



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Flowing FDC and Standpipe

Standards:

NFPA 1010 Section 1002: 5.2.7, 5.2.7(B)

Task/Performance Outcome:

The candidate shall be given the objective supply a FDC or standpipe fire operations. The candidate must effectively supply a standpipe system at the correct pressure to support interior fire operations with effective fire streams produced. When supplying FDCs, the candidate must effectively supply the system at the proper pressure to support effective fire suppression by the system.

Required Personal Protective Equipment (PPE):

Turnout pants/boots, helmet and utility gloves

Required Equipment:

- Type 1 pumper

Critical Fail Criteria:

Failure consists of the following:

- Failure to complete any of the given tasks
- Failure to place wheel chocks prior to throttling truck
- Failure to refill on board water tank
- Cavitation of pump
- Failure to wear the required PPE
- Failure to keep accountability on the fire ground
- Failure to exit the apparatus safely and with three points of contact
- Glaring, gross errors, as documented by the evaluator
- An apparent lack of efficiency and comfort with the activity, as documented by the evaluator
- Less than 80% of available points scored

Evolution Details:

The candidate will be given the objective to establish a water supply and make the proper connections to a fire standpipe or FDC system to support interior fire suppression efforts. The candidate must inspect the standpipe/FDC system for damage and serviceability. The candidate must make proper hose connections and supply the system for effective fire suppression efforts. The candidate must charge the hose lines safely and smoothly when the hose lines are ready to be charged. Once the hose lines are charged with water the candidate must set the pump discharge pressure correctly. The candidate must set the pump discharge pressure to the highest line(s) and gate down necessary hose line(s) to the proper pressure(s). The candidate must ensure the discharge relief valve or pressure governor is set to the correct level for the highest line. The candidate must ensure the hose lines are dressed for smooth advancement, leaks and kinks are addressed and truck vitals are monitored.



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Candidate Name:	Date:	
Actions	Points Available	Points Earned
Addresses Accountability.	CFC	
Parking brake engaged.	1	
Pump engaged.	1	
Ensures that "OK to Pump" light is on.	1	
Wheel Chocks placed prior to throttling up engine.	CFC	
Tank-to-pump valve opened.	1	
Candidate safely pulls 5 inch supply line off apparatus and connects to Jaffrey (and to hydrant if no partner).	1	
Calls for water (or opens hydrant if no partner).	1	
Bleeds air from line before opening intake.	1	
No kinks or bends which would restrict optimal water flow.	1	
Transitions from tank to hydrant supply.	1	
Water supply evolution completed safely and efficiently.	1	
Tank to pump is closed.	1	
Pulls 2½-inch or 3-inch hose(s) from the pump discharge to the FDC/Standpipe.	1	
Remove or break the protective cover from the FDC/Standpipe.	1	
Inspect the FDC for debris inside and any signs of damage.	1	
Connect the male end of the hose(s) to the FDC/Standpipe.	1	
Connect the female end of the hose(s) to the pump discharge (use adapters if necessary due to how the hose is loaded on the truck).	1	
Throttles truck between 1000-1200 RPM prior to operating primer.	1	
Operates Primer for a minimum of 3 seconds.	1	
Waits for line(s) to charge before throttling up.	1	
Standpipe - Charges line(s) with appropriate pressure within 10% of theoretical for the given hose line. _____ psi	2	
FDC - Charges line(s) with appropriate pressure within 10% of theoretical for the given hose line. _____ psi	2	
Pressure relief device set for current pressure.	1	
All lines are properly charged and checked for any kinks or obstructions.	1	
All couplings are tight.	1	
All T-handles are locked in position.	1	



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All gauges are at the proper operating pressure.	1	
Master discharge gauge matches the highest pressure line.	1	
The highest pressure line is fully open.	1	
All mechanical gauges are within the normal limits.	1	
Completes 360 of the apparatus observing functions, leaks, kinks, hose placement, etc.	1	
Demonstrated overall efficiency and comfort with the evolution.	3	
Total Points (28/35)	35	

Evaluator: _____ Total: _____/35

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____

