



# GOLDER RANCH FIRE DISTRICT

## Engineer Practical Check Sheets

### Flowing Single Line

**Standards:**

NFPA 1010 Section 1002: 10.2.1, 10.2.1(B)

NFPA 1010 Section 1002: 10.2.2, 10.2.2(B)

**Task/Performance Outcome:**

The candidate shall be given the objective to flow a single hose line off a type 1 pumper. The single hose line must be pumped to the proper pressure and an effective fire stream is achieved.

**Required Personal Protective Equipment (PPE):**

Turnout pants/boots, helmet and utility gloves

**Required Equipment:**

- Type 1 pumper (with foam injection system)

**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 instructed to flow a single hose line using a given water source (tank, hydrant or drafting). The candidate must charge the hose line safely and smoothly when the hose line is ready to be charged. Once the hose line is charged with water the candidate must set the pump discharge pressure correctly. The candidate must ensure the discharge relief valve or pressure governor is set to the correct level for that hose line. The candidate must ensure the hose line is dressed for smooth advancement, leaks and kinks are addressed and truck vitals are monitored.



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Candidate Name:	Date:	
Initial Attack Line	Points Available	Points Earned
<b>Addresses Accountability.</b>	<b>CFC</b>	
Parking brake engaged.	1	
Pump engaged.	1	
Ensures that "OK to Pump" light is on.	1	
<b>Wheel Chocks placed prior to throttling up engine.</b>	<b>CFC</b>	
Tank-to-pump valve opened.	1	
Throttles truck between 1000-1200 RPM prior to operating primer.	1	
Operates Primer for a minimum of 3 seconds.	1	
Waits for line to charge before throttling up.	1	
Charges line with appropriate pressure within 10% of theoretical for the given hose line.  _____ psi	2	
Pressure relief device set for current pump discharge 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	
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	
D/O does 360 of the truck observing functions, leaks, kinks, hose placement, etc.	1	
Demonstrated overall efficiency and comfort with the evolution.	3	
<b>Total Points (17/21)</b>	<b>21</b>	

Evaluator: \_\_\_\_\_ Total: \_\_\_\_\_/21

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments \_\_\_\_\_  
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