CUMBERLAND TRAIL FIRE DISTRICT #4
STANDARD OPERATING MANUAL

Section: 11 **Fire Ground Operations**

Subject: 11.04 **Attack Lines**

Original Date: 01/01/1990 Last Date Revised: 02/03/2025

OBJECTIVE

Let this document serve as formal literature for deploying and repacking district attack lines. “The fire goes as the first line goes.” This quote sums up the fact that to effectively put water on a fire, crews must properly and efficiently deploy the appropriate handline for suppression. This is greatly dependable on correctly reloading these lines. To do this, a firefighter must have practical training on both repacking and deploying. This document will cover useful facts and terminology as well as the step-by-step process of these actions.

ATTACK LINE SELECTION CONSIDERATIONS

1. Size of the incident building and potential life hazard.
2. Percentage of fire involvement within the incident building.
3. Potential percentage of fire involvement within the incident building.
4. Proximity and size of potential exposures.
5. All lines should have a backup line and this line should be equal to or greater than the initial line.

GENERAL

1. All district attack lines other than the front bumper trash lines are considered “modified minuteman lines”.
   a. These lines range from 150ft to 400ft. They can be deployed by 1-3 firefighters depending on length and manpower.
   b. When deploying, the nozzle section will always rest on the nozzleman’s shoulder and feed off the top of the section.
   c. This also applies to the 2nd shoulder load (minus the nozzle) when deploying the 400’.
   d. Drag sections are 50-150 ft sections without a nozzle that are deployed by pulling a large loop allowing the hose to fall to the ground and be flaked out.
2. What is unique with this load is the wrapped nozzle on the bottom of the line. This nozzle wrap protects the nozzle from damage and keeps it secure when the line is being deployed.
   a. To make this nozzle wrap, hold the nozzle facing you and feed the hose under the nozzle across the bed.

b. Instead of placing a fold after the first lay, tightly wrap the section of hose around the nozzle.
c. Remember to stop your next fold behind the bale to assist in leveling out the nozzle section.
d. After this short fold, resume laying the hose as normal.

3. Attack lines (1 ¾) are color coded to assist in determining which nozzle is on the line.
   a. Red lines indicate that the fog attachment is on the nozzle.
   b. Blue lines indicate smooth bore nozzles with the option to add the fog attachment.
   c. Orange lines indicate the 400ft. lines and are equipped with 7/8 smoothbore nozzles that can deliver 161GPM.
4. All nozzle sections will be placed against the hose divider. There are no exceptions.
   a. The nozzle will always be to the middle when approaching the hose bed. This allows the lines to be easily connected left to right.
5. The modified minuteman has 2 different size loops that are placed in the load.
   a. Large loop indicates that section is the drag.
   b. Small loop indicates that section is the nozzle section. This aids in grasping the section when preparing to pull.

DEPLOYMENT AND REPACK FOR EACH APPARATUS

1. LADDER 23

a. 150’ Modified Minuteman Deployment
   i. To deploy, begin by flipping up the vinyl cross-lay cover and choosing the desired 150-foot line.
   ii. Shoulder load either just the nozzle section or the nozzle and middle section. Allow the nozzle to hang at waist level.
   iii. After clearing the hose-bed, the nozzle firefighter will then turn and grasp the drag section (designated by a large loop) and deploy it from the bed.
   iv. The nozzleman will then advance the line allowing the hose to flake from the top of the shoulder load ending with the wrapped nozzle. The nozzleman also has the option to dump the line on the ground to advance the nozzle and the coupling to the desired location.

b. 150’ Modified Minuteman Repack
   i. To repack this line, Ladder 23’s aerial must be raised to allow the line to be fed across the tray.
   ii. Lay all three sections at the base of the hose bed.
   iii. Begin by laying a 50 foot drag section with a large loop opposite of the divider ending with the male coupling on top. Remember to place one fold on each side before making the large loop.

iv. Next, start the middle section by dangling the male coupling at or near the step plate or pump panel. Simply flat load the rest of the middle section ending with the female coupling on top.
v. To lay the nozzle section, perform the nozzle wrap, feeding from the bottom, and then flat loading on the top, ending with the female coupling on top.
vi. To finish the load, connect the sections left to right. Drag section male to the female coupling on top of the middle section and the male dangle from the middle section to the female coupling on top of the nozzle section.
vii. Finally, dress the hose for proper deployment.

