

# Blackwood Fire Company

## 400' Line Deployment/Restoration Training Module



# Specifications

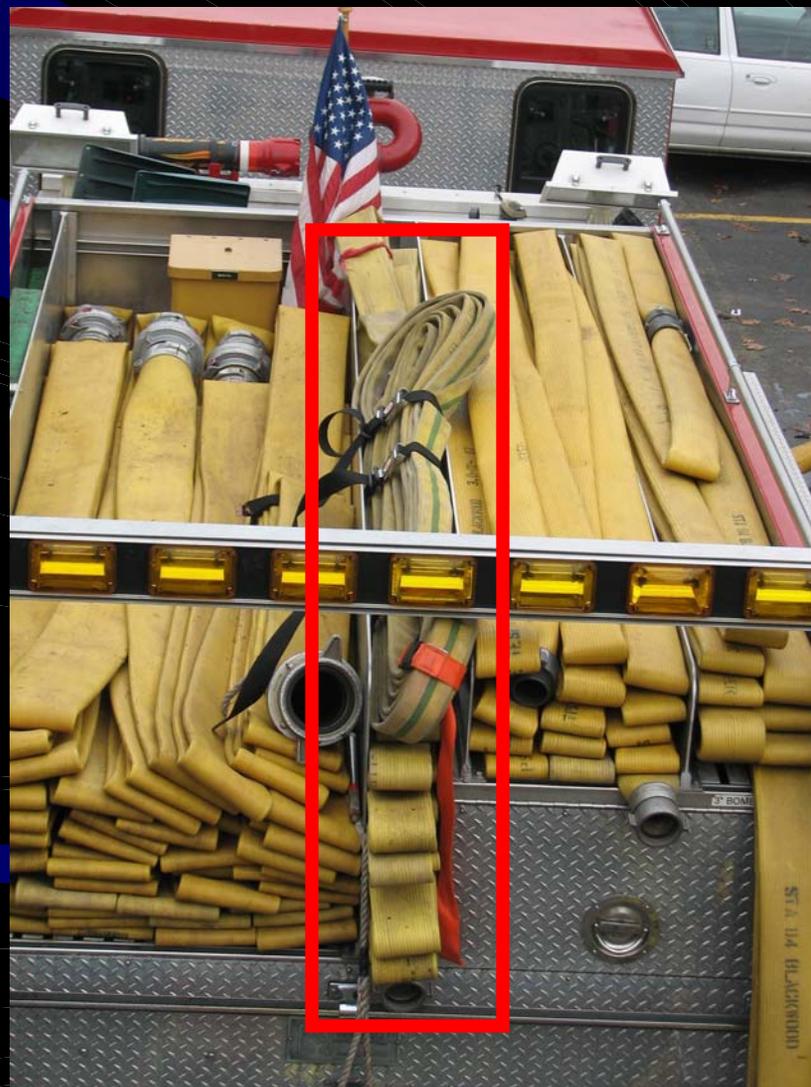
- 100' of 1 ¾" hose with a 15/16" smooth bore nozzle, pre-connected to 300' of 3" hose via a single shutoff gated wye
- Located in the rear hose beds of E-841 and E-842.
- 3" hose is not pre-connected



# Benefits

- Adds additional versatility for structural firefighting.
- Longer line for situations where the 300' line will not reach (or as a backup to the 300' line)
- Line can be extended by adding additional 3" line from static bed
- Gated wye allows for attachment of second 1 3/4" line (apartment pack, etc...)
- 3" line + smooth bore nozzle = low pump pressure (1 line = 130 PSI, 2 lines = 180 PSI)
- Shoulder load provides same deployment benefits as 300' line.

**Properly restored hose, ready for deployment.**



**NOTE:** Line requires three firefighters for proper deployment (consistent with riding positions):

FF 1 (Nozzle) = Seat 1

FF 2 (Backup) = Seat 2

FF 3 (Door) = Seat 3

**NOTE:** If only 2 FF's are available, FF 2 or the Driver performs FF 3's assignment



# DEPLOYING LINE

FF 1 pulls the hose bundle from the bed via the orange strap and shoulders the hose



FF 1 steps to ground, moves approximately 10' from truck and stops



Each loop = 50'  
of hose



# FF 2 shoulders the next 100' of hose (2 loops)



Hose should be rotated prior to shouldering (same as 300' line)



