	plement mass decontamination	operations i	involving		
* Critica		Failure of this step mandates failure on the entire objective	Safety is Paramount	Total numbe must comple	er steps candid ete to pass	ate	3
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Hazardous Materials Technician

Skill No.	HMT-26	Primary Task:	Developing	a Plan of	Action		
Objective	e(s): 7.3.4		NFPA Sta 1072, 201		Candidate	e No.	
		Perfor	mance Evaluation Sheet				
Tasks:						1st	2nd
		ose of, procedures for, for HMWMD control	equipment required for, and saf	ety precautio	ons used		
2. *	Develops incid	lent action plan includir	ng site safety and control plan				
3. *	Lists and desc	ribes the safety conside	erations based on the incident a	and action pl	an		
4. *	dentifies point	s that should be made	in a safety briefing prior to work	king at the so	cene		
	entifies atmos volving confine		ety hazards associated with HN	/WMD incide	ents		
6. Id	entifies pre-en	try activities to be perfo	ormed				
		dures, equipment, and a WMD incidents	safety precautions for preservin	g and collec	ting legal		
* Critical	Stop		_	Total numbe	er steps candid	ate	_
* Critical		re of this step mandates re on the entire objective	Safety is Paramount	must comple		ait	5

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State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL Hazardous Materials Technician



Skill No.	HMT-27	Primary Task:	Perform Incider	nt Commar	nd Duties		
Objectiv	e(s): 7.4.1,7	7.4.1.1, 7.4.1.2	NFPA Sta 2013 Editi	indard: 472, ion	Candidate	No.	
		Perfor	mance Evaluation Sheet				
Tasks:						1st	2nd
1. Ir	nitiates IMS/I	CS at HMWMD incidents	according to policies and proce	edures of AHJ			
2. *	Demonstrate	es duties of assigned fund	ction at HMWMD incident				
3. lo	lentifies roles	s at HMWMD incident					
4. C	ocuments al	l aspects of IMS/ICS as e	established by policies and proc	edures of AH	J		
5. C	communicate	s observations to hazmat	branch director/group supervis	or			
* Critica		ilure of this step mandates lure on the entire objective	Safety is Paramount	Total number must complet		ite	4
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Hazardous Materials Technician

Skill No.	HMT-28A	Primary Task:	Use Protective Clothin	ng and Res	piratory Pr	otect	ion
Objective	e(s): 7.4.2(1,2)			Standard: 2017 Edition	Candidate	e No.	
		Perfor	mance Evaluation She	et			
Tasks:						1st	2nd
1. D	escribes three s	afety procedures for p	personnel working in chemica	al-protective clo	othing		
2. D	escribes three e	mergency procedures	s for personnel working in ch	emical-protecti	ve clothing		
		bility to don, work in, a tion provided by AHJ	and doff self-contained breat	hing apparatus	or other		
			and doff liquid splash-protect pecialized protective equipme				
* Critical	•	of this step mandates on the entire objective	Safety is Paramount	Total number must comple	er steps candid ete to pass	ate	3

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials/WMD

Technician Level

Skill	No. HN	IT-28B	Primary Ta	mary Task: Donning Level A Chemical Protect			ive Clotl	hing
Obje	ective(s) :	7.4.2,	NFPA Standard:	1072, 201 Edition	7	Candida	ite No.	
		P	erformance	evaluat	ion she	et		
						CLOTHING BEING DONNED AS THE SCBA WHICH WIL		
Tas	k:	F	or people dress	ing entry te	am membe	ers	1 st	2 nd
1	Removes p	personal effects whi	ch might result ir	damage of	the suit			
2	Adjusts ha	rd hat or face piece,	if worn. Remove	es until SCB	A is in place			
3	Don coolin	g equipment, if worr	ı					
4		r sitting, steps into l it up around waist	egs of suit, ensu	res proper p	lacement of	feet within suit, then		
5	* Puts on o	chemical resistant b	oots over feet of	suit				
6	Dons SCB	A. Adjusts facepiece	e. Does not conn	ect breathin	g hose. Ope	ns tank		
7	Performs n	egative and positive	e facepiece seal	tests				
8	Puts on inr	ner gloves or secure	es detachable glo	ves to suit				
9		es of suit over arms ard hat , if applicable		he help of a	ssistant. Ad	justs for comfortable		
10	Raises hoo	od over head carefu	lly. Adjusts for co	mfortable fit	:			
11		all fasteners (leaves ings and waistband.				ljustable leg and		
12	* Connects	breathing hose, op	ens main valve					
13	13 Assistant verifies proper breathing, makes final closure of suit, checks all fasteners							
14	14 Assistant observes to ensure comfort and safety							
* Cri	tical Step	Failure of this step ma failure on the entire of		is PARA	MOUNT	Total number steps can must complete to pass	didate	10

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Hazardous Materials/WMD

Technician Level

Ski	ll No. HN	IT-28C	Prin	nary Tas		vel A Chemical Pro ntry Personnel)	otectiv	e
Ob	jective(s) :	7.4.2	NFPA Sta	ndard:	1072, 2017 Edition	Candida	te No.	
			Perform	ance	evaluation she	eet		
					JIT IS REMOVED, IT HA F AND THAT A SUITABLY			
1	Procedures	if sufficient ai	r supply is ava	ailable to	o allow appropriate d	ecomtamination befo	ore remo	oval:
Тая	sk						1st	2nd
1	Assistant lo	osens and rem	oves safety sh	oes or b	oots (if applicable)			
2	Assistant op	pens suit comp	letely and lifts l	nood ove	er head of wearer			
3		rms, one at a ti tside surface a			up and away from SCB suit out flat	8A, avoiding contact		
4	If possible,	sits down and r	emoves legs fi	om suit				
5	Doffs SCBA	ι.						
6	Removes in	iner gloves by r	olling off hand	, inside c	but			
7	Removes in	ternal clothing	and thoroughly	/ cleanse	es body			
	Proce	dures if low ai	ir alarm has s	ounded	with less than five (5) minutes of air rema	ining:	
1	Removes di	isposable cloth	ing					
2	Quickly scru	ubs and hoses	off, especially	around th	he entrance/exit zipper			
3	Opens zipp	er enough to al	low access to	the regul	lator and breathing hos	se		
4	Immediately	/ attaches appr	opriate air sup	ply to bre	eathing apparatus			
5	Follow Step	s 1 through 7 a	above					
* C	ritical Step	Failure of this s failure on the e		Safety i		Total number steps car must complete to pass	ndidate	6

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials/WMD

Technician Level

Skill	No. HMT-28D	Primary T	ask: Doffi	ng Level "	A" Suit (a	ssistant	:)	
Obje	ective(s): 7.4.2	NF	PA Standard:	1072, 2017 Edition	,	Candidate	es No.	
		Perfo	rmance evaluat	ion sheet				
-							4 . 4	0
Tasl							1 st	2 nd
1	Verbalizes whether assista	ant will touch i	nside (clean) or ou	tside (dirty) p	part of suit			
2	Unzips the suit							
3	Removes suit from left arm	n						
4	Slides out right arm							
5	Pulls suit down below the	waist						
6	Instructs responder to sit							
7	Removes hard hat							
8	Pulls boots off							
9	Pulls suit off from the heel							
10	Instructs responder to doff	SCBA						
* Cri	itical Step Failure of this st failure on the en		Safety is PARA	MOUNT	Total numbe must comple		didate	7

