



Hazardous Materials Technician Certification

Skill # 6 **Sampling Solids, Liquids, and Gases**

Maximum Time Allowed: **10 min.**

INSTRUCTIONS TO THE CANDIDATE

The candidate working as a member of a two man team shall demonstrate methods for collecting a sample of a solid, liquid, and a gas.

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.				
♦ Candidate insures personal safety and avoiding contamination of samples.				
♦ Candidate collects the samples from an upwind position.				
♦ Candidate shall record the type of container the sample is being drawn from, including container markings, and any reactions or other relevant information.				
♦ Once sample is properly collected, the candidate will take the sample to a safe testing location at the edge of the hot zone but not in warm zone.				
<i>The candidate can verbalize taking the sample to the warm zone.</i>				
♦ Certifies any materials and equipment used for evidence collection is certified "clean" and kept sealed until used.				
<i>The candidate can verbalize that the equipment is certified as "clean".</i>				
♦ If sample is part of a criminal or regulatory investigation, chain of custody procedures are followed and documented including any photographs.				
<i>The candidate can verbalize that "chain of custody" procedures would be followed is used in an investigation.</i>				
Collection of Samples				
<i>Stainless steel spoons, scoops, scalpels, and spatulas can be used.</i>				
Material 1 (Solid)				
♦ Candidate selects appropriate equipment.				
<i>Transfer pipettes, syringes, and tubing. (Coli-wasa waste sampler)</i>				
Material 2 (Liquid)				
♦ Candidate selects appropriate equipment.				
<i>A gas sample bag may be used to draw sample.</i>				
Material 3 (Gas)				
♦ Candidate selects appropriate equipment.				
♦ Samples properly handled, secured, and marked in appropriate container.				
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): 7.2.1.5(1-3)

NFPA Standard 472 2008 Edition

INSTRUCTIONS TO THE PROCTOR/EVALUATOR

1. 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. PPE should be a minimum of level B with chemical/latex gloves (as appropriate)
3. Candidate should verbalize steps as they take samples. The evaluator may ask the candidate to verbalize the steps they would use to obtain a sample.
4. Evaluator will direct the candidate to verbalize proper storage of container samples.

Equipment Needed:

Nonsparking Bung Wrench

Glass tube or disposable polypropylene/PVC
bailer

Coli-wasa waste sampler

Nonsparking sample pole, extendible to 10 feet

Glass and plastic sample cups and bottles.

(Glass used for chemical samples, plastic used
for bio samples.)

Transfer pipettes

Dacron swabs

Parafilm

Evidence tape

Plastic bags

Syringes and tubing

Stainless steel spoons

Scoops

Scalpels

spatulas

Three glass containers (jars with lids)

Grease pencil with dry erase board.

pH Strips

RAE System Gas sample kit

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



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