



HAZARDOUS MATERIALS OPERATIONS

**PRACTICAL SKILLS CERTIFICATION EVALUATION
PACKET (NFPA Standard 1072, 2017 Edition)**

May 1, 2020

**Department of Public Safety Alaska Fire Standards Council
5700 E. Tudor Road Anchorage, Alaska 99507(907)269-5052**

ALASKA HAZARDOUS MATERIALS OPERATIONS SKILLS EVALUATION PACKET

HAZARDOUS MATERIALS OPERATIONS PRACTICAL SKILLS JOB PERFORMANCE REQUIREMENTS			
(NFPA 1072, 2017 Edition)			
Skill Sheet #	NFPA Section #	Tasks	Initial Certification Skill Requirement: 1 Mandatory 2 Random
<u>HMO 1</u>	5.2.1, 5.3.1, 5.4.1	Hazardous Materials Spill/Leak Control	Mandatory (1 <i>or</i> 2)
<u>HMO 2</u>	5.2.1, 5.3.1, 5.4.1	Hazardous Materials Fire	Mandatory (1 <i>or</i> 2)
<u>HMO 3</u>	6.2.1	Don/Doff PPE and Respiratory Protection	Random
<u>HMO 4</u>	5.4.1, 5.6.1, 6.2.1, 6.6.1	Product Control Measures	Random
<u>HMO 5</u>	5.5.1, 6.2.1	Emergency Decontamination	Random
<u>HMO 6</u>	5.6.1, 6.2.1 6.6.1	Application of Foam	Random

Skill Sheet Packet Instruction

Purpose of the Skill Sheets

All skills listed in this packet are consistent with the 2017 edition of the [NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications](#). The Alaska Fire Standards Council (AFSC) provides these skill sheets as the basis for Hazardous Materials Operations testing and certification.

For certification purposes, the final skill examination will consist of a series of mandatory skill stations and a selection of random skills from this packet. Candidates will be required to successfully complete selected practical skills during final certification examinations at the Operations level.

Description & Use

1. These skills sheets are designed for use by the Training Officer and Hazardous Materials Operations candidate. Use of this packet throughout an accredited training program will assist in verifying candidate competency and completion of the [Hazardous Materials Operations Training Record](#).
2. For eligibility to complete the final certification examination, a candidate must demonstrate competency in all skills during training and satisfactorily complete all items on the Hazardous Materials Operations Training Record document.
3. This packet is designed to encompass the requisite skills for Hazardous Materials Operations instruction and final testing for certification. Accreditation Managers/Training Officers and Hazardous Materials Operations course instructors should utilize this evaluation packet during a course to prepare candidates for the certification exam. These skills sheets should be given to every Hazardous Materials Operations candidate at the beginning of a training course and used throughout the course for ongoing evaluation by the instructor. For a candidate's final skills evaluation, she or he must successfully perform each skill while being evaluated on performance competency by an AFSC examination representative.
4. The final skills examination will consist of skills selected from this packet. Skills are selected from the mandatory and random skills categories. This packet contains a list of all mandatory and randomly selected skills that are used for the final examination.
5. Random skill stations will be selected using a test management system within the AFSC office. The random skill stations are selected prior to the test date. The Certifying Officer will notify candidates which skills they will be required to complete at the start of the practical skills portion on the date of the examination.
6. The completion of the Hazardous Materials Operations Training Record establishes a candidate's eligibility to test. This document must be fully completed and signed by the Accreditation Manager/Training Officer or designee for each candidate before a candidate can begin the final skills examination. The Hazardous Materials Operations Training Record and the practical skills evaluation sheets shall become a permanent part of the candidate's local training record, and this information shall be kept on file in accordance with department accreditation procedures.

