


SOG# 501- 18	Standard Operating Guideline			
	<h1 style="text-align: center;">Cumberland Road Fire Department Inc.</h1>		Approved By	
			Steven W. Parrish, Fire Chief	
	Sprinkler & Standpipe Operations		Effective Date	Revised Date
		June 11, 1992	May 17, 2018	

Purpose:

The purpose of this guideline is to establish a standard procedure for response to structure fire alarms in commercial buildings, with sprinkler and/or standpipe systems.

Definitions:

Suppression Unit: A fire department apparatus, equipped with a fire pump capable of supplying a sprinkler or standpipe system with two, 2 ½ inch or greater supply lines.

Fire Department Connection (FDC) - A piping connection on the exterior of a building that supplies water to a fire sprinkler system or a fire standpipe system.

Sprinkler/Standpipe Operations – The act of establishing a water supply, connecting a fire suppression unit to an FDC and supplying adequate pressure for the indicated system.

Yard Hydrant – A privately owned fire hydrant that is part a private water system with an undetermined capacity.

Procedures:

First Arriving Suppression Unit:

Upon arrival at the scene, the first arriving suppression unit should position for the appropriate operational mode based upon size up conditions. Once determining that sprinkler or standpipe operations will be needed, the first arriving officer or incident commander shall locate the FDC, communicate its location and dedicate a suppression unit for sprinkler or standpipe operations.


Second Arriving Engine:

Upon arrival, the second arriving engine should supply the first arriving unit with appropriate water supply if the FDC has already been established. If not, the second arriving engine should locate a water supply (**not a yard hydrant**) nearest the FDC for Sprinkler or Standpipe operations.

Sprinkler Operations:

A. The Incident Commander should assign a suppression unit the task of connecting hose lines to the (FDC) at any sprinkler equipped occupancy during reported or suspected fires.

B. If sprinkler operations are needed, the designated suppression unit should establish a water supply and connect two (2) lines of appropriate size for the FDC from the discharge side of pump to the FDC.

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C. The pump operator shall slowly develop 150 P.S.I. at the pump and maintain this pressure until advised by command to cease sprinkler operations.

Standpipe Operations:

- A. The Incident Commander should assign a suppression unit the task of connecting hose lines to the (FDC) at any standpipe equipped occupancy during reported or suspected fires.
- B. If standpipe operations are needed, the designated suppression unit should establish a water supply and connect two (2) lines of appropriate size for the FDC from the discharge side of pump to the FDC.
- C. The personnel assigned to fire attack should advance to the floor below the fire floor with a high rise bag and 200 ft. or more of spare 1 3/4 hose.
- D. The pump operator shall slowly develop the desired pressure based on the standpipe operations employed (elevation, length of hose, etc.) and maintain this pressure until advised by command to cease standpipe operations.

Responsibilities:

It is the responsibility of the Incident Commander to utilize this guideline while making strategic and tactical decisions on the fire ground. The Incident Commander maintains his/her authority and responsibility to adjust tactical considerations based on situational conditions and available resources.

It is the responsibility of the Firefighter to be aware of this guideline and follow the direction of the incident commander during standpipe or sprinkler operations.

It shall be the responsibility of each member of the department and supervisors to ensure that the provisions of this standard are followed.