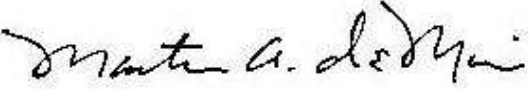


**Payson Fire Department
Standard Operating Procedure**

Category: Operations Section: Equipment Subject: Hose Loads, Master Stream & Nozzle Configuration	SOP # 2.11.6 Date Adopted: 02/00 Revision Hx: 02/12, 03/13 
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PURPOSE

It is the purpose of this SOP to standardize the hose line layout and hose loads used on PFD apparatus.

POLICY

This SOP will affect every apparatus capable of carrying and pumping hose lines and will detail the desired configurations for hose loads, master streams, and nozzles carried on PFD apparatus.

PROCEDURE

I. Small Diameter Attack Hose

A. 1.75" Preconnected Attack Lines

1. Hose laid in the transverse or rear facing beds will be laid using the modified minuteman load with a set length of 200'.
2. Transverse beds capable of holding two 200' attack lines shall be placed in the following configuration:
 - The front crosslay shall be configured with yellow colored hose and the nozzle positioned more towards the driver's side of the apparatus.
 - The rear crosslay shall be configured with red colored hose and the nozzle positioned more towards the passenger's side of the apparatus.
3. Bumper lines located on Type 1 structure engines and water tenders shall be 100' in length and laid in the box in the flat load configuration with built in rapid deployment loops if space permits.
4. Nozzle Configuration-
 - a. If the attack line discharge is capable of flowing Compressed Air Foam (CAF's) it shall have a 1.5" valve with pistol grip and a 15/16" smooth bore tip affixed to the end of the hose line.
 - b. If the attack line is not capable of flowing CAF's it shall have an adjustable flow fog nozzle affixed to the end of the hose line. The nozzle shall be preset to a narrow fog pattern with a flow setting of 95 GPM.
5. Two 50' sections of both yellow and red hose shall be straight rolled and stored on the apparatus in a convenient location for various fire ground applications (i.e. line extension, replacing a burst section, etc.).

II. Large Attack Hose & Master Streams

A. 2.5" Preconnected Attack Lines

1. These lines shall be loaded using the triple load configuration with a set length of 200'. It shall be affixed with a Blitzfire or similar 2.5" single inlet portable monitor. If such a device is not available then it shall be affixed with a 2.5" adjustable flow fog nozzle preset at 250 GPM with a narrow fog pattern.
2. Additional preconnected lines of a different configuration can be placed in the rear hose bed as long as there is one of the above described attack hose layouts in place. This additional preconnect may have a different type of nozzle or appliance on it as well (i.e. smooth bore, gated wye, etc.).

B. Master Streams

1. Master Stream (MS) devices that can be preconnected shall be arranged to obtain the full capacity of the device. This means that the device will be secured on the riser and the optional portable base positioned in a manner for easy reach and deployment.
2. An automatic or adjustable flow fog nozzle, preset at 350 GPM, shall be attached to the device and set to a narrow fog pattern. The unused MS smoothbore tips shall be stored adjacent to the MS device, in a convenient location, so that it can be placed in service quickly.

III. Supply Hose

A. 2.5" Hose

1. Type 1 apparatus shall be loaded in a flat, reverse lay configuration and shall have a length of 500' available. A 2.5" x 1.5" gated wye shall be attached to the end of the hose lay with a piece of webbing for easy reach and deployment.
2. Water tenders, if space permits, shall be loaded in a flat, reverse lay configuration and shall have a length of 200' available.

B. 5" LDH Hose

1. 5" large diameter hose shall be loaded in a flat load configuration with the couplings to the front of the hose bed. The hydrant end of the lay will be folded over onto itself with a hydrant bag with hydrant wrench, a 4.5" NHT x 5" Storz adapter, and a length of webbing attached. The end of the hose with all the attachments shall be easily accessible from the rear step of the apparatus. A minimum length of 1000' shall be available on all Type 1 structure engines.
2. A 25' and 50' section of 5" large diameter hose with one 4.5" NHT x 5" Storz adapter shall be readily accessible in the engineer's compartment of all Type 1 apparatus.

IV. Miscellaneous

A. Wildland Hose

1. All wildland fire apparatus shall meet, or exceed, the hose requirements as specified by the NWCG.
2. Each Type 1 and Type 6 fire apparatus shall carry at least two wildland progressive hose packs. These hose packs shall consist of 100' of 1.5" wildland fire hose, 100' of 1" wildland fire hose, a 1.5" gated wye, a 1.5" x 1" NPSH reducer, and a 1" NPSH nozzle.