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Hazardous Materials/WMD

Technician Level

Ski	ll No. H	MT-28E	Prin	nary Task:	Donnin	g Lev	el B Clothing		
Obj	ective(s) :	7.4.2	NFPA S	tandard:	1072, 2017 Edition		Candidates No	D.	
			Perform	ance eva	aluation	shee	et		
Tas	sk							1 st	2 nd
1	Dons Leve	l 'B' suit in a man	ner consisten	t with trainin	g and manufa	actiure	r's recommendation		
2	*Dons glov	es properly (2 se	ts)						
3	Dons boots	3							
4	Utilizes tap	e as needed							
5	Dons helm	et							
* C	ritical Step	Failure of this ste failure on the ent		Safety is P	ARAMOUN	IT	Total number steps ca must complete to pass		4

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Hazardous Materials/WMD

Technician Level

Skill	kill No. HMT-28F Primary Task: Doffing Level 'B' Suit after Decontamination							n
Obje	ective(s) :	7.4.2	NFF	A Standard:	1072, 2017 Edition	Candidate	es No.	
			Perform	ance evalu	ation she	et		
Tas	k						1 st	2 nd
1	Minimize cr	oss conta	amination with suit (inside, outside)				
2	Removes h	ard hat o	or helmet					
3	3 * Loosens SCBA harness straps, slides arms out, maintains regulator affixed to facepiece, facepiece remains affixed to face							
4	Removes o	uter glov	es					
5	Removes s	uit/perso	nal protective equip	ment by rolling o	⁻ peeling away	from body		
6	Removes b	oots						
7	Pulls suit av	vay from	heels					
8	Removes fa	icepiece	from face					
9	9 Removes inner gloves							
10 Documents activity log								
* Cr	* Critical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps candid must complete to pass							7

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Hazardous Materials Technician

Skill No. HMT-29A1	Primary Task:	Fusible Me	etal Plug Leak	Containment - Bu	ılk Ves	ssel
Objective(s): 7.4.3, 7.4.3(1)(a) NFPA S	tandard:	1072, 2017 Edition	Candidate No.		
Task					1 st	2 nd
1. *Identifies correct repa	air kit					
2. Selects correct tools/p	arts from repair	kit				
3. Approaches cylinder fr	rom upwind dire	ction				
4. Positions cylinder so the	hat leak is in gas	seous phase,	if possible			
5. *Apply hood for fusibile	e plug, or drive s	uitable drift p	in through fusible	plug		
6. *Assures leak has stop	oped (test for lea	ak by appropr	iate method)			
7. Leaves cylinder so tha	it leak is in gase	ous phase, if	possible			
8. Hood for fusible plug –	- fit yoke with stu	ld over head	of fusible plug			
9. Place gasket against f	ace of fusibile pl	ug				
10. Tighten stud with wre	ench					
11. Test for leaks using a	appropriate meth	od				
12. Inspects and maintai	ns tools/equipme	ent				
13. Completes required o	documentation fo	or product inv	olved/actions take	n		
					L	1
	s step mandates entire objective	Safety is P	ARAMOUNT	Total number steps can must complete to pass	didate	10

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skil	No. HMT-29A2 Primary Task: Fusible Metal of Plug Leak Containme Bulk	nt - No	n-
Obje	ective(s) : 7.4.3, 7.4.3(1)(a) NFPA Standard: 1072, 2017 Candidate No. Edition		
Tas	k	1 st	2 nd
1	* Identifies correct repair kit		
2	Selects correct tools/parts from repair kit		
3	Approaches cylinder from upwind direction		
4	Positions cylinder so that leak is in gaseous phase, if possible		
5	* Saws off plug flush with valve body; files the surface smooth		
6	* Loosens set screw on clamp assembly, places clamp over plug, places gasket between leaking plug and block on clamp		
7	* Places gasket between leaking plug and clamp block		
8	* Tightens screw enough to stop leak without over tightening		
9	* Assures leak has stopped (tests for leak by using appropriate methods)		
10	Leaves cylinder so that leak is in gaseous phase, if possible		
11	Inspects tools/equipment		
13	Completes documentation for product involved/actions taken		
* Cr	itical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps car must complete to pass	ndidate	10

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CONSTITUTION OF

Hazardous Materials Technician

Ski	II No. HMT-29B1 Primary Fusible Plug Threads Leak Containment Task: Vessel	– Bulk	
Ob	jective(s) : 7.4.3, 7.4.3(1)(b) NFPA Standard: 1072, 2017 Candidate No. Edition		
	Performance evaluation sheet		
Та	sk	1 st	2 nd
1	* Identifies correct repair kit		
2	Selects correct tools/parts from repair kit		
3	Approaches cylinder from upwind direction		
4	Positions cylinder so that leak is in gaseous phase, if possible		
5	Assembles wrench and applies to fusible plug		
6	* Tightens fusible plug to stop leak without over tightening		
7	* Assures leak has stopped, tests for leaks by appropriate methods		
8	Inspects tools/equipment		
9	Completes documentation for product involved/actions taken		
	IF TIGHTENING FAILS – OPTION – HOOD FOR FUSIBLE PLUGS		
1	Leaves cylinder so that leak is in gaseous phase, if possible		
2	Cleans around fusible plug		
3	Places molded gasket on hood. Fits yoke with stud over head of plug		
4	Places hood with gasket over yoke and stud, stud extends out top of hood		
5	Places gasket over stud		
6	Screws cap nut on stud and tightens gently		
7	Tests for leaks		
8	If plug should pull out, drives in suitable drift pin		
* C	ritical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps can must complete to pass	ididate	11

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Hazardous Materials Technician

Skill	No. HMT-29B2 Primary Task: Fusible Plug Threads Leak Containmen	it Non-	Bulk
Obje	ctive(s) : 7.4.3, 7.4.3(1)(b) NFPA Standard: 1072, 2017 Candidate No Edition	•	
	Performance evaluation sheet		
Task		1 st	2 nd
1	* Identifies correct repair kit		
2	Selects correct tools/parts from repair kit		
3	Approaches cylinder from upwind		
4	Positions cylinder so that leak is in gaseous phase, if possible		
5	Assembles wrench and applies to fusible plug		
6	* Tightens fusible plug to stop leak without over tightening		
7	* Assures leak has stopped		
8	Leaves cylinder so that leak is in gaseous phase, if possible		
9	Inspects tools/equipment		
10	Completes documentaion for product involved/actions taken		
* Crit	ical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps cannot must complete to pass		7

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State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL Hazardous Materials Technician



Ski	INO. HN	IT-29B3	Primary Task:	Fusible Plu	g Blowout -	- Bulk Ves	sel
Obj	ective(s) :	7.4.3, 7.4.3(1)(b)	NFPA Standard:	1072, 2017 Ed	ition	Candidate N	lo.
		Pe	rformance eva	luation sh	eet		
Tas	sk					1	st 2 nd
1	* Identifies of	correct repair kit					
2	Selects corr	ect tools/parts from rep	oair kit, approaches o	cylinder from upw	ind direction		
3	Positions cy	linder so that leak is in	the gaseous phase,	if possible			
4	* Drives sui	table drift pin into valve	opening				
5	Assures lea	k has stopped (tests fo	r leak by appropriate	e methods)			
6	Inspects too	bls/equipment					
7	Completes	documentation for prod	uct involved/actions	taken			
* C	ritical Step	Failure of this step manda failure on the entire objec		RAMOUNT	Total number must complete	steps candidate to pass	• 5