Grading Criteria

1. It is expected that all of the listed skill sheet elements will be taught and evaluated by the Hazardous Materials Operations instructor throughout a course. During the final skills exam, the candidate must be prepared to perform all of the skills listed in this packet. There are no specific critical points designated within the practical skill sheets. The Certifying Officer (CO) will require the candidate to repeat a practical skill station if all of the listed skill items on a selected sheet are not completed by the candidate.
2. This packet contains skill requirements that involve the demonstration of hazardous materials skills within "simulated" scenarios related to fire ground activities. When applicable, skill sheets specifically describe when simulated fire conditions are permitted for certification testing.
3. There are critical performance items that must be followed for satisfactory performance. Examples of *unsatisfactory* performance can include:

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- a. Exceeding limitations: time, safety, and equipment limitations
- b. Inadequate/insufficient personal protective equipment
- c. Lack of skill accuracy and task completion as defined on the skill evaluation sheet
- d. Poor judgment in skill performance (i.e.- wrong application of tool or equipment or safety violation)
- e. Failure to appropriately apply related knowledge or skill requirements
- f. Not competent in the specified task or skill steps
- g. Outcome of the specified task is in doubt (i.e.- incorrectly performed or did not accomplish skill evaluation criteria)
- h. Need for Evaluator intervention (i.e.- imminent health or safety risk to candidate or others)
- i. Failure to adhere to basic safety principles or guidelines

Artificialities of Training and Testing

Training and testing for Hazardous Materials Operations can only approximate on-the-job activities. There are certain artificialities to training and testing that the candidate must be able to adapt to. Candidates must be aware that actual emergency situations cannot be completely duplicated during final examination scenarios. For the best possible outcome during final skills examination, Hazardous Materials Operations instructors must prepare the candidates to competently perform the skills listed in this packet throughout a training course.

Final Skills Evaluation

The AFSC designated Certifying Officer (CO) conducts the final evaluation and utilizes the practical skills evaluation sheets during the final examination process. Throughout the final examination, the CO has overall test site authority and is required to perform his or her duties as outlined in the [Certification Policy Manual](#).

For preparation of the final examination the designated CO must coordinate with the Accreditation Manager/Training Officer or designee, to ensure an adequate test site location is available. The Accreditation Manager/Training Officer is responsible for preparation of all test site equipment/materials and arranging designated evaluators for the date of the practical examination. The CO must verify that all required elements are adequate for testing and will approve all designated evaluators. Designated evaluators shall receive training appropriate for the test site and are required to complete an [Evaluator Code of Ethics Compliance](#) agreement before testing begins.

The CO shall verify completion of the final examination packet.

Additional Notes:

1. During the final practical examination, it is expected that an appropriate uniform, or full personal protective equipment (PPE) shall be worn unless otherwise indicated within the skill evaluation sheet.
2. During some scenarios, a candidate may be instructed to perform other firefighter/hazardous materials tasks not directly related to the specific skill sheet evaluation being tested. It is expected that the candidate shall perform all related skills correctly.
3. Some skills may include a time limit. An evaluator may use a digital or analog watch/stopwatch for final skills evaluation. Prior to the start of the practical examination, the CO must inspect and approve all timing devices used during final skills evaluations.
4. Some skills require that equipment or documentation be used within the final skills examination. Unless otherwise indicated, it is permissible for the candidate to prepare or assemble the required equipment or paperwork at any time provided that this does not interfere with the core skill, task, or evolution.
5. Candidates must be prepared to complete skills under a variety of conditions. Training and skills practice are often done during optimum conditions, but candidates must be prepared to adapt to changing conditions that can occur in actual fire ground situations. The evaluator ultimately determines if the candidate has met the criteria specified on the skill(s) being evaluated.
6. For final examination, the performance of a skill, task, or evolution is not required to be done in the exact order of the steps (as outlined on the skill sheet), unless it is critical to a particular task. For example, a person must don turnout gear before donning an SCBA.
7. Some scenarios may involve skills that must be performed as a team. During final skills examinations evaluators

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and candidates must be cognizant that each team member is evaluated separately to ensure individual criteria is met. An individual candidate may be required to repeat a task if they do not satisfy the skill sheet requirements if working as a member of a team.

