



# Skill FF2-50: Place a Foam Line in Service – In-Line Eductor

Candidate #: \_\_\_\_\_

## INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate PPE and provided the necessary equipment, demonstrate setting up an in-line proportioner and generating foam through a hose line.

Skill FF2-050 - NFPA 5.3.1 – Chapter 18, IFSTA Essentials 7 <sup>th</sup> Edition	1 <sup>st</sup>	2 <sup>nd</sup>
<b>1. Select the proper type and quantity of foam concentrate for the fuel involved.</b>		
2. Place the foam concentrate at the eductor.		
3. Check the eductor and nozzle for hydraulic compatibility (rated for the same flow).		
<b>4. Adjust the eductor metering valve to the same percentage rating as that listed on the foam concentrate container.</b>		
5. Attach the eductor to a hose capable of efficiently flowing the rated capacity of the eductor and the nozzle.		
6. Attach the hose line and nozzle to the discharge end of the eductor. Ensure that there are no kinks in the hose.		
7. Place the eductor suction hose into the foam concentrate.		
8. Open the nozzle.		
9. Increase the water supply pressure to that required for the eductor. Consult the manufacturer’s recommendations for the specific eductor.		
<b>10. Completes necessary documentation and reports.</b>		
<b>YELLOW BOLD indicate a CRITICAL step and any unsafe act constitutes a failure of skill.</b>		
<b>Points needed:</b>	<b>7/10</b>	
<b>Performed Safely</b>	<b>Y/N</b>	<b>Y/N</b>

Evaluator comments:

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## Skill FF2-51: Extinguish an Ignitable Liquid Fire

Candidate #: \_\_\_\_\_

### INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate PPE and provided the necessary equipment, demonstrate extinguishing a liquid fire using foam.

Skill FF2-051 - NFPA 5.3.1 – Chapter 18, IFSTA Essentials 7 <sup>th</sup> Edition	1 <sup>st</sup>	2 <sup>nd</sup>
<b>1. Size up the incident scene.</b>		
<b>2. Identify an escape route.</b>		
<b>3. Verify that the foam type and concentration are appropriate for the fuel, fire, and environmental conditions.</b>		
4. Verify that the attack line is functioning and ready by producing a small amount of foam.		
5. Extend the hose line to the point of fire attack. Approach from uphill and upwind.		
6. Choose method of foam application:		
a. Rain Down Method: Directs the foam stream into the air above the fire or spill so that the foam floats gently down onto the surface of the fuel. Maintain the stream until foam spreads across the entire surface of the fuel.		
b. Bank Down Method: Direct the foam stream onto a nearby elevated object and allow the foam to run down onto the surface of the fuel. Maintain the stream until foam spreads across the entire surface of the fuel.		
c. Roll-On Method: Direct the foam onto the ground near the front edge of the fire so that foam rolls across the surface of the fuel. Maintain the stream until foam spreads across the entire surface of the fuel.		
<b>7. Direct the stream away from the pool of liquid before shutting it down. Does not spray into the liquid product.</b>		
<b>8. Retreat to safety by backing away while facing the fire.</b>		
9. Monitor the fire for reignition and reapply foam as necessary.		
<b>YELLOW BOLD indicate a CRITICAL step and any unsafe act constitutes a failure of skill.</b>		

Points needed:	6/9	
Performed Safely	Y/N	Y/N

Evaluator comments:

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# Skill FF2-52: Control a Pressurized Flammable Gas Container Fire

Candidate #: \_\_\_\_\_

## INSTRUCTIONS TO THE CANDIDATE

Wearing appropriate PPE and a crew with 2 hand lines, direct the approach and operations to control a flammable gas fire, reduce likelihood of BLEVE, and to shut off the main gas valve.

Skill FF2-052 - NFPA 5.3.3 – Chapter 18, IFSTA Essentials 7 <sup>th</sup> Edition	1 <sup>st</sup>	2 <sup>nd</sup>
<b>1. Size up the incident scene.</b>		
<b>2. Identify an escape route.</b>		
3. Deploy handlines		
<b>a. Bleed air from the handlines.</b>		
<b>b. Ensure there is adequate hose line to reach the container.</b>		
c. Estimate and maintain adequate waterflow.		
4. Cool the cylinder or storage tank by applying a straight stream to the container.		
5. Extend hose lines to isolate the control valve.		
<b>a. Approach from uphill and upwind.</b>		
b. Push flames away from the valve with a fog stream. <i>Caution: If the team is unable to push flames away from the valve, immediately withdraw to a safe location and continue to cool the container.</i>		
<b>6. Close the control valve while remaining in between the two hose teams. <i>Does not reach through the streams.</i></b>		
7. Cool the container from a safe distance.		
a. Withdraw the hose lines.		
b. Apply a straight stream to the container.		
<b>8. Retreat to safety by backing away from the container. <i>Always facing the fire.</i></b>		
<b>YELLOW BOLD indicate a CRITICAL step and any unsafe act constitutes a failure of skill.</b>		
<b>Points needed:</b>	<b>9/12</b>	
<b>Performed Safely</b>	<b>Y/N</b>	<b>Y/N</b>

Evaluator comments:

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