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill	Skill No. HMT-29C1						Primary Task: Cylinder Sidewall Leak Conta (Horizontal Position) – Bulk V									nt			
Obje	ective(s):	7.4	.3, 7	7.4.3	(1)(c)	Ν	IFPA S	tandard:		1072, Editio	2017 n			Can	didate	e No.		
							Рез	form	lance	eva	aluat	ion	shee	et					
Tas	k																	1 st	2 nd
1	* Ide	ntifie	s coi	rect	repa	air kit													
2	Sele	cts co	orrec	t too	ols/pa	arts fro	om r	epair ki	t										
3	Appr	oach	es c	ylind	er fro	om up	owing	d direct	ion										
4	Posit	ions	cylin	der	so th	at lea	ak is	on the	top										
5	Choo	ks c	ontai	ner	to pr	event	rollir	ng											
6	Slips	one	end	of th	ne ch	ain u	nder	the cyl	inder, pu	ulls th	hrough	enougl	h chai	in to i	reach	leak			
7	Place	es yo	ke s	crev	/ in p	atch	depro	ession											
8	Attac	hes	ends	ofo	hain	to ea	ich s	ide of y	oke kee	ping	chains	as sho	ort as	poss	ible ar	nd stra	aight		
9	Clea	ns ar	ea o	f lea	k, pla	aces (gask	et and	patch ov	ver le	eak								
10	* Tig	ntens	s cap	scr	ew e	nougl	h to s	stop lea	ak withou	ut ov	ertighte	ening							
11	* Ass	ures	leak	has	s stop	oped	(test	s for lea	ak by ap	prop	riate m	ethod)							
12	Leav	es cy	lind	er so	b that	leak	is in	gaseo	us phase	e, if p	possible	•							
13	Inspe	ects t	ools	/equ	ipme	ent													
14	Com	plete	s do	cum	enta	tion fo	or pro	oduct ir	volved/a	actio	ns take	n							
																		L	
* Cr	itical S	tep				is step e entire			Safety	is P	ARAN	IOUN	IT	Tota must	l numb t compl	er step ete to	os cano pass	didate	10

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

۱			nary Task:	Non Bulk Ve	lewall Leak Conta essel		
Object	tive(s): 7.4.3, 7.4.3(1)(c)	NFPA St	andard:	1072, 2017 Edition	Candidate No.		
Task						1 st	2 nd
1	* Identifies correct repair kit						
2	Selects correct tools/parts fr	om repair k	it				
3	Approaches cylinder from up	owind direc	tion				
4	Positions cylinder so that lea	ak is on the	top				
5	Slips one end of the chain u	nder the cy	linder, pulls t	through enough ch	ain to reach leak		
6	Cleans area of leak, places	gasket ove	r leak				
7	Places yoke screw in patch	depression					
8	Attaches ends of chain to ea	ach side of	yoke keeping	g chains as short a	s possible		
9	Insures chain is straight, not	twisted					
10	* Tightens cap screw enoug	h to stop le	ak without ov	ver tightening			
11	* Assures leak has stopped	(test for lea	k by approp	riate methods)			
12	Leaves cylinder so that leak	is in gaseo	ous phase, if	possible			
13	Inspects tools/equipment						
14	Completes documentation for	or product i	nvolved/actio	ons taken			
							•
* Critic	cal Step Failure of this step r failure on the entire		Safety is P	ARAMOUNT	Total number steps can must complete to pass	didate	10

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Hazardous Materials Technician

Skill	No. H	MT-29D1	Prim	ary Task:		out Leak Containme	ent	
Obje	ective(s) :	7.4.3, 7.4.3(1)(d)	NFPA Sta	andard:	Non-Bulk V 1072, 2017 Edition	Candidate No.		
Tas	k						1 st	2 nd
1	* Identifie	s correct repair kit						
2	Selects co	orrect tools/parts fro	m repair kit					
3	Approach	es cylinder from up	wind direction	on				
4	Positions	cylinder so that leak	k is in gased	ous phase,	if possible			
5	* Drives la	arge drift pin into val	lve opening					
6	Removes	outlet cap from ven	it valve on h	nood and op	oens valve			
7	Assemble	es base assembles v	with spacer	and ramp				
8	Rolls cylir	nder upright onto ba	se assembl	у				
9	Cleans sh	noulder of cylinder, p	olaces gask	et on hood,	, places assembly c	over valve		
10	Places yo	ke on hood, attache	es chain to y	/oke, turns	diamond links in ch	ain to the short position		
11	Hand tigh	tens yoke screws e	qually					
12	* Closes v	vent valve on hood						
13	Replaces	outlet cap on vent v	alve and tig	ghtens				
14	* Assures	leak has stopped						
15	Leaves cy	/linder in position so	that leak re	emains in g	aseous phase, if po	ossible		
16	Inspects t	ools/equipment						
17	Complete	s documnetation for	r product inv	volved/actio	ons taken			
* Cri	itical Step	Failure of this step n failure on the entire	nandates objective	Safety is F	PARAMOUNT	Total number steps candic must complete to pass	late	11

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill	No. H	MT-29D2	Primary Task:	Valve B Vessel	Blowout (due to s	stripped threads) – Nor	า-Bu	ılk
Obje	ective(s) :	7.4.3, 7.4.3(1)(d) NFPA	Standard:	1072, 2017 Edition	Candidate No.		
Tas	k						1 st	2 nd
1	* Identifies	correct repair k	it					
2	Selects co	rrect tools/parts	from repair kit					
3	Approache	es cylinder from	upwind direction	ı				
4	Positions of	cylinder so that I	eak is in gaseou	us phase, if po	ossible			
5	* Drives su	iitable drift pin ir	nto valve openin	g (if pin fails-c	option- to attach hood; s	saws pin)		
6	Applies ho	od assembly – r	removes outlet o	cap from vent	on hood and opens val	ve		
7	Assembles	s base assembly	y with spacer an	d ramp and se	ecures			
8	Rolls uprig	ht cylinder onto	base assembly					
9	Cleans she	oulder of cylinde	er, places molde	d gasket on h	ood, and places assem	bly over valve		
10	Adjusts ca	p screws in yok	e so that points	of screw exte	nd only slightly below yo	oke		
11	Places yoł yoke	e on hood with	screws position	ed in dimples,	insure chains are strai	ght, hooks chains over ears of		
12	* Hand tigł	ntens yoke screv	ws equally; uses	s wrench to tig	hten hood			
13	Closes ver	nt valve on hood	I					
14	* Replaces	s outlet cap on v	ent and tightens	3				
15	Assures le	ak has stopped	(tests for leak b	y appropriate	method)			
16	Leaves cy	inder in position	n so that leak rei	mains in gase	ous phase, if possible			
17	Completes	documentation	for product invo	olved/actions t	aken			
* Cri	itical Step		s step mandates e entire objective	Safety is	PARAMOUNT	Total number steps candidate must complete to pass	1	2

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Hazardous Materials Technician