2. ENGINE 233

a. 200' Single Stacked Minuteman Deployment
   i. To deploy, the firefighter will approach the desired handline, turn facing away from the apparatus, and shoulder load the nozzle section from the top of the stack allowing the nozzle to rest near his or her mid-section.
   ii. Next, the firefighter will turn and deploy the drag section from the bed allowing it to fall to the ground.
   iii. The firefighter will then advance the handline allowing the hose to feed from the top of the shoulder loaded nozzle section. While advancing, the operator or second firefighter should be flaking out the drag section.

b. 200' Single Stacked Minuteman Repack
   i. To repack this line, begin by connecting the female coupling to the pony section and placing one fold on each side of the bed.
   ii. Next, place a large loop and continue laying this section ending with a male coupling on top.
   iii. Flat load the next 50' ending with a male coupling dangling on the opposite side of the bed at the intake.
   iv. Next load the nozzle section beginning with a nozzle wrap and ending with a female coupling on the top of the section. Add an additional 50' to the nozzle section ending with a female coupling on top.
   v. To finish this load, connect the male dangle to the female coupling on top of the nozzle section.
   vi. Simply dress

3. RESCUE 23

a. 200' Double Stacked Minuteman Deployment
   i. Begin by approaching the apparatus and selecting the desired hose line.
   ii. Face away from the apparatus and feed the nozzle section (shoulder load) onto your shoulder allowing the nozzle to rest at your mid-section. Keep the section tight.
   iii. Step forward, clearing the shoulder load from the hose bed.

iv. Next, the nozzleman reaches back and grabs the loop on the drag section and deploys it.
v. The nozzleman can then advance the line allowing it to flake off the top of the load.

b. 200’ Double Stacked Minuteman Repack
i. To rerack this line, begin by removing the poly tray and place it to the side of the apparatus.
ii. Next, begin laying your drag section by feeding the female coupling approx. 4 feet past the end of the poly tray. Still place one regular fold on the drag.
iii. Place a large loop to indicate the drag section.
iv. Flat load 50 feet of hose ending with a male coupling on top.
v. Begin your nozzle section by wrapping the nozzle and then flat loading 50ft on top of the nozzle.
vi. Add 50 feet of hose to both the shoulder and nozzle sections ending with the male and female couplings on top.
vii. Connect the couplings on top of the load.
viii. Utilize a team lift to lift the poly try and connect the overhanging female coupling to the male pony section coupling.
ix. Slide the tray into the bed and ensure the pony section lays appropriately on top allowing a smooth and successful stretch.

4. ENGINE 232

a. 200’ Double stacked Minuteman
i. Begin by approaching the apparatus and selecting the desired hose line.
ii. Face away from the apparatus and feed the nozzle section (shoulder load) onto your shoulder allowing the nozzle to rest at your mid-section. Keep the section tight.
iii. Step forward, clearing the shoulder load from the hose bed.
iv. Next, the nozzleman reaches back and grabs the loop on the drag section and deploys it.
v. The nozzleman can then advance the line allowing it to flake off the top of the load.

b. 200’ Double Stacked Minuteman Repack
i. To rerack this line, begin by removing the poly tray and place it to the side of the apparatus.
ii. Next, begin laying your drag section by feeding the female coupling approx. 4 feet past the end of the poly tray. Still place one regular fold on the drag.
iii. Place a large loop to indicate the drag section.
iv. Flat load 50 feet of hose ending with a male coupling on top.
v. Begin your nozzle section by wrapping the nozzle and then flat loading 50ft on top of the nozzle.

vi. Add 50 feet of hose to both the shoulder and nozzle sections ending with the male and female couplings on top.
vii. Connect the couplings on top of the load.
viii. Utilize a team lift to lift the poly try and connect the overhanging female coupling to the male pony section coupling.
ix. Slide the tray into the bed and ensure the pony section lays appropriately on top allowing a smooth and successful stretch.

