

Pyrotechnic Application

1. Completed Application for State Permit is attached.
2. Proof of liability insurance is attached.
3. Plan for the use of pyrotechnic special effects:
 - a. City of Rochester Hills
 - b. November 22, 2024 at approximately 8:00 p.m.
 - c. 140 N. Adams Road, Rochester Hills, MI 48307
 - d. Michael Murtland is the pyrotechnic operator.
 - e. 4 Assistants:
 - i. Michelle Murtland – 47
 - ii. Connor Childs – 28
 - iii. Francesca Wilson – 32
 - iv. Dave Wallen – 61Michael Murtland has successfully shot 500+ displays of the same size or larger than the Rochester Hills display. He attends American Fireworks Company yearly safety seminar.
 - f. Michael Murtland has been a pyrotechnic operator for over 20 years and has shot over 500 displays in the United States.
 - g. There is no license required to be a pyrotechnicians in the State of Michigan but he (along with his crew) has cleared a federal background check conducted by the BATFE and is allowed to work under American Fireworks Company's ATF license.

	150	1"	22 mm COMETS AND MINES (1.4g, UN 0431, PG II)
i.	100	1.5"	40 mm COMETS AND MINES (1.4g, UN 0431, PG II)
j.	75	2"	50 mm COMETS AND MINES (1.4g, UN 0431, PG II)
k.	200		SPECIAL EFFECT FOUNTAINS, GERBS, FLAMES & CANDLES (1.4g, UN 0431, PG II)

All items will be shot using electric match. The pyrotechnic operator and his assistant has worked extensively with all of these, shooting more than 50 shows a year using these same types of devices. General responsibilities of the assistants will be setting up and securing racks, loading and plugging in product, assisting with continuity check and failed electric match checks and resolving any problems which can be resolved before shooting display, checking for unexploded materials after the display is shot and disassembling equipment, loading it back on the truck and cleaning the shoot site.

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- l. Site diagram is attached.
- m. All equipment will be assembled in its designated area on the shoot site, marked with the green pins on the site diagram.
- n. Pyrotechnics will arrive Friday morning the day of the display.
- o. SDS sheets are attached.
- p. All of our mortar racks are made of HDPE (high density polyethylene) or fiberglass, both of which are permitted for use of shooting pyrotechnic devices per NFPA 1123 and NFPA 1126 (4.3.7.1.), PGI (Official Fireworks Safety Guidelines 6.C.2) and A.P.A. (APA Display Fireworks Training Program 7.1.4.1.).