MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM

Practical **A**pplication **G**uide **S**heet

Aerial Ladder – Elevated Master Stream – Detachable

Driver Performance Competency: The driver candidate shall display proficiency in deployment and operation of an elevated master stream either from a detachable ladder pipe nozzle or a fixed waterway system.

Detachable Ladder Pipe Nozzle

1. Position apparatus on a firm, level surface within stream reach of fire. Ensure that there are no overhead obstructions and that the apparatus is outside the collapse zone. _____

2. Transfer power from the drive train to the hydraulic system by operating the selector valve to transfer hydraulic power from the stabilization system to the aerial device system. _____

3. Set the stabilizers. _____

4. Prepare the ladder pipe for attachment to aerial ladder. Center the pipe on top two aerial ladder rungs. _____

5. Attach operational ropes to ladder pipe with appropriate knots and make sure that they will hang to the ground when the aerial ladder is raised. _____

6. Set appropriate nozzle stream – fog or straight on end of nozzle. _____

7. Attach the ladder pipe and hose to the aerial ladder with a short piece of rope or webbing. _____

8. Attach supply hose to aerial ladder – 3" or 3 ½" hose run down the center of the ladder, lashing hose to ladder at least once every 15-20 feet. _____

9. Attach Siamese appliance to the opposite end of the ladder pipe supply hose. _____

10. Attach supply hose to the Siamese from pumper or other water supply source. _____

11. Raise the aerial ladder to the desired operational position – check for overhead obstructions before lifting the aerial ladder from the bed. _____

12. Engage the aerial ladder locks. _____

13. Check the ladder pipe control ropes to ensure that they hang down freely and will allow the ladder pipe to be moved up and down. _____

14. Charge the waterway and operate the fire stream - solid stream nozzles are operated at 80psi and fog streams are operated at 100psi. _____

15. Tighten any leaking coupling connections. _____

16. Adjust as necessary, stop flow before repositioning or before a firefighter climbs to the tip. _____