



# ABINGTON TOWNSHIP FIRE DEPARTMENT

OG – 300-103

## Use & Storage of PFAS Free Firefighting Foam

### 1.0 PURPOSE

This policy establishes the guidelines for the use and storage of PFAS Free Firefighting Foam at ATFD incidents.

The ATFD has removed from service Aqueous Film Forming Foam (AFFF) for all incidents and has properly disposed of its stores of AFFF through Montgomery County Department of Public Safety. In place of AFFF, for all incidents involving hydrocarbons or polar solvents (such as alcohols, ketones, esters, and ethers) where a vapor suppressing foam blanket is required to mitigate an incident, ATFD fire companies shall use Universal Green Fluorine Free Foam concentrate, which is PFAS free.

### 2.0 RESPONSIBILITY

The responsibility to ensure that the above actions are taken in an appropriate manner are defined as indicated below:

**2.1** Company Members (CM)

**2.2** Company Officers (CO)

**2.3** Document Control Administrator (DC)

### 3.0 PROCEDURE

#### 3.1 Use of Universal Green Alcohol Resistant Fluorine Free Foam Concentrate

**3.1.1** Universal Green is an Alcohol Resistant Fluorine Free Foam (AR-F3) that should be used in situations where Class B foam is required to produce a vapor suppressing foam blanket to prevent the ignition of hydrocarbon and/or polar solvents.

**3.1.2** Proportioning of Universal Green is **NOT** dependent upon the type of Class B fuel encountered. The manufacturer recommends a 3% proportioning rate to be used with an air aspirating foam nozzle appliance.

**3.1.3** Prior to starting the foam operation, the In-Line Foam Eductor should be set to 3% proportioning then inserted into the 5-gallon bucket of foam concentrate.

**3.1.3.1** A 5-gallon bucket of foam concentrate using a 95gpm eductor will empty in approximately 1 minute and 45 seconds.

**3.1.4** The foam blanket should be applied as directed by the Incident Commander or their designee.

### **3.2 Storage of Universal Green AR-3F Concentrate**

**3.2.1** The manufacturer recommends that Universal Green AR-3F Concentrate be stored in its original shipping container.

**3.2.2** The recommended storage environment is within the temperature range of 35-120 Degrees Fahrenheit.

### **3.3 Foam Reserves and Replacement**

**3.3.1** A minimum of ten (10) 5-gallon buckets of foam concentrate shall be maintained in reserve at all times at the ATFD Storage Facility.

**3.3.2** The foam reserve may be used in the event of a large incident where additional foam concentrate may be required.

**3.3.3** In the event that any of the foam reserves are used, the fire company utilizing the reserves shall notify the Director of Fire & Emergency Management so that the reserve can be replenished.

**3.3.4** If an ATFD Fire Company uses it's store of foam concentrate at an incident, they may immediately replenish their store from the foam reserve, and notify the Director of Fire & Emergency Management so that the reserve can be replenished.

## **4.0 RECORDS**

### **4.1 Master Document Listing**