Colorado Division of Fire Prevention & Control Hazardous Materials Awareness JPR's (NFPA 472 2013 Edition)			
JPR Number	Task	Initial Certification JPR Requirement: No JPR's at this time Renewal JPR Requirement: 100% of All JPRs (including all subsections)	
1	Hazard Class and Divisions	Mandatory	
2	ERG Exercise	Mandatory	
3	Written Documantation	Random	
4	NFPA 704	Random	
5	Criminal / Terrorism / WMD	Random	

Colorado Division of Fire Prevention & Control Hazardous Materials Operations JPR's (NFPA 472 2013 Edition)			
JPR Number	Task	Initial Certification JPR Requirement: 2 Mandatory 3 Random Renewal JPR Requirement: 100% of All JPRs (including all subsections)	
1	Emergency Decontamination	Mandatory	
2	SDS	Mandatory	
3	Scenario - Fire (Worksheet Attached)	Random	
4	Scenario - Spill (Worksheet Attached)	Random	
5	Pesticide Label (Worksheet Attached)	Random	
6	Donning PPE	Random	
7	Foam	Random	
8	Defensive Control Actions	Random	



Candidate:

STANDARD: NFPA 472, 2013 Edition		472,		
Section(6.2.4.1	(s): 5.1.2.2 (3)); 5.4.1 (4); 5.4.2;	Task: Demonstrate the ability to perform emergency decontamination	
Implem	enting the Pl	anned Response		
PERFO	RMANCE	The candidate will emergency decont	as a member of a team successfully demonstrate the ability to perform amination.	
OUTCOME:		Safety: A safety v the safety violation	violation is grounds for automatic failure. All proctors present shall on.	review
EQUIP hoses, an	MENT REQ nd product na	UIRED: Personal p	protective equipment, self-contained breathing apparatus (SCBA), water	supply,
CONDITIONS: Whenever possible, integrate the evaluation of this JPR within a consolidated hazardous materials/WM incident scenario. This will allow multiple JPR's to be evaluated effectively in conjunction with other hazardous materials/WMD incident scenario activities.			ls/WMD	
No.	Task Steps		✓	
1	Identify the contaminated person.		n.	
2	Remove co	ntaminated person f	rom threatened area.	
3	Immediatel	y begin flushing wit	h copious amounts of water.	
4	Avoid cross contamination			
5	5 Remove victim to clean area.			
6	Inform med	lical personnel of co	ntaminant.	
7	Secure Scen	ne / Maintain eviden	ce.	

Evaluator (Print & Sign)



Candidate:

STANDARD: NFPA 472, 2013 Edition		472,	Task: Given a Safety Data Sheet (SDS) for a specified material, identify the following hazard and response information:	
Section(s): 5.2.2 (3)(a)-(j)		a)-(j)	(a) Physical and chemical characteristics(b) Physical hazards of the material(c) Health hazards of the material	
Analyzi	ing the Incide	ent	(d) Signs and symptoms of exposure	
			(e) Routes of entry	
			(f) Personal exposure limits	
			(g) Manufacturers contact (b) Precautions for safe handling (including hygiene practices, prote	ective
			measures, and procedures for cleanup of spills and leaks)	
			(i) Applicable control measures, including personal protective equip	oment
			(j) Emergency and first-aid procedures	
DEDEO	DMANCE	The candidate will	complete this task within 30 minutes with a minimum of 18 of 23	
PERFO OUT	RMANCE COME:		incury.	
		the safety violatio	noration is grounds for automatic fantire. All proctors present shan	review
EQUIP JURISE	MENT REQ DICTION (AH	U IRED: SAFETY J)	DATA SHEET (SDS) AS PROVIDED BY THE AUTHORITY HAVI	NG
CONDI incident material	TIONS: Whe scenario. Th s/WMD incid	enever possible, inte is will allow multiple ent scenario activitie	grate the evaluation of this JPR within a consolidated hazardous materia e JPR's to be evaluated effectively in conjunction with other hazardous es.	als/WMD
No.	Task Steps		\checkmark	
1	Physical and	d chemical character	ristics	
	a. Boiling	g point:		
	b. Specifi	c gravity and/or vap	or density:	
	c. Appear	rance/physical state:		
	d. Odor:	• .		
	e. Flash p	oint:		
	f. Vapor pressure:			
	b Water solubility			
2	Physical hazards of the material:			
3	Health hazards of the material:			
4	Signs and s	ymptoms of exposur	re:	

No.	Task Steps	✓
5	Routes of entry:	
6	Personal exposure limits:	
	a. PEL/PEL-C	
	b. TLV/TWA	
	c. STEL	
	d. IDLH	
	e. LD50/LC50	
7	Manufacturer contact:	
8	Precautions for safe handling:	
	a. Hygiene practices:	
	b. Protective measures:	
9	Applicable control measures:	
10	Personal Protective Equipment:	
11	Emergency and first-aid procedures:	



Hazardous Materials Operations JPR: HZMT-OPS-2 Worksheet

Candidate:

Given a Safety Data Sheet (SDS), identify the following hazard and response information.