Skill N	Skill No. HMT-29D3 Primary Task: Valve Blowout Leak Containment – Bulk (Due to Stripped Threads)									
Objec	tive(s): 7.4.3, 7.4.3(1)(d) NFPA Standard: 1072, 2017 Candidate Edition	No.								
Task		1 st	2 nd							
1	*Identifies correct repair kit									
2	Selects correct tools/parts from repair kit, approaches cylinder from upwind direction									
3	Positions cylinder so that leak is in the gaseous phase, if possible									
4	* Drives suitable drift pin into valve opening									
	IF DRIFT PIN FAILS – OPTION – HOOD AND BAR ASSEMBLY									
1	Rolls cylinder so that valves are in vertical position relative to each other with leaking valve up									
2	Removes outlet cap from vent valve on hood and opens valve									
3	Loosens adjusting screws and retracts jack screws enough to allow insertion of bar assembly behind chime of container									
4	Cleans area around valve, places molded gasket on hood, places assembly over valve									
5	Adjusts jack screws to ensure that cap screw is over hood and bar fits tightly inside chime									
6	* Tightens cap screw over hood enough to stop leak without overtightening									
7	* Closes vent valve on hood									
8	Replaces outlet cap on vent valve and tightens									
9	* Assures leak has stopped, tests for leaks by appropriate method									
10	Leaves cylinder in position so that leak remains in a gaseous phase, if possible									
11	Inspects tools/equipment									
12	Completes documentation for product involved/actions taken									
* Critical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps can must complete to pass										

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Hazardous Materials Technician

Skill No. HMT-29E1	Primary Task:	Valve GI	and Stem Leak	Containment – E	Bulk Ve	ssel
Objective(s): 7.4.3, 7.4.3	3(1)(e) NFPA S	itandard:	1072, 2017 Edition	Candidate No.		
	Perform	nance eva	aluation she	et		
Task					1 st	2 nd
1. * Identifies correct re	pair kit					
2. Selects correct tools/	/parts from repair	kit, approach	es cylinder from the	e upwind direction		
3. Positions cylinder so	that leak is in gas	seous phase,	if possible			
4. Applies wrench to co	prrect packing nut					
5. * Tightens to stop lea	ak without over tig	hting				
6. * Assures leak has s	topped, tests leak	by appropria	ite methods			
7. Leaves cylinder so th	nat leak is in gaso	us phase, if p	oossible			
	IF TIGHTENING	FAILS – OP	TION – HOOD AS	SEMBLY		
1. Remove outlet cap fr	rom vent valve on	hood and op	en valve			
2. Loosens adjusting so	crews, retract jack	screws and	inserts adjustable b	par assembly		
3. Cleans around leakir	ng valve, places m	nolded gaske	t on hood			
4. Places hood over lea	aking valve and tig	ghtens adjust	able bar assembly			
5. Tightens enough to s	stop leak, closes v	vent valve on	hood			
6. * Assures leak has s	topped, tests leak	by appropra	te methods			
7. Inspects tools/equipr	nent					
8. Completes documen	tation for product	involved/action	ons taken			
	nis step mandates ne entire objective	Safety is P	ARAMOUNT	Total number steps can must complete to pass	ididate	11

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Hazardous Materials Technician

Skill No.	HMT-29E2	Primar	y Task:	Valve Gland St Non – Bulk Ves	tem Packing Leak ssel	Contain	ment
Objective(s): 7.4.3, 7.4.3(1)(e)	NFPA Sta	andard:	1072, 2017 Edition	Candidate No).	
Task						1 st	2 nd
1. * lde	ntifies correct repair kit						
2. Sele	cts correct tools/parts from	n repair kit and	d approaches	cylinder from upwin	d direction		
3. Posi	tions cylinder so the leak is	s in gaseous	phase, if poss	sible			
4. * Ap	plies wrench to correct pac	cking nut and	tightens to st	op leak without over	tightening		
5. * As	sures leak has stopped, te	ests for leak by	/ appropriate	method			
6. Leav	ves cylinder so that leak is	in gaseous pl	hase, if possil	ble			
	IF TI	IGHTENING	FAILS – A	PPLY HOOD ASS	EMBLY		
1. Rem	oves outlet cap from vent	valve on hood	d and opens v	valve			
2. Asse	embles base assembly with	h spacer and	ramp and sec	cures			
3. Rolls	s upright cylinder onto base	e assembly					
4. Clea	ns shoulder of cylinder. Pl	aces molded	gasket on ho	od and places assen	nbly over valve		
5. Adju	sts cap screws in yoke so	that points of	screw extend	ds only slightly below	v yoke		
	es yoke on hood with scre of yoke	ws positioned	l in dimple, in	sures chains are stra	aight, hook chains over		
7. Han	d tightens yoke screws equ	ually and uses	s wrench to tig	ghten hood			
8. * Clo	oses vent on hood						
9. Rep	aces outlet cap on vent va	alve and tighte	ens				
10. * A	ssures leak has stopped, t	ests for leak l	oy appropriate	e method			
11. Lea	aves cylinder in position so	that leak rem	nains in gas p	hase, if possible			
12. Ins	pects tools/equipment						
13. Co	mpletes documentation for	r products invo	olved/actions	taken			
* Critical S	tep Failure of this step failure on the entire		Safety is P	ARAMOUNT	Total number steps ca must complete to pass		12

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Hazardous Materials Technician

Skill No.	HM	T-29E3	Primary Task:		alve Stem P essel	acking/Gland	Leak Containment	– Bulk	
Objective(s):	7.4.3, 7.4.3	(1)(e)	NFPA	A Standard:	1072, 2017 Edition	Candidate	No.	
Task								1 st	2 nd
1. * Id	enifie	s correct rep	oair kit						
2. Sel	ects c	orrect tools/	parts from r	epair ki	it, approaches	s cylinder from th	e upwind direction		
3. Pos	itions	cylinder so	that leak is	in gase	eous phase, if	possible			
4. En:	sures	valve stem	is closed						
5. App	olies w	rench to tig	hten packing	g nut					
6. * Ti	ghten	s to stop lea	k without ov	/er tigh	ting				
7. * As	ssures	s leak has st	opped, test	s leak k	oy appropriate	e methods			
8. Lea	ves c	ylinder so th	at leak is in	gasou	s phase, if po	ssible			
			IF TIGHTE	NING F	AILS – OPTI	ON – HOOD AS	SEMBLY		
1. Rer	nove	outlet cap fr	om vent val	ve on h	lood and ope	ns valve			
2. Loo	sens	adjusting so	rews, retrac	ts jack	screws and i	nserts adjustable	e bar assembly		
3. Cle	ans a	round leakir	ıg valve, pla	ces mo	olded gasket o	on hood			
4. Pla	ces ho	ood over lea	king valve a	and tigh	itens adjustat	le bar assembly			
5. Tigl	ntens	enough to s	top leak, clo	oses ve	nt valve on h	bod			
6. * As	ssures	s leak has st	opped, test	s leak b	oy approprate	methods			
7. Insp	pects	tools/equipr	nent						
8. cop	letes	documentat	ion for prod	uct invo	olved/actions	taken			
* Critical S	tep		nis step manda ne entire object		Safety is PA	RAMOUNT	Total number steps ca must complete to pass		12

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Hazardous Materials Technician

