

APPENDIX A

JURISDICTIONAL HOSE LINE COMPLIMENTS

CITY OF ALEXANDRIA

- A.1 Hose Line Options with Corresponding GPM Flows in Alexandria.
- A.1.1 Elkhart “Chief” Low Pressure Fixed GPM Breakaway Nozzles are on all 1 ¾-inch hose lines.
- A.1.2 1 ¾-inch pre-connected hose loads.
- A.1.3 Front bumper has 100 foot of 1 ¾-inch.
- A.1.4 All other pre-connected 1 ¾-inch lines are 200 foot.
- A.1.5 The fog nozzle is 175 GPM @ 75 PSI nozzle pressure in the straight stream position. The engine officer has the option to have the nozzle pressure increased to 100 PSI to achieve 200 GPM. This nozzle allows the quick exchange to the 15/16-inch smooth bore tip providing a 185 GPM flow @ 50 PSI nozzle pressure. The engine officer has the option to have the nozzle pressure increased to 65 PSI to achieve 210 GPM. 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.
- A.1.6 1 ¾-inch Standpipe Pack.
 - A.1.6.1 Standpipe packs consist of two bundles, each consisting of 100 feet of 1 ¾-inch hose.
 - A.1.6.1.1 The fog nozzle is 175 GPM @ 75 PSI nozzle pressure in the straight stream position. The engine officer has the option to have the nozzle pressure increased to 100 PSI to achieve 200 GPM.
 - A.1.6.1.2 This nozzle allows the quick exchange to the 15/16-inch smooth bore tip providing a 185 GPM flow @ 50 PSI nozzle pressure. The engine officer has the option to have the nozzle pressure increased to 65 PSI to achieve 210 GPM.
 - A.1.6.1.3 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.
 - A.1.6.1.4 An accessory bag accompanies the standpipe pack that contains two spanner wrenches, standpipe wheel, 2 ½-inch to 1 ½-inch reducer, door chocks and vice grip pliers.
 - A.1.6.2 2 ½-inch Standpipe Pack.
 - A.1.6.2.1 Standpipe packs consist of two bundles each with 100 feet of 2 ½-inch hose.

- A.1.6.2.2 The standard tip size is 1 1/8-inch, which delivers 265 GPM @ 50 PSI nozzle pressure.
- A.1.6.2.3 The second tip size is 1 1/4-inch providing 325 GPM @ 50 PSI nozzle pressure.
- A.1.6.2.4 Removing the 1 1/4-inch tip provides a standard 1 1/2-inch tip that allows the extension of a 1 3/4-inch line from the 2 1/2-inch breakaway nozzle. This adds flexibility and mobility after the larger volume of fire has been darkened.
- A.1.6.2.5 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, office high-rises, 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.

A.1.6.3 Leader Line.

A.1.6.3.1 The leader line is 200 feet of 3-inch hose with a gated-wye. This allows for one or two 1 $\frac{3}{4}$ -inch line(s) to be added or one 2 $\frac{1}{2}$ -inch hose line for long hose lays.

A.1.6.4 Portable Master Stream Device.

A.1.6.4.1 These appliances shall be supplied with a minimum of two 3-inch lines.

A.1.6.4.2 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.