FF 3 shoulders the next 100' of hose  
(maintain same spacing as 300' line)



- Remember: The 3" hose is heavier and more cumbersome than 1 ¾" hose
- Care must be taken to ensure the hose remains properly packed on your shoulder
- If unable to handle 100' of line, take only 50' at a time
  - will increase number of personnel needed to deploy line

The driver (or a 4<sup>th</sup> firefighter if available) clears the last 100' of hose from the bed



The last 100' of hose is dropped to the ground on its side, so it can be stretched out by the advancing firefighters



The female end is then connected to the officer side rear discharge



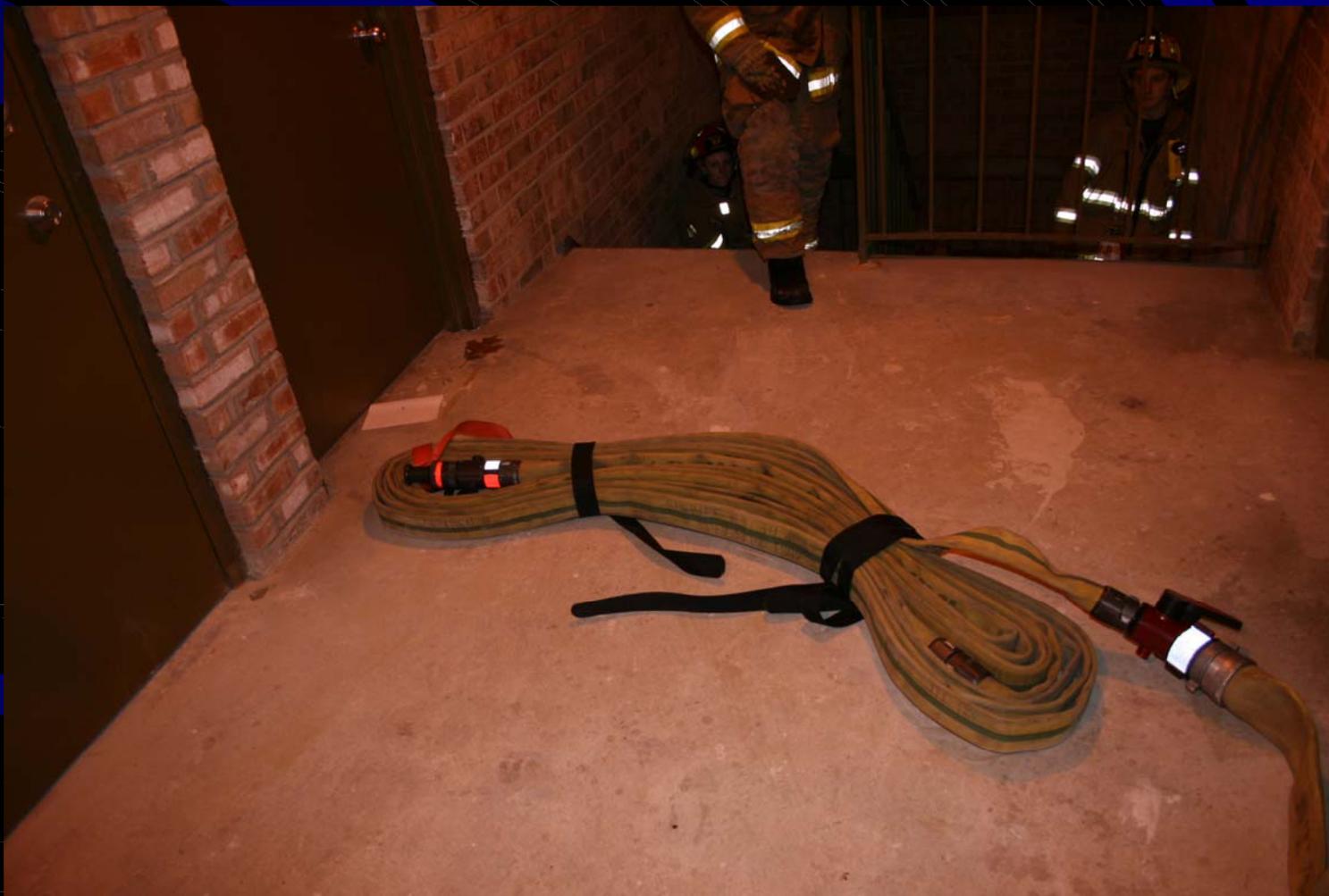
The crew moves the line to the target, laying the hose off their shoulder



