



City of Greensboro
Water Resources Department
Engineering Division
2602 S Elm-Eugene St
Greensboro, NC 27406

**Fire Flow & Pump Tracking Request for
Water Extension Permit Application**

Date: ___ / ___ / ___

Applicant/Engineer Name: _____

Applicant/Engineer Email: _____

Project Name: _____

Project Site Address _____

TRC Review Tracking # _____

As a condition of receiving a water permit, the applicant must certify that the proposed extension shall be able to sufficiently produce the flows required for the projects fire and/or sprinkler demands. This includes, but is not limited to any necessary pumping or storage throughout the proposed extension without negatively impacting the existing distribution system. The applicant certifies that the design of the fire protection system is adequate to meet fire and/or sprinkler demands.

Applicant Signature _____

I. Please provide the following documentation with this submittal:

- Overall 11x17 site utility plan.
- Hydrant Flow Test report.
- Water Supply System Curve.
Note: *This is not the Hydrant Curve sent by the City of Greensboro.*
- Fire Pump Curves (if applicable).
- Other supporting documentation such as emails, modeling results, calculations, etc.

II. Provide what the maximum fire suppression system demand requirement is for the project at the point of connection to the public water system. **Note: "N/A or To be Determined" is not an acceptable answer.

Maximum Flow Required: _____ psi @ _____ gpm

III. Fire Hydrant Information:

Hydrant flow test information is representative of a single point in time of the system operation and is only valid for operational conditions during the test time. Flow test information is for reference and is valid for a period of 1 year from the date of test. The City does not guarantee the quality, quantity or pressure of its water supply. It is hereby made a portion of the terms on which the City furnished water to consumers that the City shall in no case be liable to any consumer for any defect in quality, quantity or pressure.

Starting November 1, 2024 fire flow request can be made online at

[Hydrant Flow Test Request Link](#)

If you have any hydrant flow test questions please call Water Resources at (336) 373-2033.

Provide a copy of the hydrant flow test report

Hydrant ID: HY _____ - _____

Date of Test: ___ / ___ / ___

Static: _____ psi

Residual: _____ psi

Flow: _____ gpm

Provide what the residual flow is at 20 psi: _____ gpm

IV. Fire Pump Information:

Will a fire pump be installed as part of the fire suppression system? Yes No

Pump Rating = _____ psi @ _____ gpm

Provide a copy of the Pump Curve clearly showing its Rated Pump Capacity at 150%.

V. Water Supply Information:

Provide a copy of the Water Supply Curve clearly showing the following information:

Note: If Item Number IV is checked No, then C-E below can be omitted:

A. City Water Supply (Hydrant Flow Test Data)

B. Sprinkler Demand

C. Pump Data (Rated Flow and Pressure & Maximum Flow and Pressure)

D. City Residual Flows based at 0 psi, 20 psi, & 150% of the Pumps Rated Capacity

E. City Water Supply Adjusted to Pump Inlet

Water Modeling Information can be obtained from the Water Resources Engineering Division at (336)373-2055.

This form is not required for TRC approval; however it is required before a water permit can be issued for the above referenced project. Please fully complete all required fields before submitting the application and allow 10 business days for review.

VI. Fire Suppression System Designer Contact Information:

Name and Title:		
Company:		
Mailing Address:		
City:	State:	Zip:
Phone:	Fax:	E-mail:
Signature:		Date:

FOR CITY OF GREENSBORO USE ONLY:

The submitted Fire Suppression System Demand is:

- Permitted for utility construction approval
- Denied due to the negative impacts placed upon the distribution system

(Signing Official)

(Date)

Approval Code – FFPTAR - _____ - _____
(Year) (Case No.)