



DPS

Montgomery County
Department of Permitting Services



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REQUIREMENTS FOR THE SUBMITTAL OF FIRE PUMPS (ePlans)

Effective: June 1, 2016

Supersedes: October 1, 2014

*** Prior to employing a fire pump it must be demonstrated that the public water supply is inadequate to operate the system.***

A. Permit Procedures

1. Permits and submittals are required for all work involving any fire pump installation or replacement.
2. A complete permit application is required to be included with all submissions. Where standpipe installation is part of a sprinkler installation please refer to the NFPA 13, NFPA 14 and NFPA 20 combined fire protection submittal requirements document found under ePlans submittal requirements for fire protection systems.
3. For projects located within the [City of Gaithersburg](#), contact their Fire Marshal by calling 301-258-6330.
4. For projects located within the [City of Rockville](#), contact their Fire Marshal by calling 240-314-8240.

B. ePlans Submittal Requirements-

1. You must provide one copy of the calculations (as applicable). Each calculated area shall be submitted as a separate file into the documents folder of ePlans.
2. Catalog cuts sheets are required for all equipment provided with the fire pump. The fire pump and controller catalog cut sheets shall be submitted as a separate file from all other cut sheets in the documents folder of ePlans.
3. Each drawing shall be submitted as a separate file into the drawings folder of ePlans.
4. All plans submitted shall contain the sprinkler contractor's Maryland State and Montgomery County sprinkler contractor license numbers as well as the associated building permit number.
5. All information shall be consistent throughout, reflective of intended field conditions and conform to [NFPA 20](#) as amended by the Montgomery County Executive Regulations.

6. Where standpipe installation is part of a sprinkler installation please refer to the NFPA 13, NFPA 14 and NFPA 20 combined fire protection submittal requirements document found under ePlans submittal requirements for fire protection systems.

C. Fire Pump Details to be provided with submittal (in addition to [applicable code requirements as noted in NFPA 20 Subsection 4.3.2.1](#))

1. The minimum acceptable scale of plans shall be 1/8"-1'. Smaller areas and/or details shall be shown in 1/4"-1' scale.
2. A floor elevation and building section elevation (in relation to sea level) shall be provided on plans. This information shall correspond to gradient information.
3. A cross section of the pump
4. The pump bypass arrangement in scalable or dimensioned form.
5. The relief valve when allowed by [NFPA 20](#). Please note that Montgomery County permits the use of relief valves to reduce the operating pressure below 175 psi. at high gradient. Relief valves (other than for static water supplies) shall not be piped back into the source of the supply.
6. Provide the high hydraulic gradient (information to be retrieved from appropriate water authority) with the submittal.
7. An approved [WSSC](#) site plan (for new water service) which may be included in the pdf book uploaded into the documents folder.
8. A hydraulic information sheet (located on the [WSSC](#) approved site plan) which may be included in the pdf book uploaded into the documents folder.