After deploying the shoulder load,  
each FF assists with flaking out the  
line to prevent kinks



The 1 ¾" hose bundle is placed at the appropriate location, based on prevailing conditions

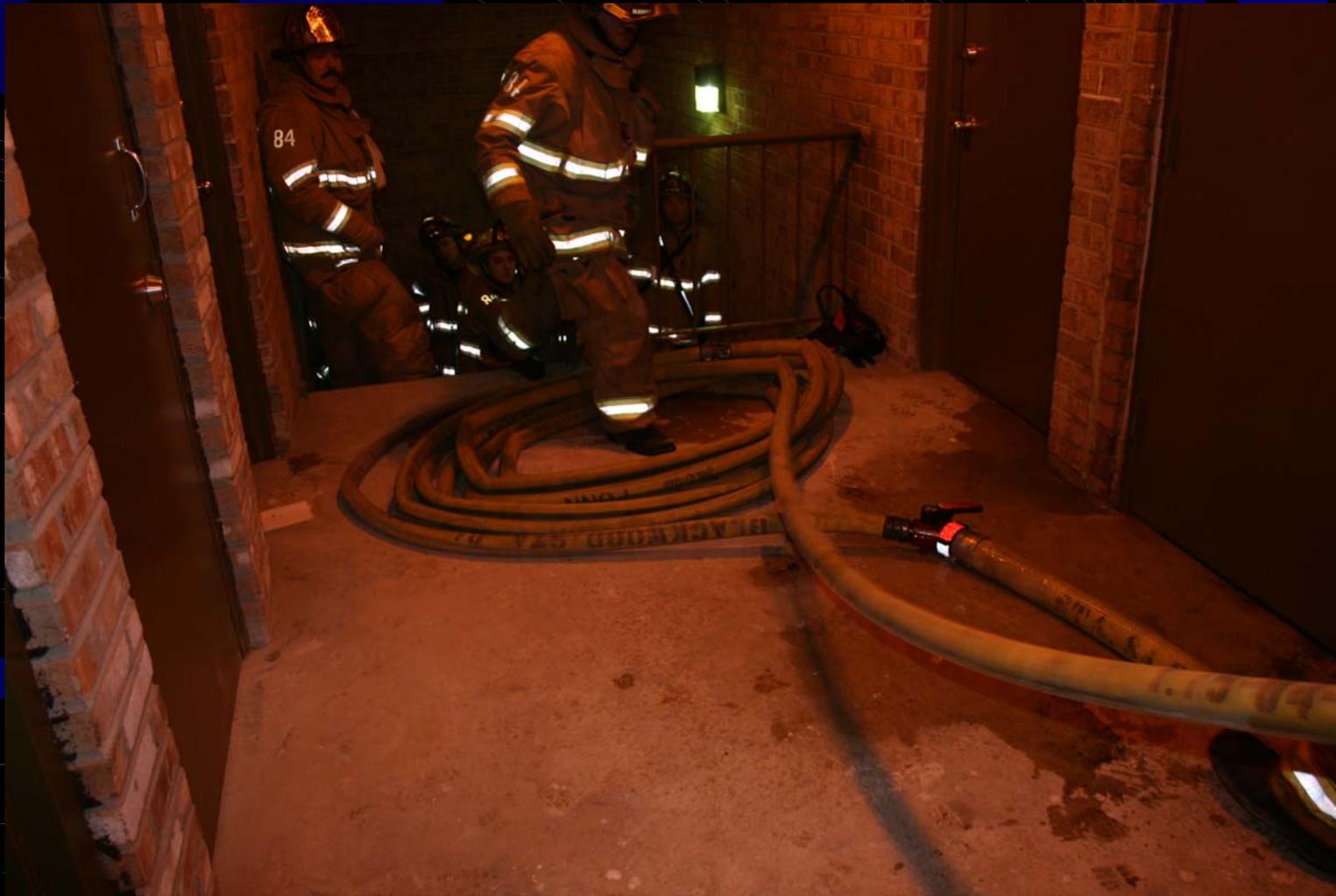


The straps are removed from the bundle, and the hose is spread out but left in a circle



- When ready, the company officers calls for the line to be charged
- The hose pack allows the line to be charged without being flaked out
- The nozzle man simply takes the nozzle and advances the line to the fire
- The line will play out one loop at a time
- The extra hose can be stood on end to save space

Line being charged. It may be necessary to further spread out the hose as it is being charged to eliminate kinks.



