



## VEHICLE TRANSITION PROCESS FROM LEGACY FOAM (AFFF) TO FLUORINE FREE FOAM (SFFF) CONCENTRATE

### THIS DOCUMENT IS A RECOMMENDATION PROCESS ONLY

- **Follow all vehicle manufacturer recommendations as well as all Local, State and Federal environmental policies. They will supersede NF recommendation process.**
- Secure Vehicle in a location to contain all foam products and rinse water
- Ensure enough containers available to catch and store all products and rinse products from Vehicle Foam Tank.
- Ensure the following equipment is available
  - Containers (for legacy foam concentrate and rinsate water)
  - Hoses and correct adapters
  - Diaphragm Transfer Pump
  - Water supply with hoses and adapters
  - Air movers (leaf blowers, Wet Vacuum, Air Compressor with High Flow discharge nozzles)
  - New Foam
- Ensure lid to foam cell / tank is open
- Drain main foam tank from master drain or concentrate discharge
  - Capture all product into waste containers
- Open all foam concentrate drains from proportioner
- Ensure visually tank is drained
- Close all drains once tank is verified empty
- Close all lid and verify all connections are closed and secure
- Initial rinse with water with flushing to collection point.
- Add small amount of water back into foam tank, and collect approximately 8 – 12oz from the bottom master foam tank drain, place lid on container and shake. If foam large volume of foam appears in container repeat water rinse cycle. Note\*\* some “soapy solution may continue to appear; this may be acceptable results to move to next step.
- Complete foam concentrate draining and successful flushing of tank system
- Pull Vehicle back into secure location
- Ensure level of storage tank decontamination meets all local, State and Federal requirements.
- Once cleaning process has been completed ensure all drains and lid are open
- Introduce Air-drying of tank and associated foam concentrate lines.
- Remove all remaining water from tank system
- Once air drying process has been completed close all drains
- Begin the foam concentrate loading process per vehicle specifications
  - Note if you load foam via an external pump process do so slowly so not to agitate concentrate and delay process for concentrate to settle.

- Agitation of foam concentrate and/or air induction will create bubbles and slow the filling process
- Once foam tank has been filled, drain approximately 5 – 10 gallons of concentrate depending on size of tank, through the various piping to purge the system of remaining water.
- Top off Tank with new concentrate
  - Fill the tank to the cap to reduce any air in the tank which may cause evaporation of the foam concentrate.
- We recommended that you perform a foam system proportioning test to ensure proper calibration of proportioner.
- Vehicle is now ready to be placed in operation,
- Total process time estimated 4 – 8 hours pending on vehicle, equipment available, and work force