



ANN ARBOR FIRE DEPARTMENT

Standard Operating Procedures - 7.05 Hose Loads and Pump Operations



HOSE LOADS AND PUMP OPERATIONS

Effective: October 11, 2024
 Scheduled Review: October 11, 2027
 Approved: Fire Chief Mike Kennedy

I. PURPOSE

This procedure establishes the type and quantity of fire hose carried on suppression apparatus including the proper loading.

II. PRECONNECTS - ALL SUPPRESSION APPARATUS

All suppression apparatus has two transverse hose beds for pre-connected fire hose lines. These pre-connects are located directly adjacent to the pump panel. Both of these transverse pre-connects shall be loaded utilizing the “modified minute-man” load with three Velcro straps as part of the first 100’.

- Pre-connect #1 (closest to cab) shall be loaded with four (4), fifty-foot (50) sections of 1¾” **yellow** Mercedes KrakenExo hose. The total length will be 200’. This hose load will have an Elkhart XD 7/8” smooth bore nozzle.
- Pre-connect #2 shall be loaded with four (4), fifty-foot (50) sections of 1¾” **blue** Mercedes KrakenExo hose. The total length will be 200’. This hose load will have an Elkhart XD 7/8” smooth bore nozzle.

III. LEADER LINE – ENGINE COMPANY

- Primary (far left side of rear hose bed) 400’ of 2” **blue** Mercedes KrakenExo to a reducer to 100’ 1¾” **blue** Mercedes KrakenExo hose. The last 100’ 1¾” shall be loaded utilizing the “modified minute-man” load with three Velcro straps. This hose load will have an Elkhart XD 7/8” smooth bore nozzle.
- Secondary (to right of primary) 400’ of 2” **green** Mercedes KrakenExo to a reducer to 100’ 1¾” **green** Mercedes KrakenExo hose. The last 100’ 1¾” shall be loaded utilizing the “modified minute-man” load with three Velcro straps. This hose load will have an Elkhart Chief XD fixed gallonage fog nozzle (50 psi at 160 gpm rating).

IV. LARGE DIAMETER SUPPLY LOAD - ENGINE COMPANY

The center static hose bed shall have 800’ of 5” supply line. This shall be loaded in a flat load.

V. 2½” STATIC LOAD - ENGINE COMPANY

The company officer’s side static hose bed shall have 500’ of 2½” hose. This hose load shall have a 2½” TFT smooth bore with 1” and 1 1/8” stacked tips without pistol grip. This shall be loaded in a flat load.



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VI. STANDPIPE HOSE AND EQUIPMENT

High-Rise Hose Cache - Each engine and ladder company will have one (1) high-rise cache. Ladder 1-5 shall be recognized as an engine company for the purposes of this SOP.

The cache consists of three bundles of hose as indicated below:

Two (2) 50-foot lengths of 2" hose packaged in the Denver Load configuration with designated hose straps. The high-rise cache shall not be used as a secondary line for leader line operations.

One (1) High-Stack Tip Nozzle package: without pistol grip, stacked 1" and 1 1/8" smooth-bore tip nozzle

High-Rise Kit - All suppression companies will have one (1) high-rise kit.

One (1) Pressure gauge

Two (2) High-Rise elbow

One (1) Gate Valve

Two (2) Spanner Wrenches

One (1) Swiveling Bell Reducer

One (1) Increased Adapter

One (1) Standard wire brush

One (1) Aluminum 18" pipe wrench

One (1) Elongated flathead screwdriver

One (1) Long-nose needle pliers

Two (2) Fat Ivan Door Props