

LANCASTER FIRE DEPARTMENT

TRAINING OBJECTIVES



TRAINING: Motor Vehicle Fire Extinguishment

LESSON:

This lesson plan will serve to teach and practice the proper skills for extinguishing motor vehicle fires.

DESCRIPTION:

This lesson plan will involve live fire evolutions for practicing motor vehicle fire extinguishment. Designated motor vehicles will be prepped for safety purposes. The motor vehicles will be set afire for repeated evolutions using straw only as the fuel source.

For each evolution, a 3-person engine crew will demonstrate the proper skills and techniques for extinguishing and overhauling a burning motor vehicle. Each engine company will include a Nozzle Firefighter/Crew Leader, a First Back-Up Firefighter, and a 2nd Back-Up Firefighter.

EQUIPMENT:

2 – Class A Fire Engines; 1 Primary Attack engine and 1 Water Supply Engine (backup)

2 – 1 ¾” attack lines (150 or 200’) with combination fog nozzles

2 – Sets of Irons

2 – 6’ Pike Poles

Full PPE & SCBA for each firefighter

10 – 12 Bales of dry straw

Designated Automobiles

EVOLUTIONS:

NOZZLE FIREFIGHTER/CREW LEADER

1. Wears full protective clothing, utilizes positive pressure SCBA, and PASS device on.
2. Sets nozzle for a straight stream pattern with a minimum flow of 95gpm (150 max).
3. Slowly opens the nozzle fully, prior to approaching the vehicle, to expel air and test the stream pattern.
4. Assures other two firefighters are on the same side of the hose line and ready to approach.
5. Advances from uphill, upwind, and from the side of the vehicle if possible.
6. Advances closed hose line to approximately 100 feet from vehicle.
7. Slowly opens the nozzle.
8. Properly and safely manages fire stream to cool vehicle hazard area. (Fuel tanks, engine compartment through radiator, tires, split rims, bumpers, air suspension systems, drive shafts, etc.)
9. Extinguishes surrounding fires if present.
10. Cools exposures if present.
11. Increases fog pattern size (to about 30 degrees) as distance to vehicle is reduced.
12. Orders first backup firefighter to open vehicle compartments (hood, door, & trunk).
13. Extinguishes fire as exposed.
14. Communicates fire conditions and crew integrity to Command.
15. Assures fire is overhauled and extinguished.

FIRST BACKUP FIREFIGHTER

1. Wears full protective clothing, utilizes positive pressure SCBA, and PASS device on.
2. Takes a position on the same side of the hose line relative to the nozzle firefighter.
3. Carries a forcible entry tool.

4. Advances hose line based on the need of the nozzle firefighter.
5. Removes kinks in hose line during advancement.
6. Joins the nozzle firefighter once the hose line is in position.
7. Upon order from the nozzle firefighter, opens vehicle compartments. (Hood, door(s), trunk).
8. Overhauls burning materials with the tool.
9. Orders the nozzle firefighter back to wet burning materials, if necessary.
10. Assures fire is overhauled and extinguished.

SECOND BACKUP FIREFIGHTER

1. Wears full protective clothing, utilizes positive pressure SCBA, and PASS device on.
2. Takes a position on the same side of the hose line relative to the nozzle firefighter.
3. Carries a forcible entry tool.
4. Advances hose line based on the need of the first backup firefighter.
5. Removes kinks in hose line during advancement.
6. Remains back away from the first backup firefighter in preparation to advance more hose.
7. Moves up to origin if called by the nozzle, first backup firefighter, or once the need for more hose ceases.
8. If safe, properly disconnects battery from the vehicle. (Negative side first)
9. Assists first backup firefighter with opening vehicle compartments. (Hood, door(s), trunk)
10. Assists with overhauling burning materials.
11. Assures fire is overhauled and extinguished.

EVALUATION: