



# City of Winter Park Fire-Rescue Standard Operating Guideline

# 230.05

**Title:** Fire Hose Testing Procedures

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**Purpose:** To establish a procedure for the testing of all Fire Hose in the Winter Park Fire Department.

**Scope:** This procedure will be followed for the testing of all combat Fire Hose used in the Department. The Deputy Fire Chief or designee shall ensure that all hose is tested annually with the information being recorded into the Department's database. The Deputy Fire Chief is responsible for the replacement of all damaged or aged hose based on information provided from said testing. Deviation from the following procedure will rest with the Deputy Fire Chief or designee will be responsible for any deviation.

**General:** All the Fire Hose in the Department will be tested using the following procedures:

**NEW HOSE:** Tested to manufacturer's pressure prior to being put into service. (Test pressure should be held for a minimum of FIVE minutes)

**USED HOSE:** Tested to 250 psi on an annual basis (Test pressure should be held for a minimum of FIVE minutes)

## **230.05.01. Hose Testing Procedures:**

- Lay hose out in such a manner that it will not be subjected to any vehicular traffic. The hose should not be driven across at any time.
- Attach a nozzle to the end of each hose lay and open nozzle slightly while initially charging the hose to allow air to bleed out.
- Charge the lines and bring hose testing device to **200 PSI**.

- HOLD PRESSURE AT 200 PSI and walk the entire length of the hose lay. Be sure that no leaks or coupling slippage has occurred at this pressure. If no problems are noted, INCREASE the pressure to 250 PSI. Walk the hose lay again. Note any problems which occur in the proper place on hose inventory sheet, with the hose number, description, and location of problem.
- All hose is numbered in a manner reflective of the size of the hose, hose number, and the year the hose was placed in service. (2-38-01) would be 2 ½" hose, section #38, in service in 2001)
- Remove from service any section of hose that does not satisfactorily pass the test and replace it with a section that has been previously tested. Place the bad section of hose in an area of the hose rack designated for HOSE TO BE REPLACED.
- The same testing procedure applies for the testing of new hose, only use manufacturer's maximum pressure instead of 250 PSI during the test.

**SAFETY NOTICE: All personnel shall remain at a safe distance while hose is under pressure. An area should be secured behind, or in front of the hose being tested so if a failure occurs the hose will not come in contact with personnel or apparatus.**

**NOTE: At no time shall a vehicle mounted FIRE PUMP (Engines or Truck) be utilized to test fire hose. Using a vehicle-mounted pump for the testing of fire hose may result in damage and or failure of the pump. All fire hose should be tested using the appropriate hose-testing device.**



James E. White  
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