

Washington Township Fire Department Standard Operating Procedure

Division 500: Maintenance
Section 503: Fire & Rescue Tools & Equipment
Subject 503.02: Maintenance Tests - Fire & Rescue
Supersedes:



Approved By:

Date: February 28, 2005

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PURPOSE:

To establish a means for performance testing of critical equipment as recommended by nationally recognized standard or manufacturer recommendation.

RESPONSIBILITY:

Maintenance Department members will conduct the testing identified herein.

PROCEDURES:

The following testing will be completed as indicated:

GROUND LADDER TESTING – Will be conducted in September of each year by Maintenance Department members upon each ground ladder carried on apparatus, or used for training purposes. Conducted tests shall be as prescribed by the referenced publication(s) and the manufacturer. Test results will be recorded on Form #75-Ladder Test Form, and held until such time as the individual ladder is removed from service.

HOSE TESTING MACHINE INSPECTION & TEST – Will be conducted on the hose test machine by Maintenance Department members. Such tests will be completed prior to the machine being used at each test session. Conducted tests shall be as prescribed by the referenced Appendix. Test results are recorded and held in file.

NOTE: Acceptance Testing or Proof Testing of fire hose is not recommended.

References

NFPA Publications

NFPA 1931 Design of and Design Verification Tests for Fire Department Ground Ladders

NFPA 1932 Use, Maintenance, and Service Testing of Fire Department Ground Ladders

NFPA 1962 Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose

Ohio, State of, Bureau of Workers' Compensation, Division of Safety & Hygiene

Ohio Administrative Code, Chapter 4123:1-21, Firefighting

WTFD Directive

Appendix 503.02 – Hose Test Machine Inspection & Tests (see next page)

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APPENDIX 503.02 – HOSE TEST MACHINE INSPECTION & TEST

The condition of the Hose Testing Machine (HTM) shall be thoroughly checked before each testing session, and before transport to a new test site.

All HTM components will be carefully examined for any damage that may cause failure during the test.

Test gauge(s) of the HTM shall have been calibrated within the previous twelve months.

A pressure leak integrity test shall be performed on the HTM to determine whether the pressurized outlet side of the HTM and its related components are leak free.

The fire hose outlet connections of the HTM shall be closed or otherwise capped.

Pressure shall be applied through the machine using the integral pump to a level that is ten percent (10%) higher than the highest service test pressure needed for the hose to be tested.

The pressure shall be held for three minutes with the pump turned off.

If leaks are detected, the HTM shall not be used until the leaking component(s) is repaired or replaced.

Perform any other inspections or checks as recommended by the manufacturer.

Any damaged HTM components shall be repaired or replaced before use.

References

Manufacturer Publications

Any related maintenance manual, bulletin, or service document for the brand name machine

NFPA Publications

NFPA 1962 Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose

Ohio, State of, Bureau of Workers' Compensation, Division of Safety & Hygiene

Ohio Administrative Code, Chapter 4123:1-21, Firefighting