

Alternate Water Supply

Yellow Field - Check Boxes
Blue Field - Fill-In Boxes

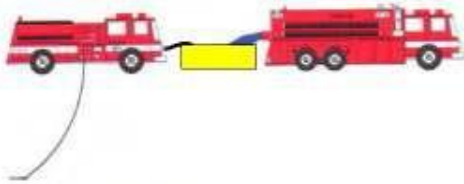
The following information will be required prior to submitting a request for an Alternate Water Supply evaluation. This will include:

- Fire Site Set-up
- Fire Site Dump Times
- Supply Site Set-up
- Supply Site Fill Times
- If Needed, Suction Supply Information
- If needed Dry Hydrant Supply Information

Fire Site Setup:

Record the time necessary to:

- Setup the dump tank,
- Connect the hard suction (strainer already attached),
- Pull a prime,
- Establish a 250gpm stream.



Fire Site:	Engine #	Tanker#		Folding Tank	Engine #	Tanker #
Apparatus						
Set-up Time						
Tank Capacity						
Pump Capacity						

Dump Times:

Record the time necessary to:

- Open the dump valve and discharge the water load into a folding tank
- Off-loading of water using a mounted pump on the tanker is acceptable



Note: This exercise must be conducted on all tankers used in the tanker shuttle including Automatic Aid and Mutual Aid Tankers

#	Fire Department	Fire Station	Apparatus #	Tank Capacity	Dump Time
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Supply Site Setup:

Record the time necessary to:

(These supply sites can include: hydrants, certified dry-hydrant, or certified suction supply points.)

- For an engine; connect to the source, pull a prime on an engine (for static sources only) and roll out you fill line(s).
- For a tanker; connect the fill line(s) directly to the hydrant (with or without a gate valve) and open the hydrant.
- When an engine is used to pump from a certified static water source; (dry-hydrant or suction supply point) the pump must be primed to fill the incoming tankers (not just the tank water from tank to pump).

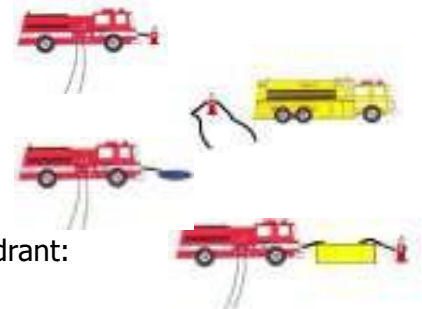
Note: The time stops when water flow is available from the fill line(s). Expect to do a setup for each type of credible water source that you have; one setup for a dry-hydrant, one or more for a hydrants (depending on the GPM), and one for a suction supply point or static water source

Engine connected to the hydrant with fill lines for tanker fill:

Fill Line connected directly to hydrants with gate valves:

Engine pulls prime from a static source with fill lines for tanker fill:

Engine pumping from a dump tank supplemented by a 250 gpm or greater hydrant:



Supply Site Pumper Tanker:	Hydrants with an Engine	Hydrants without an Engine	Static Water Source with an Engine or Vacuum Tanker at the source	Static Water Source with a Dump Tank or Portable Pump at the source
Apparatus Tank Capacity				
Apparatus Pump Capacity				
Set-up Time				
Dump Tank Capacity				
Hydrant Capacity				
Portable Pump Capacity				

Fill Times:

Record the time necessary to:

- Connect to the source with the fill line(s), fill until water flows from the tanker overflow.
- Disconnect the fill lines from the tanker.

Notes: This exercise must be conducted on all tankers used in the tanker shuttle including Automatic Aid and Mutual Aid Tankers.

Tanker directly to the hydrant:



Tanker directly to a static water source: (turbo draft/vacuum tanker)



Tanker supplied by an engine connected to a hydrant:



Tanker supplied by an engine with a static water source. (Dry-hydrant, Suction Supply Point or Dump Tank)



We have to have fill times on every tanker for every fill point type (hydrant vs. Suction Supply point and where there is a 250gpm or more difference in the other fill sites.

Circle the type of Water Source and provide the GPM for each Fill Time:						
Hyd: Hydrant SSP: Suction Supply Point DH: Dry Hydrant						
#	Community	Apparatus #	Tank Capacity	Fill Time 1	Fill Time 2	Fill Time 3
				Hyd or SSP or DH gpm	Hyd or SSP or DH gpm	Hyd or SSP or DH gpm
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Suction Supply Information Sheet:

Community		County		
Site Number				
Street address				
Lat		Long		
Detailed map	Yes		No	
Supply point within 5 road miles of fire station				
Type of water	Static	Flowing	Cistern	Other
Name of the body of water				

50 Year Drought Cycle Study:

For bodies of water, attach a certification by a registered professional engineer, registered hydrologist, registered geologist, soil conservationist, or federal surface- water specialist indicating the maximum flow rate that the suction water-supply point can provide for at least two hours during drought with an average 50-year frequency.				
Is the certification attached	Yes		No	
For Flowing water supplies				
Certified max. flow rate		GPM		
For static water supplies				
Certified available capacity		GALLONS		
Ownership	Public		Private	
If private, attach a statement, signed by the owner of the private suction water- supply point, authorizing its use by the fire department. Is the statement attached?				
Yes		No		NA

Is a Dry Hydrant provided?

Yes		No		
Outlet size		inches		
Pipe diameter		Inches		
Pipe length		Feet		
Are the dry hydrant hose threads compatible with pumper suction hose?	Yes		No	
Indicate the permissible minimum water level over the intake:		Feet		
Are dry hydrants inspected and back flushed annually?	Yes		No	
If No, how often:				
Is a suitable hard-surfaced access provided for a pumper to draft?	Yes		No	
Indicate the normal pumper that would use this site				
Pumper Name & Number		Pump size		GPM
Length of suction hose needed		Feet	Diameter	
Does this pumper respond automatically on the first alarm for structural fires?	Yes		No	
Indicate the maximum performance at the site using designated pumper(s):		GPM		
Indicate the maximum static lift at drought level:		Feet		
Are sites inspected annually to verify the suitability and accessibility for pumper year round?	Yes		No	