

APPENDIX A

JURISDICTIONAL HOSE LINE COMPLIMENTS

CITY OF FAIRFAX

- C.1 Hose Line Options with Corresponding GPM Flows in the City of Fairfax.
 - C.1.1 1 ¾-inch hose with Elkhart Chief 4000-24 Breakaway Nozzles.
 - C.1.1.1 Standard nozzle setting will be 175 GPM @ 75 PSI nozzle pressure in the straight stream position. The engine officer has the option of varying from these settings if the need arises. This size line would normally be appropriate for use in occupancies where the fire areas are separated by walls and hallways. The advancement of these hand lines will be room-to-room.
 - C.1.2 2 ½-inch Hose with the Stacked Tip Smooth Bore Nozzle.
 - C.1.2.1 The standard tip size is 1 inch, which delivers 210 GPM @ 50 PSI nozzle pressure.
 - C.1.2.2 The second tip size is 1 ¼-inch providing 265 GPM @ 50 PSI nozzle pressure.
 - C.1.2.3 Removing the 1 ¼-inch tip provides a standard 1 ¾-inch tip that allows the extension of a 1 ¾-inch line from the 2 ½-inch breakaway nozzles. This adds flexibility and mobility after the larger volume of fire has been darkened. This size line would normally be appropriate for use in occupancies with heavy fire conditions in large open spaces such as is found in warehouses, strip shopping centers, and other commercial establishments. If it is used as an interior line, adding a second engine company crew to assist with the deployment would be appropriate. Additionally, this line offers greater reach than the smaller hand lines.
 - C.1.3 Portable Master Stream Device.
 - C.1.3.1 These appliances shall be supplied with a minimum of two 3-inch lines.
 - C.1.3.2 Maximum flow of 1000 GPM should be no farther than 400 feet from the engine, 800 GPM not more than 600 feet away, and 600 GPM not more than 800 feet from the engine. The maximum effective reach will be approximately 100 feet from the appliance.
 - C.1.4 Standpipe Pack.
 - C.1.4.1 Standpipe packs consist of a bundle of 100 feet of 2 ½-inch hose and a separate bundle of 100 feet of 1 ¾-inch hose. The packs are equipped with a 1-inch smooth bore nozzle for 1 ¾-inch hose and a 1 1/8-inch smooth bore for use on 2 ½-inch hose lines. The pack also has an

Elkhart “Chief 4000-24” low-pressure fog nozzle that is designed to deliver 200 GPM @ 75 PSI nozzle pressure.

- C.1.4.2 The standpipe packs are designed for flexibility. One engine company can deploy a 200-foot line that consists of 100 feet of 2 ½ and 100 feet of 1 ¾-inch hose. Two engine crews can combine their packs in order to assemble and operate a 200 foot 2 ½-inch line or 200 foot 1 ¾-inch size line.
- C.1.4.3 If 1 ¾-inch hose is being used with the 1-inch nozzle, the nozzle pressure can be increased to 65 PSI, which will deliver a flow of 210 GPM at the nozzle.
- C.1.4.4 An accessory bag accompanies the standpipe pack that contains a pressure gage, spanner wrench, standpipe wheel, pipe wrench, and the 1-inch smooth bore nozzle.