

NC FIRE and RESCUE COMMISSION
Firefighter Level II
Practical Skill Scenarios

1 of 2: FOAM FIRE STREAMS ASSEMBLY AND OPERATION

NFPA 1001, 6.3.1

Performance Objective: The firefighter, given the proper equipment, shall assemble and properly operate a foam fire stream arrangement.

Performance Evaluation: The evaluator should determine the type of foam generating equipment used by the authority having jurisdiction and gather the equipment and a pumper. The evaluator will provide for assistance as necessary. The candidate will assemble the equipment and, with assistance as necessary, operate the equipment.

Instructor's Statement: The student shall correctly assemble and operate a foam fire stream arrangement utilizing the equipment provided.

Recommended Equipment List:

NC FIRE and RESCUE COMMISSION
Firefighter Level II
Practical Skill Scenarios

STUDENT'S NAME _____

ID# _____

EVALUATOR _____

DATE _____

FOAM FIRE STREAMS ASSEMBLY AND OPERATION

SCORING

	YES	ADD
a) Selects the proper foam to be used.	<input type="checkbox"/>	10
b) Checks the eductor and nozzle to make sure that they are compatible.	<input type="checkbox"/>	10
c) Ensures the foam concentration matches the-eductor percentage rating.	<input type="checkbox"/>	10
d) Adjusts eductor if applicable.	<input type="checkbox"/>	10
e) Attaches eductor to hose of proper size.	<input type="checkbox"/>	10
f) Avoids kinks in the hose.	<input type="checkbox"/>	5
g) Ensures valves on outlets are fully open.	<input type="checkbox"/>	5
h) Attaches attack hose line and nozzle to the discharge end of eductor.	<input type="checkbox"/>	10
i) Opens the foam bucket.	<input type="checkbox"/>	10
j) Places eductor suction hose into the foam.	<input type="checkbox"/>	10
k) Increases water supply pressure as required by the eductor.	<input type="checkbox"/>	10

POINTS

Total points possible for this evaluation skill: 100

Total points needed to pass: 70

Total points scored by the candidate: _____

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2 of 2: FOAM FIRE STREAMS APPLICATION METHODS

NFPA 1001, 6.3.1

Performance Objective: The candidate, wearing full protective gear and given a simulated or real fire scenario involving flammable liquids, shall demonstrate the methods for applying a foam fire stream to extinguish the burning fuel.

Performance Evaluation: The evaluator should arrange for an area suitable for the evolution. If a simulated fire is to be used no other-special requirements are necessary. If an actual fire is to be extinguished, the evaluator will also need to arrange for the fuel, appropriate burn permits, and the necessary assistance for safe operation. All live fire evaluations will follow NFPA 1406 Standard for Outside Live Fire Training and FST Standard Operating Procedures. Written approval from FST staff will be required prior to any live fire evolutions conducted by field evaluators. The evaluator should gather the appropriate foam generating equipment utilized by the authority having jurisdiction and have the equipment properly assembled and tested. After the fire is ignited or the simulation has begun, the candidate, wearing full protective equipment, will demonstrate the methods of application with the equipment supplied.

Instructor's Statement: The student shall correctly demonstrate the appropriate methods for utilizing a foam fire stream to extinguish a real or simulated fire.

Recommended Equipment List:

NC FIRE and RESCUE COMMISSION
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STUDENT'S NAME _____ ID# _____

EVALUATOR _____ DATE _____

FOAM FIRE STREAMS APPLICATION METHODS

SCORING	YES	ADD
a) Wears full protective gear and SCBA.	<input type="checkbox"/>	10
b) Ensures that the foam matches the fuel being applied to.	<input type="checkbox"/>	10
c) Opens nozzle to ensure generation of foam.	<input type="checkbox"/>	10
d) Advances to a safe distance from the fire.	<input type="checkbox"/>	10
e) Applies agent on the fuel in an indirect method.	<input type="checkbox"/>	
f) Bounces agent off walls or other obstructions.	<input type="checkbox"/>	10
g) Applies the agent in front of the burning fuel and "rolls" the agent onto the fuel.	<input type="checkbox"/>	10
h) In the absence of a wall or obstruction, gently lobs the agent onto the burning liquid.	<input type="checkbox"/>	10
i) Applies the agent in a sufficient rate and amount to extinguish the fuel.	<input type="checkbox"/>	10
j) Takes care not to approach too close to the burning fuel.	<input type="checkbox"/>	10
k) Takes care not to disturb the foam blanket or splash fuel with direct application of the foam stream.	<input type="checkbox"/>	10

POINTS

Total points possible for this evaluation skill: 100
Total points needed to pass: 70

Total points scored by the candidate: _____