



*Davidson County Fire Marshal's Office*  
*935 North Main Street Lexington, NC 27292*  
*Phone: (336)242-2270 Fax: (336)249-7863*



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**Construction Permit Application for:**  
*Installation or Modification to Fire Pumps and related Fuel Tanks, Jockey Pumps,  
Controllers, and Generators.*

**General Requirements:**

1. All Work including plans submitted for review shall meet the requirements set forth in the current code cycle under which the application is submitted of the North Carolina Building Code, Fire prevention Code, Mechanical Code, National Electrical Code, Administrative Code, and General Statutes as applicable.
2. All work including plans submitted for review shall meet the requirements set forth in applicable standards of the National Fire Protection Association specifically NFPA 20.
3. Submittals for a permit to install or modify a fire pump and/or related equipment shall include all required documentation and associated information requested in all sections of this application. This shall be accompanied by this application completed in its entirety, & shall be included at the time of submission. These documents shall be submitted to the Davidson County Fire Marshal at [plans.review@davidsoncountync.gov](mailto:plans.review@davidsoncountync.gov). Upon completion of review by the Fire Marshal, plans will be forwarded to Central Permitting for review by all trades.
4. Plan submittals **WILL BE REJECTED** if **ANY** portion of this application is not completed or accompanied by required information at time of submission. Completion of application and information required to be submitted will be the applicant's responsibility.
5. Upon completion and approval, the applicant will be notified that the plans have been approved, and the permit has been issued. The permit will be available for pick up between the hours of 8:30am & 4:30pm at the Central Permitting Office located at 912 Greensboro St Lexington, NC 27292. Allow 5 business days for processing upon receiving confirmation that the permit has been issued by the Fire Marshal. The Central Permitting Office can be contacted at (336) 242-2230.
6. Any changes or revisions to the original plan submittals will require a new application to be submitted along with all required documentation. This excludes revisions from mark-ups that result from the review process.
7. The permit fee is \$75.00 payable upon receipt of the permit.

## Section II

### Required Submissions:

Plans shall be drawn on an indicated scale, and shall indicate at a minimum items from the follow list that pertain to the design of the system.

1. Name(s) of owner & occupant (business or company).
2. Point of compass.
3. Name, address, phone number of installing contractor.
4. Pump make and model number.
5. Pump Rating \_\_\_\_\_ GPM at \_\_\_\_\_ PSI at \_\_\_\_\_ RPM.
6. Suction main size, length, location, type and class/schedule of material and point of connection to water supply, as well as depth to top of pipe below grade.
7. Water Storage tank information (if provided by others, a contact point of whom will supply the tank).
8. Size and type of valves, regulators, meters, and valve pits if applicable.
9. Water supply information including the following flow test information, if applicable.
  - (a) Location and elevation of static and residual test gauge with relation to the elevation reference point.
  - (b) Flow location
  - (c) Static pressure, psi
  - (d) Residual pressure, psi
  - (e) Flow, gpm
  - (f) Date.
  - (g) Time.
  - (h) Name of person who conducted the test.
  - (i) Name of water purveyor representative that witnessed the test.
10. Pump driver details including manufacturer and horsepower.
11. Voltage for electric motor-driven pumps.
12. Fuel system details for diesel –driven pumps.
13. Controller manufacturer, type, and rating.
14. Suction and discharge pipe, fitting, and valve types.
15. Test header piping and valves.
16. Flow meter details, if applicable.
17. Jockey pump and jockey pump controller arrangement, including details on sensing lines.

\*\*\*Maintenance on an existing system will not require a Construction Permit from the Fire Marshal\*\*\*

### Section III

**Design Professional:**

Name: \_\_\_\_\_  
                    First                                    Middle                                    Last

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Fax: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Other: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Email: \_\_\_\_\_ Application Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

### Section IV

**Project Location:**

Project name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

### Section V

**Davidson County Fire Marshal's Office use only:**

Date Received: \_\_\_\_/\_\_\_\_/\_\_\_\_

Date Completed: \_\_\_\_/\_\_\_\_/\_\_\_\_

Reviewed By: \_\_\_\_\_ Contact Number: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_