Skill No.	HMT-29F1	Primary Task:	Valve Inl	et Thread Leal	c Containment - B	ulk Ve	ssel
Objective(s): 7.4.3, 7.4.3	(1)(f) NFPA S	tandard:	1072, 2017 Edition	Candidate No.		
		Perform	ance eva	luation she	et		
Task						1 st	2 nd
1. * Id	entifies correct rep	oair kit					
2. Sel	ects correct tools/	parts from repair	kit, approach	es cylinder from th	e upwind direction		
3. Pos	sitions cylinder so	that is in gaseou	s phase, if po	ssible			
4. * A	oplies wrench to v	alve body					
5. * Ti	ghtens valve slow	ly into cylinder w	thout over tig	hting			
6. * A	ssures leak has st	opped, test leak l	oy appropriate	e methods			
7. Lea	ives cylinder so th	at leak is in gaso	us phase, if p	oossible			
		IF TIGHTENING	FAILS – OP	TION - HOOD AS	SEMBLY		
1. Rei	moves outlet cap f	rom vent valve o	n hood and o	pens valve			
2. Loc	sens adjusting sc	rews, retracts jac	k screws and	inserts adjustable	bar assembly		
3. Cle	ans around leakin	g valve, places n	olded gasket	t on hood			
4. Pla	ces hood over lea	king valve and tig	htens adjusta	able bar assembly			
5. Tig	htens enough to s	top leak, closes v	ent valve on	hood			
6. * A	ssures leak has st	opped, tests leak	by appropra	te methods			
7. Ins	pects tools/equipm	nent					
8. Co	mpletes document	ation for product	involved/actio	ons taken			
* Critical S	tep Failure of th failure on th	is step mandates e entire objective	Safety is P	ARAMOUNT	Total number steps can must complete to pass	didate	11

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COMMISSION ON FIRE PREVENTION AND CONTROL

Hazardous Materials Technician

Skill No.	HMT-29F2	Primary Task:	Valve Inlet	Thread Leak Cor	ntainment Non – Bu	ilk Vess	sel	
Objective(s): 7.4.3, 7.4.	.3(1)(f) NFP	A Standard:	1072, 2017 Edition	Candidate No.			
		Perfo	ormance ev	aluation she	et			
Task						1 st	2 nd	
1. * Ider	tifies correct repair	kit						
2. Selec	ts correct tools/part	ts from repair kit						
3. Appro	baches cylinder fron	n upwind direction						
4. Posit	ons cylinder so that	t leak is in gaseous	phase, if possible					
5. * App	lies wrench to valve	e body, tightens val	ve slowly into cylind	er without over tightenin	g			
6. * Assures leak has stopped (tests for leak by appropriate methods)								
7. * Lea	ves cylinder so that	leak is in gasous p	hase, if possible					
IF TIGHTENING FAILS – OPTION - APPLY HOOD ASSEMBLY								
1. Remo	oves outlet cap from	n vent on hood and	opens valve					
2. Asse	mbles base assemb	bly with spacer and	ramp and secures					
3. Rolls	cylinder upright ont	o base assembly						
4. Clear	is shoulder of cylind	der, places gasket c	n hood and places	assembly over valve, ad	just cap screw in yoke			
5. Place yoke	s yoke on hood with	h screws positioned	l in dimples,insures	chains are straight, hool	ks chains over ears of			
6. Hand	tightens yoke screv	ws equally, uses wr	ench to tighten hoo	d				
7. * Clos	ses vent valve on ho	bod						
8. Repla	ices outlet cap on v	ent valve and tighte	ens					
9. * Ass	ures leak has stopp	ed (tests for leak by	y appropriate metho	ods)				
10. Lea	ves cylinder in posit	ion so that leak rem	nains in a gaseous p	ohase, if possible				
11. Insp	ects tools/equipmer	nt						
12 Com	pletes documentatio	on for product invol	ved/actions taken					
* Critical S		this step mandates the entire objective		ARAMOUNT	Total number steps car must complete to pass	didate	12	

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill No.	HMT-29G1	Primary Ta	•	/alve Seat Leal Valve Will Not			sel	
Objective(s): 7.4.3, 7.4.3((1)(g) NFPA	Standard:	1072, 2017 Edition	Can	didate No.		
		Perfor	rmance e	evaluation s	heet			
Task						1 st	2 nd	
1. Appr	paches cylinder from th	he upwind directior	ı					
2. Posit	ions cylinder so that lea	ak is in the gaseou	is phase, if po	ssible				
3. Disco	onnects from a process	s, reconnect						
4. *Gen	tly opens and closes th	he valve to clear th	e seat					
5. Disco	onnects and applies ou	itlet cap and gaske	t					
6. *Ass	6. *Assures that leak has stopped, tests by appropriate methods							
7. Leav	es cylinder in a positior	n so that leak rema	iins in a gasou	us phase, if possible				
		IF TIGHTEI	NING FAILS -	OPTION - HOOD ASS	SEMBLY			
1. Rem	oves outlet cap from ve	ent valve on hood a	and opens val	ve				
2. Loos	ens adjusting screws, r	retracts jack screw	s and inserts a	adjustable bar assembly	/			
3. Clea	ns around leaking valve	e, places molded g	asket on hood	1				
4. Place	es hood over leaking va	alve and tightens a	djustable bar a	assembly				
5. Tight	ens enough to stop lea	ak, closes vent valv	e on hood					
6. Assu	res leak has stopped, t	tests leak by appro	prate methods	5				
7. Inspe	ects tools/equipment							
8. Com	pletes documentation f	for product involved	d/actions taker	n				
9. Inspe	ects tools/equipment							
10. Cor	npletes documentation	for product involve	ed/actions take	en				
* Critical S	failure on the	is step mandates e entire objective	Safety is	s PARAMOUNT	Total numb must compl	er steps candidate ete to pass	12	

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Hazardous Materials Technician

Skill No. HMT-29G2 Primary Task: Valve Seat Leak Containment –Non Bul (valve will not completely close)								
Objective(s): 7.4.3, 7.4.3(1)(g)	NFPA St	andard:	1072, 2017 Edition	Candidate No.			
		Perform	ance eva	aluation she	et			
Task						1 st	2 nd	
1. Appr	paches cylinder from the upwi	ind direction						
2. Posit	ions cylinder so that the leak i	is in the gaseo	us phase, if pos	sible				
3. If dis	connected from the process, r	reconnects						
4. *Gen	4. *Gently opens and closes the valve to clear the seat							
5. Disco	onnects and applies outlet cap	and gasket						
6. *Ass	ures that the leak has stopped	l (tests for leak	by appropriate	method)				
7. Leav	es cylinder in a position so tha	at leak remains	in gaseous pha	ase, if possible				
	IF CAP AND	GASKET FAIL	- OPTION - A	PPLY HOOD ASSEME	BLY			
1. Rem	oves outlet cap from vent valv	e on hood and	opens valve					
2. Asse	mbles base assembly with sp	acer and ramp	and secures					
3. Rolls	cylinder upright onto base as	sembly						
4. Clear	ns shoulder of cylinder, places	s molded gaske	et on hood, plac	es assembly over valve	e, adjust screws in yoke			
5. Place	es yoke on hood with screws p	positioned in di	mple, insures cl	hains are straight, hook	s chains over ears of yoke			
6. Hand	tightens yoke screws equally	, uses wrench	to tighten hood					
7. Close	es vent valve on hood							
8. Repla	aces outlet cap on vent valve	and tightens						
9. *Ass	ures leak has stopped (tests fo	or leak by appr	opriate method)				
10. Lea	ves cylinder in position so tha	t leak remains	in the gaseous	phase, if possible				
11. Insp	ects tools/equipment							
12. Cor	npletes documentation for pro	duct involved/a	actions taken					
* Critical S	tep Failure of this step failure on the entire		Safety is P	ARAMOUNT	Total number steps can must complete to pass	didate	14	

