
	STANDARD OPERATING GUIDELINE				
	EQUIPMENT				
	HOSE TESTING PROCEDURES				
	Effective: 01/May/96	Revised: 29/Apr/24	S.O.G. #: E-205	Page 1 of 3	

1.0 Objective

- 1.1 The purpose of this guideline is to establish safe and consistent methods for testing fire department hose.

2.0 Responsibility



- 2.1 It is the responsibility of all Department personnel to understand the procedures documented in this Standard Operating Guideline.

3.0 General Testing Information

- 3.1 When testing hose, place copy of Hose Test Report (HPF-13) in the Battalion Chief office. This document will be reviewed and passed along to personnel in charge of hose.
- 3.2 Clean apparatus floors prior to testing.
- 3.3 Do not use the pump operator's side discharge ports for hose testing.
- 3.4 The best place to test hose is the ramp at Station #33.
- 3.5 Stencil hose numbers on the 4" hose on both ends and both sides.
- 3.6 Stencil hose numbers on the female ends of the hose, both sides, for all other hose.
- 3.7 Mark the center of the hose with a straight line on all hose except 4".
- 3.8 Touch up any hose numbers that are faded.
- 3.9 When re-loading large diameter hose at a test site, use a hose roller to evacuate all water and air prior to re-loading the vehicle.
- 3.10 When hose fails a test, mark the area with chalk, place a rag around the damaged area, and place a cardboard wire tag around the coupling with the failure problem. Dry the hose in the normal fashion and then place on the racks at Station #33. Note the failure on the Hose Test Report (HPF-13).
- 3.11 When recording numbers for the hose test record, make sure you document the hose size and number.
- 3.12 When hanging hose in the Station #33 hose tower, separate the hose as best as you can to quicken the drying process.
- 3.13 An exhaust fan may be used for additional air movement to speed hose drying in the tower.

4.0 Hose Testing Procedures

- 4.1 Secure a water supply. Lay out hose with a maximum drop of 300 feet.
- 4.2 Check gaskets and tighten all couplings with a spanner wrench.
- 4.3 Check hose for outer jacket tears, coupling damage and worn or defective gaskets. Make any repairs that are possible.

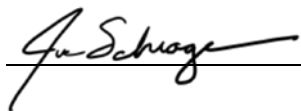
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- 4.4 Connect the hoses to the engine. Connect nozzles or gated wyes to end of the hose.
- 4.5 Secure hose on the engine with a rope hose tool 10 to 15 inches from the female end of hose.
- 4.6 Place a piece of wood under the nozzle or gated wye to prevent chafing.
- 4.7 Fill hose with water and pressurize to approximately 50 psi. Open nozzle or wye and bleed all air out of the line.
- 4.8 Use chalk or pencil to mark the couplings to see if there is hose separation from the coupling. A 1/16" to 1/8" inch uniform movement in the hose from the coupling on newly coupled hose is acceptable. There should be no movement on previously tested hose.
- 4.9 After each line has had the air evacuated from it, reduce the opening of the pump panel discharge gate valve to allow for the increase to test pressure without a water volume increase.
- 4.10 During the pump test, have an additional 50' of 1 3/4" hose connected to an outlet and flowing water during the 5 minute test period. This will assist in keeping the pump cool during the test.
- 4.11 Increase the pump discharge pressure slowly to the test pressure. Monitor hose connections for leaks. Increase pressure to that required by N.F.P.A. 1962: 250 psi for cotton-jacketed hose, 225 psi for both 4" rubber-jacketed and cotton-jacketed 4" supply hose.
- 4.12 Maintain the test pressure for 5 minutes, checking for weeping. Maintain a safety zone of 20 feet when checking for problems.
- 4.13 After 5 minutes, slowly reduce the pump pressure back to the idle pressure. Shut down all discharge ports.
- 4.14 Open all discharge nozzles and wyes. Drain the water and disconnect all lines.
- 4.15 Observe marks on hose couplings to see if the couplings moved.
- 4.16 Roll hose and either re-load or bring it into the station for proper cleaning and drying.

5.0 Reference

- 5.1 Highland Park Fire Department
- 5.2 NFPA 1962, Standard for the Care, Use and Service Testing of Fire Hose Including Couplings and Nozzles
- 5.3 Highland Park Fire Department Hose Test Report (HPF-13)

Approved



Fire Chief



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HOSE TEST REPORT

Date: _____ Vehicle ID: _____ Rack at Station: _____

Personnel: _____

	HOSE NUMBER	SIZE	LENGTH	IN-SERVICE DATE	PASS-FAIL	REMARKS
1						
2						
3						
4						
5						
6						
7						
8						
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