



ANN ARBOR FIRE DEPARTMENT

Standard Operating Procedures – 4.06 Hydrant Flow Testing



HYDRANT FLOW TESTING

Effective: August 30, 2024
Scheduled Review: August 30, 2027
Approved: Fire Chief Mike Kennedy

I. PURPOSE

This procedure provides direction for hydrant flow testing for hydraulic calculation for fire suppression system design.

II. HYDRANT FLOW TESTING

The fire prevention bureau generally conducts hydrant flow testing between April 1 and November 30. Hydrant flow testing will not occur under 40°F. If there is a sustained forecast of temperatures over 40°F between December 1 and March 31, the fire prevention may attempt to conduct flow testing based on staffing availability.

If flow testing is unable to occur, the fire marshal will refer the flow test request to the water department. The water department maintains a hydraulic model of the water supply in the City that can be used for approximation.

III. PROCEDURES

The flow test set up, testing, and calculations shall follow NFPA 24 Annex C Recommended Practice for Fire Flow Testing with the equipment provided.

IV. NOTIFICATIONS

Prior to conducting any flow test, the City Water Department must have a minimum of 48-hours notification via email.

V. FLOW TEST REPORTS

- A. Upon completion of the flow test, a copy of the report shall be:
 - i. Sent to the requester of the flow test.
 - ii. Sent to the City Water Department or updated in designated City utility system.
 - iii. Saved in the City of Ann Arbor SharePoint Prevention and Investigation site
- B. Along with the report, a GIS map showing the hydrants used, the hydrant number, and the water main size shall be sent and saved.

VI. REPORTS AND INVOICES

Flow test reports and invoices must be completed within five (5) City business days of the performed flow test. Usage of sick, vacation, or comp time is not included in this five (5) day limit.