The hose bundle allows the line to be advanced directly to the fire without the need to flake it out.



# Single gated wye

- Gate is for the open port, which allows for the attachment of a second line.

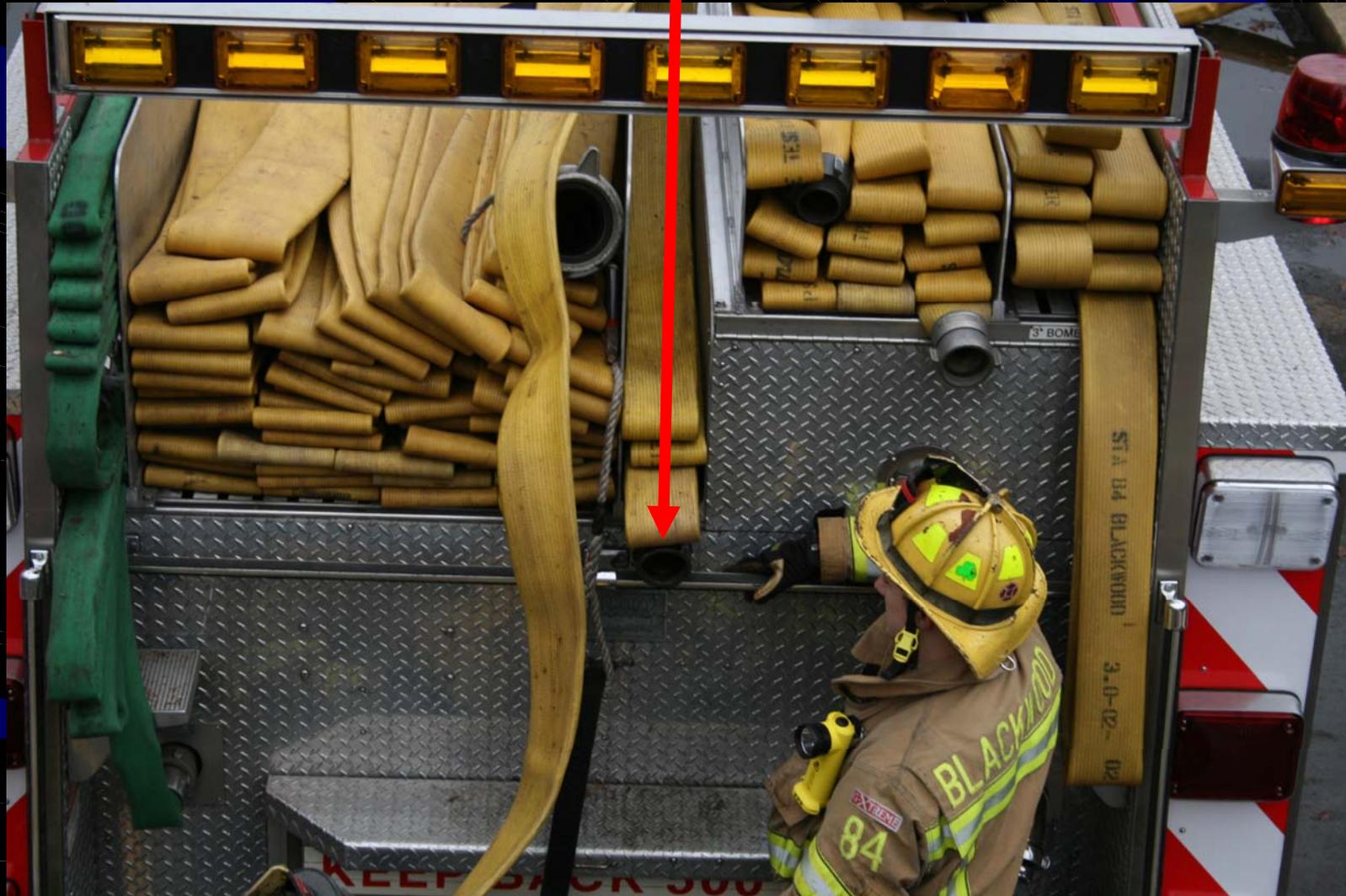


