

Grand Forks Fire Department

Standard Operating Procedures

SOP# 603.04	Section Emergency Operations	Title Hose Loads
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I. Scope

This standard regulates the loading and transporting of fire hose on apparatus.

II. General

- A. For the purposes of this standard, a hose load may refer to both the total complement of hose carried on an individual apparatus and to the manner in which the hose is carried on an apparatus.
- B. There may be some variation in both the amount of hose carried on an apparatus and the manner in which it is loaded due to number, size, and arrangements of the various hosebeds on apparatus built by different manufacturers.

III. Definitions

- A. Attack line: Any hose that is manually deployed and supplies water from an apparatus or standpipe discharge to a nozzle used to control or extinguish fire.
- B. Combination lay: A hose lay in which hoselines are laid in both directions, Forward (from a water source to a fire) and Reverse (from a fire to a water source).
- C. Filler hose: A section of 2 ½ -inch or 3 inch fire hose carried on an engine and used to fill the booster tank from a hydrant or other water source.
- D. Forward lay: Advancing or deploying a supply line from a water source to the fire.
- E. Hard suction: A 10-foot length of non-collapsible, rubberized hose with a steel core that is used for drafting.
- F. Hosebed: An area or compartment on an apparatus designed to carry/ transport hose.

- G. Hose book: A journal that is carried on an apparatus and that lists the current hose inventory by section number, location on the apparatus, and date loaded. It is the company officer's responsibility to maintain the hose book and make sure all information is current and accurate.
- H. Hose carry: A method of moving and deploying fire hose.
- I. Hose pack: A compact bundle of hose normally used in standpipe operations.
- J. Hose rack: A portable or fixed storage unit for fire hose.
- K. Hose record: A permanent record provided for each section of hose listing the history of an individual section of hose from the time of purchase until it is taken out of service. It is the responsibility of the hose officer to maintain the hose record.
- L. Pre-connect: An attack hose connected to a discharge when the hose is loaded so as to reduce deployment time.
- M. Reverse lay: A method of laying hose from a fire scene to a water source.
- N. Service test: Hydrostatic pressure testing of fire hose conducted at least annually.
- O. Supply line: Hose from a water source or supply to the intake of an apparatus, sprinkler system, or standpipe.

IV. Supply Lines

- A. The department uses large diameter hose (LDH) supply lines on all frontline engine companies. Each engine should carry a minimum of 600 feet of 5-inch hose coupled in 100-foot sections. The hose is carried on the apparatus in a flat load. Single sections of 50-feet are also carried in rolls to facilitate deployment.
- B. Reserve engines may carry 600-feet of 3-inch supply line in lieu of LDH. The 3-inch hose is coupled in 100-foot lengths. This hose is loaded flat and consists of one bed of 600-feet. The hose shall be loaded for a reverse lay, if there are two beds of 3-inch hose they may be connected to facilitate laying a single line.
- C. Each engine shall carry a minimum of 600-feet of 3-inch supply line. This hose is used to supply portable master stream appliances, standpipes, and automatic fire sprinkler systems.

V. Attack Lines

- A. The number and lengths of attack lines may vary by apparatus due to the limitations imposed by the number and sizes of hosebeds found on a given apparatus.

B. Pre-connects: 1-3/4-inch and/or 2-1/2 inch.

1. Loaded in a flat load.

*** The following section is a recommendation at this time, not an official part of the SOP. Need more information from the suppression committee. DC Flermoen***

2. ***Color coded: (Note: The outer jacket of the hose or an attachment to the hose coupling is the color that corresponds to the color code of the individual discharge outlets.) Each of the following should have its own color code.***

- a. ***Standpipe pack.***
- b. ***Trash line.***
- c. ***Pre-connects 1 3/4 inch.***
- d. ***Pre-connects 2 1/2 inch.***

C. Pre-connects:

1. Each engine company will normally carry two 200-foot preconnects of 1-3/4-inch hose, and 200 feet of 2-1/2 inch hose.
2. The hose is coupled in 50-foot sections and is loaded in a flat load.

VI. Hard Suction

- A. Engine companies will not normally be required to carry hard suction hose.
- B. When using hard suction hose to draft a strainer shall always be used.