

HIGH RISK/LOW FREQUENCY

HUDSON FIRE DEPARTMENT

Standard Operating Guidelines

GUIDELINE NO: 300.05

SUBJECT: RURAL WATER SUPPLY

APPROVAL: Scott St. Martin, Fire Chief

Effective Date: 5-16-16

Revised Date: n/a

PURPOSE

The purpose of this operating guideline is to provide basic direction as to rural water supply set up and operations. This guideline shall apply to emergency and non-emergency situations.

RESPONSIBILITY

1. All Chief and Company Officers have the responsibility to comply with and ensure that the personnel under their command are adequately trained, fully understand, and comply with this guideline.
2. All firefighters have the responsibility to learn and follow this guideline.

GUIDELINES

A. Water Tender Staffing

1. The Water Tenders owned by the Hudson Fire Department carry the following personnel
 - a. 3164 carries 2 personnel
 - b. 3165 carries 4 personnel
2. The Tenders can leave the station with just a driver when personnel are limited.

B. Portable Tank Location

1. The portable tank shall be appropriately placed for the drafting or Supply Engine once it has reached its final parking spot.
2. Location of portable tank shall also be located to allow for safe filling from tenders

C. Fill Locations

1. The normal fill locations for Tenders will be fire hydrants from the City of Hudson.
2. The driver of the Tender shall be observant to the closest fire hydrant to the fire scene for efficient refilling of the Tender.
3. There is currently one dry fire hydrant located on Cove Road Landing.
 - a. An Engine is required at this location to fill the Tenders.

D. Fill Operations

1. The normal fill operation for both Tenders is through five (5) inch hose pre-connected to the rear of the Tender.
 - a. There are fittings in the Tender to fill via 2 ½ hose through the same rear outlet.
2. When filling a Tender at a fire hydrant the following procedures shall be followed:
 - a. The Tender shall be parked in a way to avoid traffic as much as possible.
 - b. The hydrant is "made up" with the 5" gate valve as well as 2 ½ inch ball valve on the two outlets of the fire hydrant. All gate valves are closed.
 - c. The hydrant is opened and is flushed through the 2 ½ inch ball valve.
 - d. The 2 ½ inch ball valve is closed. The 5 inch hydrant gate valve is opened and the Tender is filled with water.
 - e. When the Tender is full (Full Light is lit or water is running on the ground):
 1. THE 5 INCH HYDRANT GATE VALVE IS CLOSED FIRST.
 2. Then the valve on the Tender is closed.

3. There shall be no personnel near the fill hose until the hydrant is completely closed.
 4. The drain for the rear fill line is opened to relieve the pressure in the 5 inch hose.
 5. The 5 inch hose is disconnected from the rear of the Tender and left connected to the hydrant for the next Tender to fill.
3. When filling a Tender at the dry hydrant the following procedures shall be followed:
 - a. The dry hydrant may not be available during winter months as the area is not plowed.
 - b. The pumping apparatus is connected to the dry hydrant.
 - c. The fill hose shall be a 5 inch.
 - d. The supply hose is connected to the appropriate discharge on pumping apparatus.
 - e. Water is drafted through dry hydrant and pumped to the Tender.
 - f. Once the Tender is full, the pumping apparatus discharge is closed first and then the Tender fill valve is closed.
 - g. The drains on both Tender and pumping apparatus may need to be opened to relieve the pressure in the fill hose.
 - h. The fill hose is disconnected.
 4. For roadway safety, care must be taken in the cold weather months as to where the water is bled from the hydrant and if the Tender overflows.
 - a. Appropriate assistance should be requested from the Incident Commander if the road becomes icy or there is traffic congestion at the fill site.

References: Risk and frequency classification information - <http://firefighterclosecalls.com/sopsog.php>