The candidate will complete this task within 30 minutes with a minimum of 18 of 23 items answered correctly.

1. Physical and chemical characteristics:

- a. Boiling point
- b. Specific Gravity and/or Vapor Density
- c. Appearance / Physical State
- d. Odor
- e. Flash point
- f. Vapor pressure
- g. Flammable range
- h. Water Solubility

2. Physical hazards of the material:

- 3. Health hazards of the material:
- 4. Signs and symptoms of exposure:

5. Routes of entry:

6. Permissible exposure limits:

a. PEL PEL-C	
b. TLV / TWA	
c. STEL	
d. IDLH	
e. LD50 / LC50	

7. Manufacturer contact:

8. Precautions for safe handling:

a. Hygiene Practices:

b. Protective measures:

9. Applicable Control Measures:

10. Personal Protective Equipment:

11. Emergency and First-Aid Procedures:

Evaluator (Print & Sign)



Candidate:

STANDARD: NFPA 472, 2013 Edition Section(s): 5.2.2; 5.4.2; 6.2.4.1; 6.6.3.1(1) Analyzing the Incident		. 472, .2; 6.2.4.1; ent	Task: Given an example of a scenario involving known hazardous materials, interpret the hazard and response information obtained from the current edition of the Emergency Response Guidebook (ERG) and a Safety Data Sheet (SDS).	
PERFORMANCE OUTCOME: Safety: A safety v the safety violatio		The candidate will Safety: A safety v the safety violatio	complete this task within 30 minutes. violation is grounds for automatic failure. All proctors present shall on.	review
EQUIP	EQUIPMENT REQUIRED: When Possible utilize SDS from JPR #2 and current edition of ERG.			
CONDI incident material	TIONS: Whe scenario. Thi s/WMD incide	enever possible, inte is will allow multiple ent scenario activitie	grate the evaluation of this JPR within a consolidated hazardous materia e JPR's to be evaluated effectively in conjunction with other hazardous es.	ls/WMD
No.		Task Steps -	Hazardous Materials Scenario - Involved in fire	✓
1	Initiate inci	dent management sy	stem according to National Incident Management System (NIMS)	
2	Container b	ehavior		
3	3 Material behavior			
4 Product control measures				
5	Describe alternate plan if initial actions are unsuccessful			
6	Describe pr	ocess to secure the s	scene and preserve evidence.	

Evaluator (Print & Sign)



Hazardous Materials Operations JPR: HZMT-OPS-3 Worksheet

Candidate:

When Possible utilize SDS from JPR #2 and current edition of ERG. Identify the following hazard and response information.

Hazardous Materials Scenario - Fire Scenario - The candidate will complete this task within 30 minutes.

1. Describe Incident Management and Initial actions:

2. Describe container behavior and its effect on your actions:

3. Describe the material's behavior and its effect on your actions:

4. Describe product control measures and needs:

5.	a. Describe alternate plan if initial actions are unsuccessful:
	b. Describe size of initial isolation or evacuation area:
6.	Describe process to secure scene and preserve evidence:



Candidate:

STAND 2013 Ec	DARD: NFPA lition	472,	Task: Given an example of a scenario involving known hazardous	
Section	(s): 5.2.2; 5.4	.2; 6.6.3.1(1)	materials, interpret the hazard and response information obtained from the current edition of the Emergency Response Guidebook	
Analyzi	ing the Incide	ent	(EKG) and a Safety Data Sheet (SDS).	
PERFO	RMANCE	The candidate will	complete this task within 30 minutes.	
OUTCOME: S		Safety: A safety with the safety violation of the safe	violation is grounds for automatic failure. All proctors present shall on.	review
EQUIP	EQUIPMENT REQUIRED: When Possible utilize SDS from JPR #2 and current edition of ERG.			
CONDITIONS: Whenever possible, integrate the evaluation of this JPR within a consolidated hazardous materials/WM incident scenario. This will allow multiple JPR's to be evaluated effectively in conjunction with other hazardous materials/WMD incident scenario activities.			ls/WMD	
No.	Task Steps - Hazardous Materials Scenario - Spill or Leak		✓	
1	Initiate incident management system according to National Incident Management System (NIMS)			
2	Container behavior			
3	Material behavior			
4	4 Product control measures			
5	Describe alternate plan if initial actions are unsuccessful			
6	Describe pr	rocess to secure the	scene and preserve evidence.	