8. Some skills may require that a candidate verbalize information about a particular task or procedure. In such cases, any question(s) from the evaluator to the candidate must be limited to those that satisfy the criteria listed on the skill sheet. A question cannot exceed the scope of Hazardous Materials Operations requirements.

Hazardous Materials Operations Final Written and Practical Examinations

Following is a brief outline of the reference materials and documents that are used for a Hazardous Materials Operations final examination:

Hazardous Materials Operations Written Material References

- a. [NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications, 2017 Edition](#)
- b. Text (any one of the following)
 - Jones and Bartlett, *Hazardous Materials Awareness and Operations*, 3rd Edition
 - IFSTA, *Hazardous Materials for First Responders*, 5th Edition
- c. Additional Reference
 - Current version of DOT Emergency Response Guide (ERG) Book
 - Hazardous Materials Operations Practical Skills Evaluation Sheets (*this packet*)

Final Examination Steps

- a. [*Hazardous Materials Operations Training Record](#) review (*this must be completed and signed off by the Accreditation Manager/Training Officer or designee prior to the date of the final examination and reviewed by the CO to ensure all elements are complete*).
- b. Certifying Officer reviews and signs candidate Application for Certification
- c. Candidate completes the written examination administered by the CO
- d. Candidate completes the practical examination administered by the CO.
- e. Certifying Officer reviews completed evaluator skill sheets and transfers information to the [Practical Examination Reporting Form](#) (PERF)
- f. Written exam, Practical Examination Reporting Form, and signed application are forwarded to AFSC.
- g. AFSC Hazardous Materials Operations certificate is issued upon successful completion of the written and practical exam (*within approximately 30 days of test date*)

**Note: The candidate's completed Training Record shall be placed in the candidate's training file in accordance with fire accreditation procedures.*

Acknowledgements

The Alaska Fire Standards Council would like to acknowledge the assistance of the International Fire Service Accreditation Congress and its members who have provided reference and support and the Alaska Responders that assisted with the development and review throughout the revision process.

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PRACTICAL SKILL REQUIREMENTS

HMO-1

Candidate:	Date:
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STANDARD: NFPA 1072: 5.2.1, 5.3.1, 5.4.1	GENERAL SKILL: Hazardous Materials Spill/Leak Control
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TASK: Given a scenario involving hazardous materials, the candidate shall implement a response in accordance with SOP/SOG; evaluate progress to safely meet objectives; survey the incident to identify containers involved; collect hazard and response information; and communicate the status of response through chain of command.

PERFORMANCE OUTCOME: The candidate shall identify, collect and communicate information; describe potential hazards, harm, and outcomes associated with that behavior and surrounding conditions identified in the scenario provided.

EQUIPMENT: Emergency Response Guidebook (ERG), Scenario map, scenario description, SDS and/or shipping documents

CONDITIONS: Given a hazardous materials scenario, the candidate shall:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Establish and enforce scene control procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Establish means of evidence preservation, as indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Initiate incident management system according to National Incident Management System (NIMS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Identify the type of container and the product involved and determine material behavior based on available information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Determine the minimum personal protective equipment required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Describe product control measures as indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Identify the Potential Hazard related to this product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Identify the responsible party and how to contact them.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Identify or describe the location of the incident command post	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Identify additional resources that are needed for this response.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Determine the need for emergency decontamination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

Overall Skill Sheet Result:

Pass (P): **Fail (F):**

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PRACTICAL SKILL REQUIREMENTS

HMO-2

Candidate:	Date:
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STANDARD: NFPA 1072: 5.2.1, 5.3.1, 5.4.1	GENERAL SKILL:	Hazardous Materials Fire
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TASK: Given a scenario involving hazardous materials, the candidate shall implement a response in accordance with SOP/SOG; evaluate progress to safely meet objectives; survey the incident to identify containers involved; collect hazard and response information; and communicate the status of response through chain of command.

