



ANN ARBOR FIRE DEPARTMENT

Standard Operating Procedures – 3.64 Fire Department Connection



FIRE DEPARTMENT CONNECTION

Effective: October 12, 2018
Scheduled Review: October 12, 2021
Replaces: 806 Fire Department Connection
Approved: Fire Chief Mike Kennedy

I. PURPOSE

A fire department connection (FDC) is, “A connection through which the fire department can pump supplemental water into the sprinkler system, standpipe, or other system, furnishing water for fire extinguishment to supplement existing water supplies.” FDCs are required on all standpipe systems per NFPA 14, Standard for the Installation of Standpipe and Hose Systems, and sprinkler systems per NFPA 13, Standard for the Installation of Sprinkler Systems.

II. PROCEDURE

For all structure fires involving a building with a sprinkler or standpipe system, the Incident Commander (IC) shall assign an engine to supply the sprinkler or standpipe connection.

- A. The FDC shall be supplied with two (2) 2.5” lines or one large diameter supply line (4” or 5”) no greater than 100’ in length.
- B. The initial pump discharge pressure (PDP) for the FDC(s) will be 150 PSI, plus 5 psi per floor above the first.
- C. Engines supplying the FDC(s) shall secure their own water source and will not supply any other apparatus or hoselines.
- D. Upon confirmation of smoke or fire, the assigned FDC engine shall charge the FDC supply lines without further direction and notify IC that the system is charged.
- E. IC should assign a company to check the sprinkler control room. This company will ensure that valves are in their proper position and advise on the status of the fire pump (if equipped). The IC may reassign this company or have them remain with the control valves throughout the incident.