

Penn Hills Fire Marshal's Office
102 Duff Road
Pittsburgh, Pa 15235
P: 412-342-1095

Fireworks Display Site Plan



Please provide information about your event, a sketch of the site, emergency action plan, and a copy of a certificate of liability insurance from the pyrotechnic vendor. This form can be faxed or mailed back along with a completed Fire Prevention Application Permit and associated permit fees. These documents and procedures are in accordance with the 2009 International Fire Code Section 3308 Fireworks Display, NFPA 1123 Code for Fireworks Display, and NFPA 1126 Standard for the Use of Pyrotechnics before a Proximate Audience. Submit this form and a Check or Money Order for \$50.00 payable to the Municipality of Penn Hills.

Site Plan

Pyrotechnics Vendor Information

Name (First, Last) _____

Street Address _____ City _____ State _____ Zip _____

Primary Phone _____ Mobile _____ Email _____

Event Information

Display Date _____ Rain Date _____ Display Time _____ am/pm

Exact Location of Display _____

Firework grading; Provide a listing of fireworks that are to be shot. The manufacture information regarding the grade of the firework must be included.

Fire Official Charles Miller, Fire Marshal Phone 412-798-2020 Mobile 412-475-4735

Place to meet on date of display _____ Meeting time _____ am/pm

Insurance Information Provide a copy of the Certificate of Liability Insurance

Contact information for day of the display

Primary Contact _____ Phone _____ Mobile _____

Secondary Contact _____ Phone _____ Mobile _____

Signature of Approving Fire Official: _____ (Application)

_____ (Site Visit)

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Preparers Name _____ Display Date _____

Site Sketch

Please sketch your display and provide as much information as possible about the site including firing location, spectator location(s), ground display pieces and other low-level fireworks products. Make sure your diagram indicates the locations and distances (in feet) to the firing site of the following:

- A. Spectators
- B. Parking
- C. Residences
- D. Commercial Buildings
- E. Churches
- F. Nursing Homes
- G. Schools
- H. Hazardous Materials (ex: Fuel Tanks)
- I. Roadways

Specifications for Firing Distances as per NFPA 1123

Shell Size	Separation Distances	Minimum Fallout Area Diameter
<3"	140'	200'
3"	210'	300'
4"	280'	400'
5"	350'	500'
6"	420'	600'
8"	560'	800'
10"	700'	1000'
12"	840'	1200'
>12"	Approval of the Authority Having Jurisdiction	

Signature of Approving Fire Official: _____ (Application)
_____ (Site Visit)

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Standard for the Use of Pyrotechnics before an Outdoor Audience

Mortars shall be separated from the spectator viewing areas, parking areas and occupied residences by at least 70' feet per inch of internal mortar diameter, except as noted in the above table. The area selected for the discharge of aerial shells shall be located so that the trajectory of the shells does not come within 25' feet of any overhead object. Ground display pieces shall be located a minimum distance of 75' feet from spectator viewing areas and parking areas. Exception: Ground display pieces with greater hazard potential, such as large wheels with powerful drivers, Roman candle batteries, and items employing large salutes, the minimum separation distance shall be increased to 125' feet.

Standard for the use of Pyrotechnics before a Proximate Audience

Portable firefighting equipment, four or more fire extinguishers of the classification and size approved by the authority having jurisdiction shall be readily accessible while the pyrotechnics are being loaded, prepared for firing, or fired. In all cases, at least two pressurized water, Class 2-A extinguishers and two Class 10-BC extinguishers shall be provided. Separation distances for audiences, each pyrotechnic device fired during a performance shall be separated from the audience by a minimum of 15' ft or twice the fallout radius of the device, whichever is greater, except where otherwise approved by the authority having jurisdiction. Concussion mortars and concussion effects shall be separated from the audience by a minimum of 25' feet.