



Hazardous Materials Operations Certification

Skill # 9.1 Product Control: Vapor Suppression: Foam **Maximum Time Allowed: 15 min.**

INSTRUCTIONS TO THE CANDIDATE

The candidate shall work as a member of a 3 to 4 person team and will be evaluated as such. Given a simulated hazardous material spill or leak the team shall safely and effectively apply a blanket of foam by using either the raining, banking, or rolling technique.

CANDIDATE PERFORMANCE	1 st Attempt		2 nd Attempt	
	Yes	No	Yes	No
◆ Candidate has informed the evaluator that they have been trained in this skill.				
◆ Uses an ERG to determine product hazards and determine that vapor suppression with foam is an appropriate defensive action.				
Verbalize isolating and evacuating the area according to the ERG guidelines.				
Verbalize eliminating all ignition sources.				
Uses an ERG to determine type of foam concentrate required (non-polar solvent or polar solvent).				
Uses foam concentrate label or brochure to determine the appropriate percentage of concentrate to be educted into the foam solution.				
◆ Wears all PPE correctly.				
Approaches from uphill and upwind location.				
Identifies source of spill or leak and stops leak by closing the remote valve, or verbalize the reasons the leak cannot be stopped.				
◆ Avoids contact with the product.				
All positions are preformed properly (nozzleman and backup) (foam eductor) (crew leader/safety).				
◆ Before advancing near the spill, finished foam is flowed to ensure foam is being effectively generated.				
Foam line is advanced applying a foam blanket using the assigned technique. (Evaluator may select roll-over, rain down, or bank in)				
Performs monitoring process to determine if vapors are being sufficiently suppressed to accomplish the assigned goal.				
Reports status of objective to supervisor.				
Total steps candidate must complete to pass:	12	Total		

◆ **Critical Step** - Failure on this step results in failure of the entire skill.

Candidate Name _____

1st Evaluator Signature _____ Date _____

2nd Evaluator Signature _____ Date _____



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Objective(s): 6.6.3.1(2)(j), 6.6.4.1(3)(j) NFPA Standard 472 2008 Edition

INSTRUCTIONS TO THE PROCTOR/EVALUATOR

1. The candidate must indicate that they have been instructed how to perform this skill. A negative answer is an immediate failure. No second attempt is allowed. **This step doesn't count for the total number of steps the candidate must complete.**
2. The candidate may perform this skill in either structural firefighter protective clothing or liquid-splash protective clothing (Level "B").
3. The evaluator may select banking, raining, or pushing as a foam application. The same application must be used by all candidates.
4. The evaluator must provide the reading/results of monitoring that candidates verbalize they would perform.

Proctor/Candidate Comments

I was informed of the task steps missed that resulted in the failure of this skill and the OSU-FST re-test policies.

Candidate Signature

Date