PERFORMANCE OUTCOME: The candidate shall identify from the scenario provided, the appropriate actions and objectives, safety precautions, PPE and decontamination practices to mitigate the scope of the problem.

EQUIPMENT: Emergency Response Guidebook (ERG), Safety Data Sheet (SDS), and local SOP's/SOG's.

CONDITIONS: Given a hazardous materials scenario, the candidate shall:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Establish and enforce scene control procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Establish means of evidence preservation, as indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Initiate incident management system according to National Incident Management System (NIMS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Identify the type of container and the product involved and determine material behavior based on available information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Determine the minimum personal protective equipment required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Describe product control measures as indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Identify or describe the location of the incident command post	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Identify additional resources that are needed for this response.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Determine the need for emergency decontamination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

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PRACTICAL SKILL REQUIREMENTS

HMO-3

Candidate:	Date:
STANDARD: NFPA 1072: 6.2.1	GENERAL SKILL: Don/Doff PPE and Respiratory Protection
TASK: Demonstrate the ability to select, don, work in, and doff personal protective equipment (PPE) at a hazardous materials/WMD incident; a mission-specific assignment in an IAP that required the use of PPE	
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to correctly don PPE, work in a contaminated area, exit the contaminated area, and doff gear in accordance with AHJ procedure.	
EQUIPMENT: Personal protective equipment and decontamination materials according to Authority Having Jurisdiction (AHJ), PPE inspection forms, and local SOP's/SOG's.	
CONDITIONS: Given a simulated hazardous materials environment, the candidate shall demonstrate the ability to complete all task steps.	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Select the correct PPE for the assignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Inspect the PPE and verify it is ready for service						
3.	Correctly don chemical protective clothing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Correctly don respiratory protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Complete doffing procedures in accordance with local AHJ policy and procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Remove respiratory protection and place all equipment in a ready state for reuse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Complete required reports and documents post use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Date

Certifying Officer Signature

Overall Skill Sheet Result:

Pass (P): **Fail (F):**

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PRACTICAL SKILL REQUIREMENTS

[HMO-4](#)

Candidate:	Date:
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STANDARD: NFPA 1072: 5.4.1, 5.6.1, 6.6.1	GENERAL SKILL:	Product Control Measures
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TASK: The candidate shall perform assigned tasks of product control with a limited risk of personal exposure.

PERFORMANCE OUTCOME: Working in teams of no more than 3 personnel the candidates will successfully demonstrate each of the abilities identified within the checklist.

EQUIPMENT: Chemical Protective Clothing, self-contained breathing apparatus (SCBA), shovels/hand tools, materials that can be used for absorption, damming, diking, diversion, retention, dispersion and suppression, tarps/salvage cover, sandbags, fire hose, various nozzles: hand line, fog/solid stream combination, hose tools, appliances and water supply. Other equipment/materials may be used based on local resources, portable radio, and local SOP's/SOG's.

CONDITIONS: The candidate shall complete the following tasks:

No.	TASK STEPS <i>(Certifying Officer shall select two (2) of the following tasks for final certification examination.)</i>	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Establish scene control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Select and wear appropriate PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Using approved communications methods communicate to supervisor status (i.e. making entry, status, and exiting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/> Absorption (e.g.: absorbent pads, saw dust, diatomaceous earth, gelling agent)						
	a. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Ensure drains do not become contaminated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Ensure hazardous material is absorbed into absorbent material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/> Damming (e.g.: sand, dirt, salvage cover, absorbent pads, sewer- storm drain plugs)						
	a. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Ensure dam holds and does not breached.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/> Diking (e.g.: dirt, sand bags, absorbent pads, clay)						
	a. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Form a "v" dike.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Form a "circle" dike.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	e. Ensure hazardous material does not enter drains or manholes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/> Dilution (e.g.: applied water stream to dilute substance)						
	a. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Ensure the hazardous material is water soluble.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Do NOT overflow retention pond of hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/> Diversion (e.g.: shovels or high-pressure water streams, sand bags)						
	a. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Ensure hazardous material is diverted away from drains and waterways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Make sure the hazardous material does NOT breach the diversion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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No.	TASK STEPS <i>(Certifying Officer shall select two (2) of the following tasks for final certification examination.)</i>	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
9.	<input type="checkbox"/> Retention (e.g.: salvage cover catch-all basin, earthen dams, floating confinement boom, temporary patches on containers)						
	a. Define the purpose of retention.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Use common, available materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Avoid contact with the hazardous material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Ensure product flow does not exceed retention area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	<input type="checkbox"/> Vapor Dispersion (e.g.: water streams, fans)						
	a. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Eliminate ignition sources, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Use water spray or fans to control dispersion.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Move vapors away from threatened area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	<input type="checkbox"/> Remote valve shut-off						
	a. Avoid contact with the hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Eliminate ignition sources, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Manipulate valve as instructed to control the flow of the product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Determines when the response objectives are completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	All steps completed in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Date

Certifying Officer Signature

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

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PRACTICAL SKILL REQUIREMENTS

HMO-5

Candidate:	Date:
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STANDARD: NFPA 1072: 5.5.1, 6.2.1	GENERAL SKILL: Emergency Decontamination
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TASK: The candidate(s) shall perform emergency decontamination at a hazardous materials/WMD incident.

PERFORMANCE OUTCOME: Given a scenario the candidate shall demonstrate the ability to correctly set up and perform emergency decontamination on a first responder in a safe area, utilizing appropriate PPE, preventing spread of contaminants and avoiding hazards.

EQUIPMENT: PPE, self-contained breathing apparatus (SCBA), water supply, hoses and Emergency Response Guidebook (ERG)

CONDITIONS: Given a person that has a simulated contamination and a scenario, the candidate shall demonstrate the ability to perform emergency decontamination on a contaminated person or firefighter.

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Using appropriate PPE and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Select and set up emergency decontamination area in a safe area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Remove contaminated person from hot zone/contaminated area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Flush the contaminated person with water to remove bulk of contamination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Remove contaminated person's outer most clothing. If applicable remove (helmet, SCBA, gloves and coat, pants and boots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Flush the contaminated person with water once the outer most clothing is removed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Remove remaining respiratory protection (face piece)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Move decontaminated person to clean environment and/or ambulance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Communicate contaminant information to EMS and/or hospital	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

Overall Skill Sheet Result:

Pass (P): **Fail (F):**

ALASKA HAZARDOUS MATERIALS OPERATIONS SKILLS EVALUATION PACKET

NFPA 1072-2017 Ed.

PRACTICAL SKILL REQUIREMENTS

[HMO-6](#)

Candidate:	Date:
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STANDARD: NFPA 1072: 5.6.1, 6.6.1	GENERAL SKILL:	Application of Foam
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TASK: Using class B foam or simulated vapor suppressing agent and foam equipment furnished by the AHJ, demonstrate the proper application of the fire-fighting foam(s) or vapor suppressing agent(s) on a spill or fire involving hazardous materials.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to properly apply firefighting foam or a vapor suppressing agent. The agent application should be sufficient to prevent re-ignition and provide safety to the team at all times.

EQUIPMENT: Firefighting personal protective equipment, SCBA (CO to determine if on air), pump apparatus, attack line, various nozzles: hand line, foam proportioner/educator, foam compatible nozzle, simulated foam product, hose tools and appliances, water supply, portable radio, and local SOP's/SOG's.