# Packing the Line

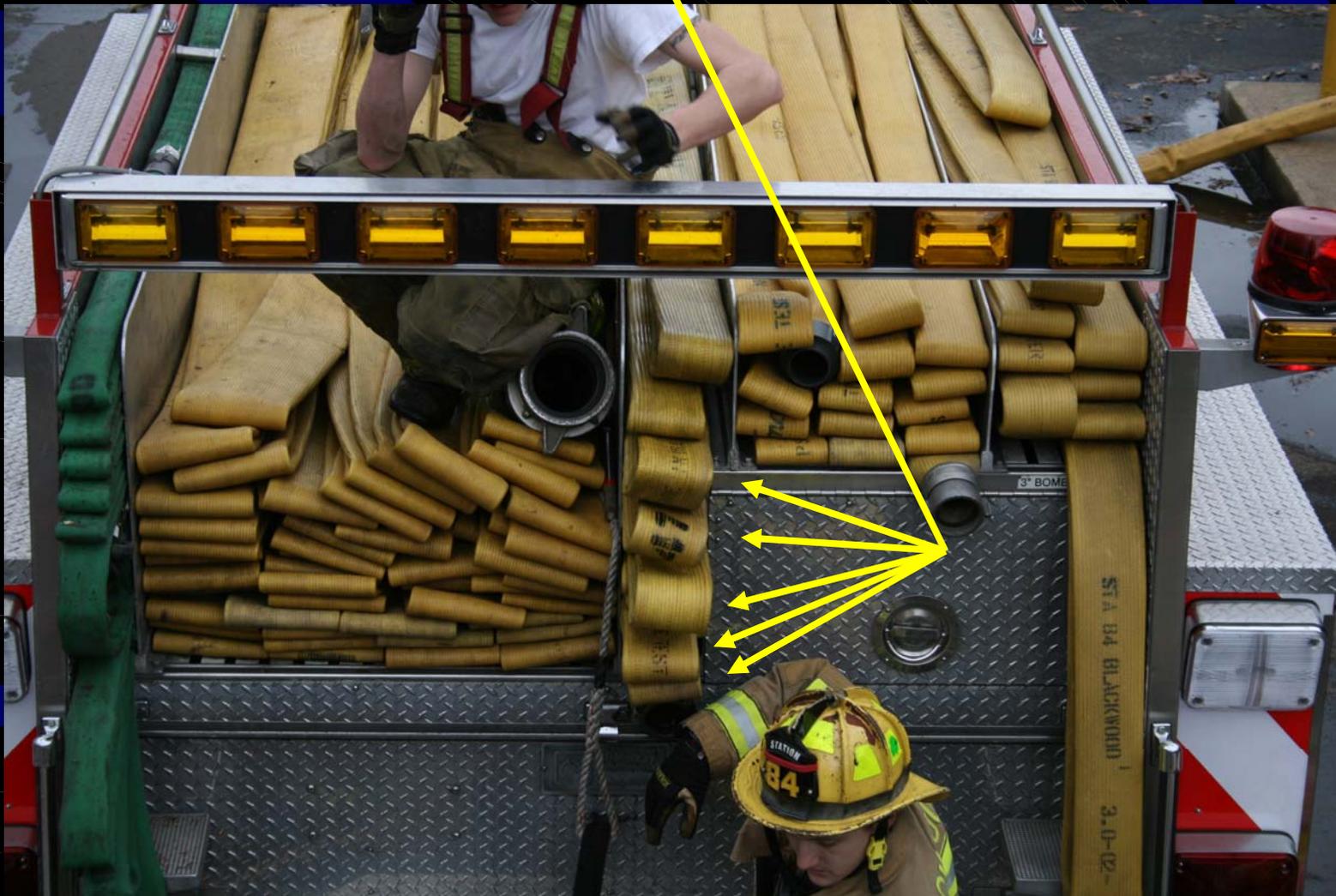
- Disconnect the couplings and drain the hose.
- Place all six lengths of 3" hose on the ground behind the truck (female couplings closest to truck)



