
	COUNTY OF ALBEMARLE Department of Fire Rescue STANDARD ADMINISTRATIVE POLICY	
	Subject:	Fill Site Pre-Plan
	Reference Number:	SAP-OPS-002
	Effective Date:	1 January 2004
	Last Revision Date:	N/A
	Signature of Approval:	 J. Dan Eggleston, Chief

Purpose:

To initiate a countywide procedure to establish and pre-plan year round pumper accessible fill site where there are no adequate municipal or private water sources for incident mitigation. On most incidents, the first due company is responsible for on scene mitigation efforts. This leaves the responsibility of establishing fill sites to companies that are, at times, vaguely familiar with the areas they are dispatched to and less acquainted with the actual fill site itself. This is particularly true of mutual – aid departments who are summoned to assist. Distribution of preplans will assist those companies responding with an overview of what is necessary to set up a site and/or its location for shuttle evolution.

Policy:

The following steps shall be utilized to establish and preplan fill sites:

Step 1 Area Evaluation

Determine the areas within the respective first due area that so not have and adequate water supply for incident mitigation. Building preplans should be used to determine the basic water supply needs.

Step 2 Site Selection

Determine the sources that may be used for water supply (closest to the area in need). Utilization of maps that have static sources may be helpful. Past experiences has proven that sites should be accessible by pumpers year round. Portable pump operations should be used as a **last resort** operation due to the set up time and number of portable pumps required to provide and adequate fire flow. Remember that the GPM flow at the fill site will determine the GPM flow on the incident grounds.

Perform on site survey of the source to determine the following:

Static Sources

- Accessibility of a pumpers year round
- Water depth
- Turn around areas for shuttle apparatus
- Determine feasibility of setting up several fill lines to fill multiple apparatus at one time.

Municipal Sources

- Accessibility of pumpers
- Determination of the size of the main
- Turn around areas for shuttle apparatus
- GPM available at 20 psi residual pressure
- Feasibility of establishing several fill lines

Step 3 Fill Site Selection

Determine which sources shall be used according to the guidelines stated in step 2. Determine the areas/streets that the source will be used for. Again, a map of the first due area would be beneficial on selecting the sites closest to the available water source.

Step 4 Draw the Preplan

Use attachment A as a guideline for the drawings and overview of the fill site.

- List the fill site designation (name), the address, ADC and 911 map page, any useful information, date, and initials on the right side of the page.
- The top left corner shall be used for drawing a map of the area where the site is located. Draw in as many streets as possible that will use this site. Keep in mind that mutual aid departments may be using the preplan and may have no knowledge of the area.
- The bottom of the page should be used to draw the fill site. Draw the site with as much pertinent data as possible. It is a good possibility that the third or fourth due company will be going to the site to set up fill operations. They may not be familiar with the area or the specifics set up identified by the first due Engine Company.

Information required would include, but not be limited to, the following information:

Front intake only fill sites	Length of hose lays
Shuttle route of units	Accessibility
Draft site location	Fill line(s) location
Special equipment needed	GPM available (hydrant)
Turbo Draft fill site only (due to accessibility)	

Step 5 Develop a Fill Site Preplan Book

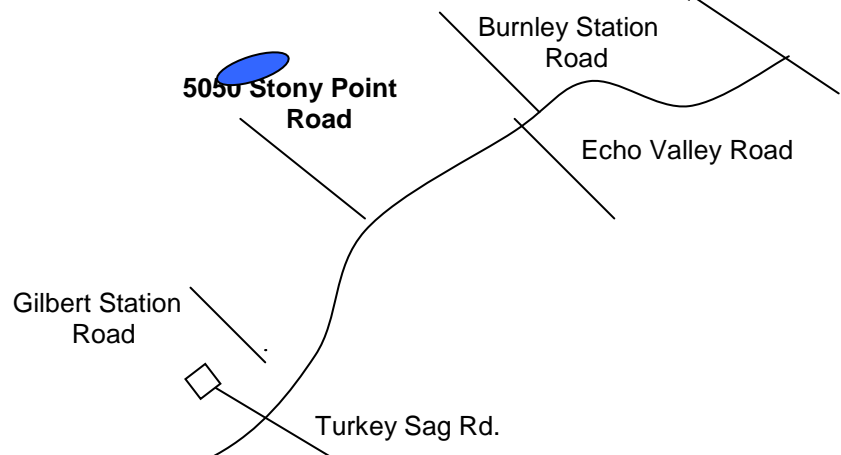
Place each fill site preplan within the developed street preplan book .

Step 6 Distribution

Distribute the street index and preplans to all stations.

(ATTACHMENT A)

Albemarle County Orange County



Castle Hill North
Address: 5050 Stony Point Rd.
911 map page: 35 C1
ADC map page: 20 D2

Remarks: Fill site is located 2.1 miles north of Turkey Sag Rd. If the hydraulic gates are closed, disassemble the hydraulic arm from the gate. Please close the second gate after entering due to the possibility of cattle getting out. **Lay dual 3" or single L.D.H**
Date: Feb. 21, 2002 Initials: MJD

750' of supply hose with a gate valve or manifold. Have two fill lines established (both at 50'), but fill one tanker at a time.