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill No.	HMT-29H1	Prin	nary Task:		Assembly Blowo nt - Bulk Vessel	ut Leal	K	
Objective(s): 7.4.3, 7.4.3(1)(h)	NFPA S	tandard:	1072, 2017 Edition	Candidate No.			
	:	Perform	ance eva	aluation she	et			
Task						1 st	2 nd	
1. * Id	entifies correct repair kit							
2. Sel	ects correct tools/parts fi	rom repair l	kit, approach	nes cylinder from up	owind direction			
3. Pos	itions cylinder so that le	ak is in the	gaseous ph	ase, if possible				
4. * D	4. * Drives suitable drift pin into valve opening							
IF DRIFT PIN FAILS – OPTION – HOOD AND BAR ASSEMBLY								
1. Removes outlet cap from vent valve on hood and opens valve								
Loosens adjusting screws and retracts jack screws enough to allow insertion of bar assembly behind chime of container								
3. Cle	ans area around valve, p	places molo	led gasket o	n hood, places ass	embly over valve			
4. Adj	usts jack screws to ensu	re that cap	screw is ove	er hood and bar fits	tightly inside chime			
5. * Ti	ghtens cap screw over h	lood enoug	h to stop lea	k without over tight	ening			
6. * C	oses vent valve on hood	ł						
7. Rep	places outlet cap on vent	t valve and	tightens					
8. * As	sures leak has stopped	, tests leak	s by appropr	iate method				
9. Lea	ves cylinder in position	so that leak	remains in	a gaseous phase, i	f possible			
10. Inspects tools/equipment								
11. Co	11. Completes documentation for product involved/actions taken							
* Critical S	tep Failure of this step r failure on the entire		Safety is P	ARAMOUNT	Total number steps can must complete to pass	didate	9	

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Hazardous Materials Technician

Skill No. HMT-29H2	Prin	nary Task:		Assembly Blowo nt, Non-Bulk Vess				
Objective(s): 7.4.3, 7.4.3	8(1)(h) NFP	A Standard:	1072, 2017 Edition	Candidate	No.			
	Perform	ance eval	luation she	et				
Task					1 st	2 nd		
1. * Identifies correct rep	air kit							
2. Selects correct tools/parts from repair kit								
3. Approaches cylinder f	3. Approaches cylinder from upwind direction							
4. Positions cylinder so that leak is in gaseous phase, if possible								
5. * Drives small drift pin into the valve body								
6. Moves cylinder to isola	ated area							
7. Leaves cylinder so that	at leak is in gasous	s phase, if pos	sible					
8. Inspects tools/equipm	ent							
9. Completes documenta	ation for product in	volved/actions	taken					
	his step mandates he entire objective	Safety is PA	RAMOUNT	Total number steps car must complete to pass	ndidate	7		

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Hazardous Materials Technician

Skill No.	HMT-29H3	Primary Task	: Valve	Broken Off/Lea	k Containment –	Bulk V	essel
Objective(s)	: 7.4.3, 7.4.3(1)(h) NFPA S	tandard:	1072, 2017 Edition	Candidate No.		
		Perform	nance ev	valuation she	et		
Task						1 st	2 nd
1. * Identi	fies correct repair kit						
2. Selects	s correct tools/parts fr	om repair kit					
3. Approa	ches cylinder from up	owind direction					
4. Positio	ns cylinder so that lea	ak is in gaseous pha	se, if possible				
5. * Drive	s suitable drift pin into	o the valve body					
6. * Assur	es leak has stopped	(tests for leaks by ap	oproprate meth	nods)			
	IF DF	RIFT PIN FAILS – O	PTION – HOO	D AND BAR ASSEMBL	Y		
1. Rolls c	ylinder so that valves	are in vertical position	on relative to e	ach other with leaking va	lve up, if applicable		
2. Remov	es outlet cap from ve	nt valve on hood an	d opens valve				
3. Looser contai		nd retracts jack scre	ws enough to a	allow insertion of bar asse	embly behind chime of		
4. Cleans	area around valve, p	laces molded gaske	t on hood, plac	ces assembly over valve			
5. Adjusts	s jack screws to ensu	re that cap screw is	over hood and	bar fits tightly inside chin	ne		
6. * Tighte	ens cap screw over h	ood enough to stop	leak without ov	ver tightening			
7. * Close	es vent valve on hood						
8. Replac	es outlet cap on vent	valve and tightens					
9. * Assur	es leak has stopped						
10. Leave	es cylinder in position	so that leak remains	s in gaseous pł	nase, if possible			
11. Inspe	cts tools/equipment						
12. Comp	letes documentation	for product involved,	actions taken				
* Critical Ste		s step mandates e entire objective	Safety is	PARAMOUNT	Total number steps car must complete to pass	didate	11

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill No. HMT-29H4	Prin	nary Task:		Blowout or Broken ht – Non-Bulk Vesse		.eak		
Objective(s) : 7.4.3, 6.4	.3(1)(h) NFP	A Standard:	1072, 2017 Edition	Candidate No.				
	Perform	ance eval	uation she	et				
Task					1 st	2 nd		
1. *Identifies correct repair	kit							
2. Selects correct tools/par	ts from repair kit							
3. Approaches cylinder from	m upwind direction							
4. Positions cylinder so that leak is in gaseous phase, if possible								
5.*Drives suitable drift pin into valve opening (if pin fails–option–to attach hood; saws pin)								
6. Applies hood assembly – removes outlet cap from vent on hood and opens valve								
7. Assembles base asseml	bly with spacer and ramp	and secures						
8. Rolls cylinder upright on	to base assembly							
9. Cleans shoulder of cyline	der, places molded gask	et on hood, and pl	aces assembly over v	valve				
10. Adjusts cap screws in y	oke so that points of scr	ew extend only sli	ghtly below yoke					
11. Places yoke on hood w	vith screws positioned in o	dimples, insure ch	ains are sraight, hool	c chains over ears of yoke				
12. Hand tightens yoke scr	ews equally, and uses w	rench to tighten h	lood					
13. *Closes vent valve on h	nood							
14. Replaces outlet cap on	vent and tightens							
15. *Assures leak has stop	ped (tests for leak by ap	propriate method)						
16. Leaves cylinder in posi	tion so that leak remains	in gaseous phase	e, if possible					
17. Inspects tools/equipment								
18 Completes documentation for product involved/actions taken								
	f this step mandates the entire objective	Safety is PA	RAMOUNT	Total number steps candida must complete to pass	ate	13		

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Hazardous Materials Technician