**Flat pack the hose in the bed with the female coupling exposed**



**Continue flat packing the hose, inserting a small loop every 50' (approx. every third fold)**



# Packing the 1 3/4" bundle

Determine proper length by draping line over FF's shoulder



Lay hose on ground, noting proper length



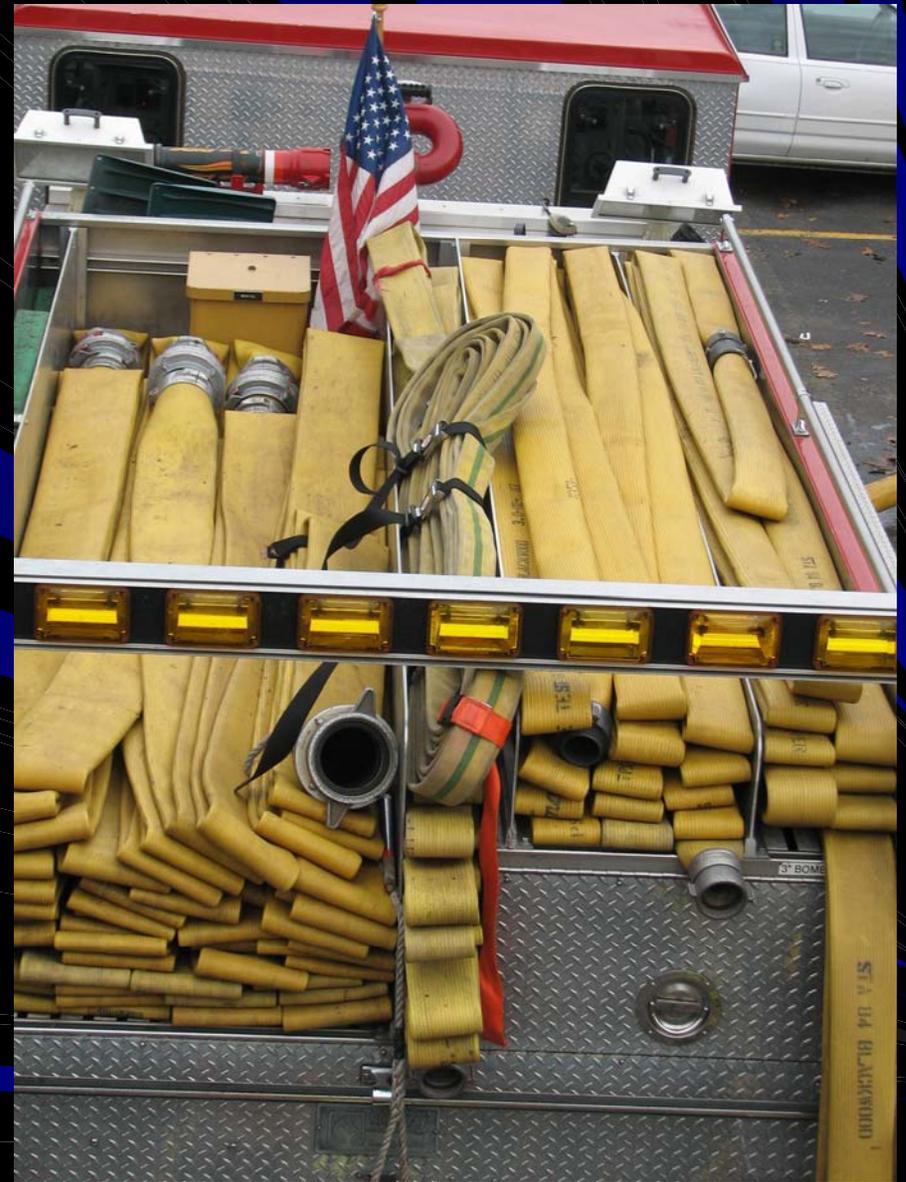
**Pack the bundle by wrapping the hose around the outside of the pack (nozzle on inside), ensuring there are no twists**



**After all 100' of hose is bundled, secure with three retaining straps.**



- Attach the orange strap to the nozzle end of the bundle
- Lay the hose bundle on top of the 3" hose
- Attach the female end to the gated wye
- The 400' line is now properly packed and ready to be deployed



- Additional information regarding the 1  $\frac{3}{4}$ " hose bundle used for the 400' line can be found on the following You Tube website (courtesy of the Corona [California] Fire Department):  
[www.youtube.com/watch?v=digkDpj-ONk](http://www.youtube.com/watch?v=digkDpj-ONk)

This completes the **400' Line Deployment/Restoration** slideshow.

This slideshow can be found on the lounge computer and the Blackwood Fire Company website:  
**[WWW.BLACKWOODFIRE.ORG](http://WWW.BLACKWOODFIRE.ORG)**