DEPLOYMENT AND REPACK FOR THE 400' ATTACK LINE AND 100' FRONT BUMPER TRASH LINE

1. **400' 1 ¾" Preconnected Attack Line**
   a. Deployment
      i. To deploy the 400, the nozzleman addresses the nozzle load, and pulls the load, placing it on his shoulder until the nozzle sits at a comfortable position near his midsection. It is imperative that the nozzleman then steps away from the apparatus only a few feet and then stops to await the second member. The nozzleman should keep his hand on top of the load to prevent losing any hose.
      ii. The next member shoulder loads the middle section in the same manner as the nozzle man. If no other members are available for the evolution, the second member, after clearing the middle load, turns and pulls the ear of the drag load and clears this load to the ground.
      iii. If a third member is available to deploy the drag load, he has the option of pulling it out to the ground at the rear of the apparatus or pulling approximately half of the drag load out and inverting it so the hose will pay off his shoulder for a more efficient stretch.
      iv. The 400' line must be laid in a manner that dictates that the nozzle man is the last member to deploy his shoulder load.
   b. Repacking
      i. To place the line back on the apparatus, the line is racked starting with a female being connected to the discharge. After one layer is placed in the hose bed, the next layer has a large ear to facilitate deploying the drag load. When this first 50' is racked, leave the male end of the hose on top of the load.
      ii. The next step, and a very vital step in this procedure, is to start with a male coupling. Lay this coupling on the ground and rack the middle section ending with a female coupling on top at the rear.
      iii. The next step is to place the nozzle on a male coupling and utilize a "wrap" while putting the nozzle in the hose bed to allow the efficient deployment of the nozzle load. After this 50' is laid in the bed, leave the female coupling on top of the lay in the same manner as packing the middle load.

iv. The next step is to return to the drag load and rack another 50’ to it, leaving the male coupling on top.
v. Next members will add 50’ to the middle load and leave the female coupling on top.
vi. The next step is to add the final 50’ of hose to the nozzle load and leave the female coupling on top.
vii. The final stage starts with the last 50’ racked to the drag load and again leaving the male coupling on top.
viii. The last section of hose to be racked will be the 50’ added to the middle section with its female coupling on top.
ix. To end the procedure, the couplings will be joined in this specific order to ensure the hose load is one continuous 400’ line from discharge outlet to the nozzle. The male coupling that was dangling to the ground from the middle section is hooked to the female coupling that is on top of the nozzle load.
x. Finally, the female on top of the middle section is coupled to the male on top of the drag load to complete the procedure.

2. 100’ 1 ¾” Front Bumper Trash Line

a. Deployment
   i. To deploy E233, E232, and R23’s front bumper line, begin by unbuckling any securement straps or lifting the hose tray cover.
   ii. The firefighter will then grab both the nozzle and the tail.
   iii. Next, the firefighter will advance the hose line ending with both 50’ sections flaked out.

b. Repacking
   i. Begin repacking this hose load by connecting a female coupling to the discharge. If necessary, account for the bend near the female coupling if the apparatus has a lid to the tray.
   ii. Next, simply perform a flat load for the first 50 feet, ending with the male coupling off to the side of the tray.
   iii. Connect the next 50’ to the male coupling forming a “tail”.
   iv. Then flat load the last 50’ ending with the nozzle on top.
   v. Fold the tail on top of the load and secure with straps.

REVIEW HISTORY

Section: 11 Fire Ground Operations

Subject: 11.04 Attack Lines

DATE	REVIEWED BY	COMMENTS
11/2024	Captain Rife	Complete Policy Re-Write
11/17/2024	Captain Kyer	Re-Organizing SOP Layout
01/28/2025	Officer Review	Officer Review
02/03/2025	Chief Hall	Out for Dissemination