Skill	No. HMT-30A Primary Task: Close Open Valves on a Pressure Con	tainer					
Obje	ective(s) : 7.4.3, 7.4.3(2)(a) NFPA Standard: 1072, Candida 2017 Edition	ite No.					
	Performance evaluation sheet						
Tasl	x	1 st	2 nd				
1	* Identifies correct repair kit						
2	Selects correct tools/parts from repair kit						
3	Approaches container from upwind direction						
4	Positions cylinder so that leak is in a gas phase, if possible						
5	* Closes valve with appropriate tool(s)						
6	* Assures leak has stopped (test for leak by appropriate method)						
7	Leaves container in position so that leak remains in gas phase, if possible						
8	Decontaminates tools and equipment						
9	Inspects tools and equipment						
10	Documents product control operations						
* Cri	tical Step Failure of this step mandates failure on the entire objective Safety is PARAMOUNT Total number steps ca must complete to pass		7				

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Hazardous Materials Technician

Skill No. HMT-30B Primary Task: Replace Missing Plugs on a	Pressure Containe	er				
Objective(s) : 7.4.3, 7.4.3(2)(b) NFPA Standard: 1072, 2017 Edition	Candidate No.					
Performance evaluation sheet						
Task:	1 st	2 nd				
1. *Identifies correct repair kit						
2. Selects correct tools/parts from repair kit						
3. Positions container so the leak is in gasous phase, if possible						
4. Close plug opening with appropriate plug or drive suitable drift pin into opening.						
5. * Assures leak has stopped (test for leak by appropriate method)						
6. Leaves container in position so that leak remains in gas phase						
7. Decontaminates tools and equipment						
8. Inspects tools and equipment						
9. Documents product control operations						
	number steps candidate complete to pass	7				

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Hazardous Materials Technician

Skill	No. HMT-30C	Primary Tas	sk: Tight	en Loose	Plugs on a Pr	essure Cont	ainer
Obje	ective(s) : 7.4.3, 7.4.3(2)(c) NFPA	A Standard:	1072, 2017 Edition		Candidate No.	
		Performa	ance eval	uation s	sheet		
Tasl	k :					1 st	2 nd
1	* Identifies correct repair kit	:					
2	Selects correct tools/parts f	rom repair kit					
3	Approaches container from	upwind direct	tion				
4	Positions container so the leak is in gasous phase, if possible						
5	Assembles wrench and app	olies to contair	ner plug				
6	* Tightens fusible plug to st	op leak withou	ut over tighten	ing			
7	* Assures leak has stopped	(test for leak	by appropriate	e method)			
8	Leaves container in position	n so that leak	remains in ga	s phase			
9.	Decontaminates tools and equ	ipment					
10.	Inspects tools and equipment						
11.	Documents product control op	erations					
* Cri	tical Step Failure of this ste failure on the enti		Safety is PAI	RAMOUNT	Total number must complet	steps candidate te to pass	8

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COMMISSION ON FIRE PREVENTION AND CONTROL



Hazardous Materials Technician

Skill No. HMT-31	Primary Task:	-	hime/Nail/Forklif ment – 55 Gallor		.eak	
Objective(s): 7.4.3, 7.4.3 (3)(a-d)	NFPA S	itandard:	1072, 2017 Edition	Candidate No		
Per	formanc	e evalu	ation sheet			
Task					1 st	2 nd
1. *Selects and uses proper PPE						
2.* Selects appropriate plug/patch compatibility, etc	materials an	nd tools to c	ontrol leak based on	size,		
3. Approaches container from the u	uphill/upwinc	d side, if pos	ssible			
4. Avoids stepping in or exposing s	elf to produc	ct(s), if pose	sible			
5. Positions drum to temporarily sto	op leak, if po	ossible				
6. Applies selected plug/patch to st	top the leak	without incr	easing problem			
7. Overpacks drum, if necessary						
8. Marks and labels overpack conta	ainer					
* Critical Step Failure of this step manda failure on the entire object		^{ty is} RAMOUN		steps candidate ass	must	4

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Hazardous Materials Technician

Skill No. HN	/IT-32 F	Primary Task:	k: Slide-in Over-pack – 55 Gallon Drum				
Objective(s) :	7.4.3, 7.4.3(3)(a)(l	o) NFPA Stand	dard: 1072, 2 Edition		Candidate No.		
		Performanc	e evaluatio	n shee	t		
Task						1 st	2 nd
1. * Selects	appropriate over-p	oack drum					
2. Approac	nes problem contai	ner from the uph	ill/upwind side, if	possible			
3. Remove	s the lid from the o	ver-pack drum					
4. * Position	ns over-pack drum	at bottom of pro	blem container at	a 45 degi	ree angle		
5. Slides pr	oblem container int	o the over-pack	drum				
6. Stands o	ver-pack drum upri	ght					
7. * Installs	over-pack drum's d	cover and tighter	าร				
8. Deconta	minates/inspects/m	aintains tools					
9. Complete	es documentation o	of product contro	l activities				
10. * Comp	letes the evolution	as directed by th	ne examiner				
* Critical Step	Failure of this step r failure on the entire		afety is PARAM	DUNT	Total number steps car must complete to pass	ndidate	6

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Hazardous Materials Technician

Skill No. HMT-33 Primary Task: Slip-over Over-pack – 55 Gallon Drum							um
Objective(s) :	7.4.3, 7.4.3(3)(b)	NFPA S	tandard:	472	Candidates No).	
	I	Perform	ance ev	aluation she	et		
Task						1 st	2 nd
1. * Selec	ots appropriate over-p	ack drum					
2. Approaches problem container from the uphill/upwind side, if possible							
3. Remov	ves the lid from the ov	er-pack dr	um				
4. * Posit	ions over-pack drum (over proble	em containe	r			
5. Stands	over-pack drum upri	ght with pr	oblem conta	iner enclosed			
6. * Insta	ls over-pack drum co	ver and tig	htens				
7. Decon	taminates, inspects, r	naintains t	ools and equ	uipment			
8. Compl	etes documentation o	f product o	control activi	ties			
9. * Com	pletes the evolution a	s directed	by the exam	iner			
* Critical Step	Failure of this step n failure on the entire	nandates objective	Safety is P	ARAMOUNT	Total number steps car must complete to pass	ndidate	5

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Hazardous Materials Technician

Skill No. HMT-34 Primary Task: Liqui	d Product 1	ransfer			
Objective(s): 7.4.3, 7.4.3(4) NFPA Sta	indard:	1072, 2017 Edition	Candida	ite No.	
Performa	nce evaluati	on sheet			
Task:				1 st	2 nd
1. * Wears appropriate Personal Protecting Eq	uipment consi	stent with tra	aining and	1.51	
manufacturer's recommendation. 2. Identifies compatible recovery container and	l transfer equir	oment			
3. Monitors for hazards.		Smortt.			
4. Properly bonds and grounds containers.		_			
5. Transfers liquid from leaking container into r	ecovery conta	iner.			
6. Suppresses vapors.					
7. Decontaminates, inspects, and maintains to	ols and equipr	nent.			
8. Completes documentation for product control	ol operations				
* Critical Step Failure of this step mandates failure on the entire objective Safe	ty is PARAN	IOUNT	Total number steps ca must complete to pass	ndidate	6

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Hazardous Materials Technician

Skill No. HMT-35 Primary Task:	Mass Deconta	mination			
Objective(s): 7.4.4.1, 7.4.4.1(B)	IFPA Standard:	472, 2013 Edition	Candidat	e No.	
Pe	rformance evalu	ation sheet			
Task:				1 st	2 nd
1. *Demonstrates ability to set up and	operate mass deco	ntamination eq	uipment		
2. Demonstrates crowd management	techniques				
3. Determines effectivness of mass de	econtamniation oper	ations.			
4. Documents mass deconamination	activities per AHJ po	olicies			
* Critical Step Failure of this step mandates failure on the entire objective	Safety is PAR	AMOUNT	Total number steps car must complete to pass	ndidate	3

