

CLASS "A" FOAM OPERATIONS		TROY FIRE DEPT. TACTICAL PLAN 208.04.02	
<i>Issue</i>	<i>12/03</i>	<i>Revised</i>	<i>10/13</i>
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This plan will outline the basic operational procedures to be followed when the Fire Department uses Class A foam.

Class A foam is formulated for use only on fires involving Class A materials, such as wood, paper, and similar materials. Class A foam must not be used on fires involving flammable liquids. It will not effectively extinguish a flammable liquid fire at any percentage.

A. EQUIPMENT

1. Each pumper has an onboard Class A foam system installed. This system consists of the following:
 - a. A 20 gallon foam tank installed with the 1,000 gallon water tank.
 - b. A foam controller on the pump panel.
 - c. Outlets labeled on the pump panel indicating where Class A foam will be delivered.

B. OPERATION

1. The default setting for Class A foam on each pumper is ON. Class A foam can be turned OFF/ON with the RED button on the controller. The controller will deliver foam at a percentage of .5%. No other steps are needed.
2. Foam will be delivered to all of the pre-connected hoses. Foam cannot be delivered to any other outlets.
3. No changes need to be made to the foam controller. If changes are made, when the unit is turned off, and back on, it will return to its default program.

C. TACTICAL CONSIDERATIONS

1. Class A foam can be used on any fire where Class A material is burning, such as structures, cars, or dumpsters.
2. Class A foam provides two advantages over plain water:
 - a) The foam solution soaks into the burning material, extinguishing smoldering fires more effectively than water alone.
 - b) The foam concentration sticks to surfaces helping to prevent re-ignition.
3. Class A foam has a shorter application time, however, compared to water due to the limited on-board supply. Application, therefore, should be used appropriately to ensure effectiveness.

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D. FIRE ATTACK

1. Fire attack with Class A foam is performed the same way as fire attack with plain water.
2. For smaller fires, such as dumpster fires, car fires, and even room and contents structure fires, Class A foam can make fire attack more effective in less time, using less water and minimizing water damage.
3. For larger fires, such as large truck fires and well-involved structure fires, plain water should be used first, to knock-down the fire, followed by Class A foam to complete extinguishment, ensuring enough foam is available for more effective overhaul.

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