Evaluator (Print & Sign)



Hazardous Materials Operations JPR: HZMT-OPS-4 Worksheet

3. Describe the material's behavior and its effect on your actions:

4. Describe product control measures and needs:

5.	a. Describe alternate plan if initial actions are unsuccessful:
	b. Describe size of initial isolation or evacuation area:
6.	Describe process to secure scene and preserve evidence:



Candidate:

STANDARD: NFPA 472, 2013 Edition		. 472,	Task: : Given a pesticide label, identify each of the following pieces of information; then match the pieces of information to the overall significance in surveying the hazardous materials incident.	
Section	Section(s): 5.2.1.3.2(1)-(6)			
Analyzi	ing the Incide	ent		
PERFORMANCE The candidate will answered correctly OUTCOME: Safety: A safety will the safety violation		The candidate will answered correctly	complete this task within 15 minutes, with a minimum of 6 of 8 items 7.	
		Safety: A safety v the safety violation	iolation is grounds for automatic failure. All proctors present shall on.	review
EQUIP	MENT REQ	UIRED: Pesticide I	Label	
CONDITIONS: Whenever possible, integrate the evaluation of this JPR within a consolidated hazardous materials/WMI incident scenario. This will allow multiple JPR's to be evaluated effectively in conjunction with other hazardous materials/WMD incident scenario activities.			lls/WMD	
No.	Task Steps		✓	
1	Identify the Product Name:			
2	What does t	the signal word indi	cate?	
3	What is the signal word indicationg the lowest level of toxicity?			
4	4 What is the signal word indicationg the highest level of toxicity?			
5	5 Identify the Pest Control Product / EPA Registry Number:			
6	6 Identify the Precautionary Statement: (Harm to people)			
7	Identify the Hazard Statement: (Environment)			
8	What does t	the active ingredient	do?	

Evaluator (Print & Sign)



Hazardous Materials Operations JPR: HZMT-OPS-5 Worksheet

Candidate:

Pesticide Label -The candidate will complete this task within 15 minutes.

1. Identify the product name:

2. What does the signal word indicate?

3. What is the signal word indicating the lowest level of toxicity?

4. What is the signal word indicating the highest level of toxicity?

5. Identify the Pest Control Product / EPA Registry Number:

6. Identify the Precautionary Statement: (Harm to people)

7. Identify the Hazard Statement: (Environment)

8. What does the active ingredient do?_____

Evaluator (Print & Sign)



Candidate:

STANDARD: NFPA 472, 2013 Edition Section(s): 5.4.4: 6.2.4.1 (3)-(4)		Task: Demonstrate donning PPE with self-contained breathing	
Implem	enting the Planned Response	apparatus (SCDA)., working in, decontainination, and dorring.	
PERFORMANCE The candidate wi OUTCOME: Safety: A safety the safety violati		successfully demonstrate the ability to don, work in and doff PPE. riolation is grounds for automatic failure. All proctors present shall on.	review
Authority	Having Jurisdiction (AHJ).	Sective equipment, SCBA and decontainmation materials according to	
CONDI incident materials	FIONS: Whenever possible, integ scenario. This will allow multiple /WMD incident scenario activitie	grate the evaluation of this JPR within a consolidated hazardous material g JPR's to be evaluated effectively in conjunction with other hazardous s.	s/WMD
No.	Task Steps 🗸		
1	Don structural firefighting gear or chemical protective clothing (Level B).		
2	Process for donning SCBA		
	a. Open cylinder fully.		
	b. Secure straps on SCBA.		
	c. Don face piece.		
	d. Check face seal.		
	e. Hook up air supply.		
3	Work in contaminated area.		
4	Exit contaminated area.		
5	Describe how to perform techn	ical decontamination as part of a team	
6	Doff PPE as provided by AHJ		
7	Complete necessary documenta reuse.	tion, as required by AHJ and place all equipment in a ready state for	



Candidate:

STANDARD: NFPA 472, 2013 Edition Section(s): 6.6.3.1 (2)(j); 6.6.4.1 (1, 2,3 (J)) Implementing the Planned Response		Task: Using the type of fire-fighting foam or vapor suppressing agent and foam equipment furnished by the authority having jurisdiction, demonstrate the proper application of the fire-fighting foam(s) or vapor suppressing agent(s) on a simulated spill or fire involving hazardous materials		
PERFO	PERFORMANCE The candidate will successfully demonstrate each ability identified within this JPR. OUTCOME: Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.			
EQUIPMENT REQUIRED: Fire-fighting foam or vapor suppression agent, foam equipment, fire apparatus, hazardous liquid, and burn area. Full protective clothing and self contained breathing apparatus (SCBA).				
CONDITIONS: Whenever possible, integrate the evaluation of this JPR within a consolidated hazardous materials/WMD incident scenario. This will allow multiple JPR's to be evaluated effectively in conjunction with other hazardous materials/WMD incident scenario activities.				
No.		Task Steps	\checkmark	
1	Approach the spill or fire from uphill and upwind.			
2	Set nozzle to correct pattern (and GPM flow, if applicable).			
3	Use correct application procedures to effectively control vapors or fire			
	a. Banked down.			
	b. Roll on.			
	c. Rain down			
4	Did not disturb the foam blanket.			
5	Safely exited the hazardous area.			

Evaluator (Print & Sign)



Candidate:

STANDARD: NFPA 472, 2013 Edition		Task: Given the appropriate tools and equipment, demonstrate how to perform the following defensive control activities:			
		a. Absorption e. Diversion			
Section(s): 6.6.3.1 (1), (2a), (2c-i):		b. Damming	f. Retention		
6.6.4.1	(3a), (3c-i)		c. Diking	g. Vapor Dispersion	
			d. Dilution	h. Remote valve shut-off	
Product Control					
PERFORMANCEThe candidate willOUTCOME:identified within thSafety: A safety vthe safety violation		l as a member of a team, successfully demonstrate each ability he checklist with at least 24 of 30 items completed correctly.			
		/iolation is grounds for automatic failure. All proctors present shall review			
EQUIP absorbe	EQUIPMENT REQUIRED: Personal protective equipment, self-contained breathing apparatus (SCBA), shovels, rakes, absorbent materials, dirt, sand or hay, plastic sheeting, and a leaking container.				
COND inciden materia	ITIONS: Whe t scenario. Th ls/WMD incid	enever possible, inte is will allow multipl ent scenario activitio	grate the evaluation of this e JPR's to be evaluated effe es.	JPR within a consolidated hazardous materia ectively in conjunction with other hazardous	als/WMD
No.			Task Steps		✓
1	Absorption	:			
	a. Use common, available materials.				
	b. Avoid contact with the hazardous material.				
	c. Ensure drains do not become contaminated.				
	d. Ensure	d. Ensure hazardous material is absorbed into absorbent material.			
2	Damming: (Overflow and Underflow)				
	a. Use common, available materials.				
	b. Avoid	Avoid contact with the hazardous material.			
	c. Ensure	ure dam is not breached.			
3	Diking:				
	a. Use con	. Use common, available materials.			
	b. Avoid	contact with the haz	ardous material.		
	c. Form a "v" and a "circle" dike.				
	d. Ensure	hazardous material	does not enter drains or ma	nholes.	

No.	Task Steps	 ✓ 	
4	Dilution		
	a. Use common, available materials.		
	b. Avoid contact with the hazardous material.		
	c. Ensure the hazardous material is water soluble.		
	d. Do NOT overflow retention pond of hazardous material.		
5	Diversion:		
	a. Use common, available materials.		
	b. Avoid contact with the hazardous material.		
	c. Ensure hazardous material is diverted away from drains and waterways.		
	d. Make sure the hazardous material does NOT breach the diversion.		
6	Retention:		
	a. Define the purpose of retention.		
	b. Use common, available materials.		
	c. Avoid contact with the hazardous material		
	d. Ensure product flow does not exceed retention area.		
7	Vapor Dispersion:		
	a. Avoid contact with the hazardous material.		
	b. Eliminate ignition sources, if applicable.		
	c. Use water spray or fans to control dispersion.		
	d. Move vapors away from threatened area.		
8	Remote valve shut-off:		
	a. Avoid contact with the hazardous material.		
	b. Eliminate ignition sources, if applicable.		
	c. Manipulate valve as instructed to control the flow of the product.		

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4	Scenario - Spill (Worksheet Attached)	Random	
5	Pesticide Label (Worksheet Attached)	Random	
6	Donning PPE	Random	
7	Foam	Random	
8	Defensive Control Actions	Random	