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State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL Hazardous Materials Technician



Skill No. HMT	Г-36 Primary Task: (Grounding Pro	cedures -	Product Transfe	r Opera	tion
Objective(s): 7.	4.4.2, 7.4.4.2(B) NFF	PA Standard:	1072, 2017 Edition	Candida	ate No.	
	Perfo	ormance evaluat	tion sheet			
Task:					1 st	2 nd
1. Selects tec	chnical decontamination pro	cedure to minimize	hazard			
2. *Sets up a	nd implements technical de	contamination oper	ations			
3. Evaluates	effectiveness of technical d	econtamination pro	cess			
4. Completes	required documentation of	technical decontar	nination oper	ations		
* Critical Step	Failure of this step mandates failure on the entire objective	Safety is PARA	MOUNT	Total number steps ca must complete to pas		3

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Hazardous Materials Technician

Skill	No.	HMT-	37	Primary ⁻	Task: E	Evaluatir	ng and I	Reporting	g Progres	S		
Obje	ective(s): 7.5.	1, 7.5.	1(B)	NFF	A Standa	rd:	1072, 2017 Edition	7	Candidate	e No.	
					Perfo	rmance	evaluati	on sheet				
Tas	k:										1 st	2 nd
1.	Identi	fies incid	lent ac	tion plan	objectives	for contro	lling funct	tions at the i	incident			
2.	Identi	fies incid	lent ac	tion plan	objectives	for decon	taminatio	n procedure	s at the inci	dent		
3.	* Eva plan	uates th	e effec	ctiveness	of any cor	trolling fur	nctions ide	entified in th	e incident a	ction		
4.			e effec	tiveness c	of any dec	ontaminati	on proced	dures identif	fied in the in	cident		
5.	Reco	nmends	impro	vements	or change	s to produ	ct controll	ing function	s as needeo	ł		
6.	Recommends improvements or changes to decontamination procedure as needed											
* Cri	itical St	ep F fa		f this step m the entire c		Safety is	PARAN	IOUNT	Total numb must compl	er steps can lete to pass	didate	4

10/14 (SS Rev 1/10/14)

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State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL **Hazardous Materials Technician**



Skill N	lo. HMA-	-38A	Primary Task:	ŀ	Assisting in	n the Debr	iefing		
Objec	tive(s): 7.6.	.1(B)			NFPA Sta 1072, 201		Candidate	No.	
			Perfor	mance Evalua	tion Sheet				
Tasks	5:							1st	2nd
1.	Describes t	three co	omponents of an effe	ctive debriefing					
2.	* Describes	s key to	pics of an effective d	ebriefing					
3.	Describes	when d	ebriefing should take	place					
4.	Describes	who she	ould be involved in de	ebriefing					
* Criti	cal Step	Failure failure c	of this step mandates on the entire objective	Safety is Paran	nount	Total numbe must comple	r steps candida te to pass	ate	3
Dar	7 9/10/18								

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State of Connecticut COMMISSION ON FIRE PREVENTION AND CONTROL Hazardous Materials Technician



Skill No. HMT	-38B Primary Task:	Assisting in th	e Incident	Critique				
Objective(s): 7.6	5.1(B)	NFPA Sta 1072, 201		Candidate No				
	Perfo	rmance Evaluation Sheet						
Tasks:				15	st 2nd			
1. Describes	three components of an eff	ective critique						
2. * Describe	es key topics of an effective	critique						
3. Describes	3. Describes why an effective critique is necessary after a HMWMD incident							
4. Describes	which written documents sh	nould be prepared as a result of t	he critique					
* Critical Step	Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number must complet	steps candidate e to pass	3			

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Hazardous Materials Technician

Skill N	o. HMT-38C	Primary Task:	Reporting and Doc	cumenting	the Incid	ent		
Objec	tive(s): 7.6.1B			NFPA Standard: Candidate N 1072, 2017 Edition				
		Perfor	mance Evaluation Sheet					
Tasks	:					1st	2nd	
1.	Identifies reports a SOP	and supporting docun	nentation required by emergend	cy response p	olan or			
2.	* Demonstrates co	ompletion of reports r	equired by emergency response	e plan or SOI	P			
3.	Describes importa	ince of personnel exp	oosure records					
4.	Describes importa	ince of debriefing rec	ords					
5.	Describes importance of critique records							
6.	Identifies steps in	keeping an activity lo	g and exposure records					
7.	Identifies steps to organizational req		g incident reports for federal, sta	ate, local and				
8.	Identifies requirem	nent for compiling hot	zone entry and exit logs					
9.	Identifies requirem	nents for compiling pe	ersonal protective equipment log	gs				
10.	* Identifies require	ements for filing docu	ments and maintaining records					
* Critio	-	of this step mandates on the entire objective	Safety is Paramount	Total number must comple	r steps candid te to pass	ate	7	

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Hazardous Materials Technician

Skill N	^{lo.} HMT-	39 Primary Task:	Grounding/Bonding Pro Op	ocedures - eration	- Product	Trans	sfer
Objec	tive(s): 7.4.	.3.4, 7.4.3.4(B)	NFPA Sta 1072, 201		Candidate	e No.	
		Perfo	ormance Evaluation Sheet	:			
Tasks	:					1st	2nd
1.	*Wears ap	propraite PPE consistent v	vith training and manufacturer's re	ecommendat	tion		
2.	*Checks co and clamps		e clean direct metal-to-metal con	tact between	container		
3.	Connects o	grounding cable from dama	aged container to grounding rod				
4.	Bonds dan	naged container to a sound	l empty container				
5.	Grounds so	ound empty container to gr	ounding rod(s)				
6.	 Monitors all bonding and grounding cable connections to ensure all connections sta secured during product transfer 						
* Critio	cal Step	Failure of this step mandates failure on the entire objective	Safety is Paramount	Total number must comple	er steps candid ete to pass	late	4
Rev	. 9/7/18						

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Skill No	D. HMT-	40 Primary Task	Dome Cover	Clamp Installatio	n – Cargo	Tank	
Objecti	ve(s): 7.4	3, 7.4.3(B)		NFPA Standard: 1072, 2017 Edition	Candidate	No.	
		Pe	erformance Evaluation	on Sheet			
Tasks:						1st	2nd
1.	*Wears ap	propraite PPE consiste	nt with training and manuf	acturer's recommenda	tion		
		cargo tank by first attac rounding source	hing ground wire clamp to	cargo tank the other g	round wire		
3.	Loosens cl	amp wing nut prior to	approaching cargo tank				
4.	Approache	s cargo tank from upwi	ind/uphill direction avoiding	g contact with product	if possible		
5.	Applies cla	mp over dome cover a	nd adjusts clamp wing nut	S			
6.	Tightens a	djusting screws of the o	clamp wingnuts				
		ain clamp screw until l er tightening	eak has stopped or been r	educed as much as po	ossible		
* Critica	al Step	Failure of this step mandat failure on the entire objecti		unt Total number must complete	er steps candida ete to pass	ate	5
Rev.	9/7/18						

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