CONDITIONS: Given a simulated hazardous materials environment, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Using appropriate PPE, approach the spill or fire from uphill, upwind, and upstream (consideration of safe direction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Using approved communications methods communicate to supervisor status (i.e. making entry, status, and exiting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Coordinate the attack team's advancement toward the fire so that a smooth and safe approach is maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Set nozzle to correct pattern (<i>and GPM flow, if applicable</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Use correct application procedures to effectively control vapors or fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Demonstrate application of a foam blanket over a fuel spill using the following techniques:						
	a. Roll on method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Bank down method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Rain down method	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Properly apply finished foam to the surface of the fuel and create and maintain a foam blanket to extinguish the fire and prevent re-ignition, or suppress vapors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Determines when the response objectives are completed						
9.	Maintain team protection and face the hazard until the team has completely retreated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	All steps completed in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

<u>Overall Skill Sheet Result:</u>	
Pass (P): <input type="checkbox"/>	Fail (F): <input type="checkbox"/>

ALASKA HAZARDOUS MATERIALS OPERATIONS SKILLS EVALUATION PACKET

PRACTICAL SKILLS TESTING CORRELATION MAP

HAZARDOUS MATERIALS OPERATIONS PRACTICAL SKILLS JOB PERFORMANCE REQUIREMENTS

**(NFPA 1072, 2017
Edition)**

Skill Sheet #	NFPA Section #	Tasks	Initial Certification Skill Requirement: 1 Mandatory 2 Random
HMO 1	5.2.1, 5.3.1, 5.4.1	Hazardous Materials Spill/Leak Control	Mandatory (1 or 2)
HMO 2	5.2.1, 5.3.1, 5.4.1	Hazardous Materials Fire	Mandatory (1 or 2)
HMO 3	6.2.1	Don/Doff PPE and Respiratory Protection	Random
HMO 4	5.4.1, 5.6.1, 6.2.1, 6.6.1	Product Control Measures	Random
HMO 5	5.5.1, 6.2.1	Emergency Decontamination	Random
HMO 6	5.6.1, 6.2.1 6.6.1	Application of Foam	Random

HMO Testing Equipment List

<input type="checkbox"/>	1	Cleaning supplies (PPE, hose, ladders, SCBA)
<input type="checkbox"/>	2	Containment area/tarp/portable children's swimming pool
<input type="checkbox"/>	3	Current Emergency Response Guide Book (1 per student)
<input type="checkbox"/>	4	Decon Brushes
<input type="checkbox"/>	5	Department Standard Operating Procedures/Standard Operating Guidelines (SOP's/SOG's). Accessible to membership
<input type="checkbox"/>	6	Extra bunker gear/PPE (Decon)
<input type="checkbox"/>	7	Fire hose (attack 1 ½ or larger); 400' with 2 nozzles
<input type="checkbox"/>	8	Fire hose (supply 2 ½ or larger); 400'
<input type="checkbox"/>	9	Foam Agent (5-gallons Class B [can be simulated or expired foam])
<input type="checkbox"/>	10	Foam Appliances
<input type="checkbox"/>	11	Foam Proportioner (apparatus mounted or in line eductor)
<input type="checkbox"/>	12	Full PPE/bunkers for each candidate
<input type="checkbox"/>	13	Full Self Contained Breathing Apparatus (SCBA)/supplied air respirator (SAR) protection for participants
<input type="checkbox"/>	14	Hose tools and appliances
<input type="checkbox"/>	15	SDS File
<input type="checkbox"/>	16	Portable radio
<input type="checkbox"/>	17	Salvage tarps/covers (assortment)
<input type="checkbox"/>	18	Service Tags and Maintenance log book/record
<input type="checkbox"/>	19	Traffic/scene control devices
<input type="checkbox"/>	20	Materials that can be used for absorption, damming, diking, diversion, retention, dispersion and suppression.
<input type="checkbox"/>	21	Various hand tools (Including forcible entry tools)
<input type="checkbox"/>	22	Shovels
<input type="checkbox"/>	23	Sandbags
<input type="checkbox"/>	24	Various nozzles: hand line, fog/solid stream, combination

HMO Facility Checklist

<input type="checkbox"/>	1	Active hydrant for water supply/other water source
<input type="checkbox"/>	2	Pump apparatus with water tank/source