



City of Virginia Beach

FIRE PREVENTION BUREAU
(757)-385-4228
FAX (757) 385-5676
TTY: 711

VBgov.com
MUNICIPAL CENTER
BUILDING 21
2408 COURTHOUSE DRIVE
VIRGINIA BEACH, VA 23456-9065

Virginia Beach Fire Prevention Display of Aerial Fireworks Requirements

(Please read and initial all lines)

- All Fireworks shows requesting to shoot on any public beach within the City of Virginia Beach shall be denied. All proposed beach shows shall be moved to a display barge off shore.
- All applicants shall contact the Special Events and Film Office to complete any required paperwork.
- Handing lighting of fireworks is prohibited in the City of Virginia Beach
- Reloading of mortar tubes is prohibited.
- A minimum of 2 x 4 lumber shall be used for all rack bracing
- Cakes shall be secured with sandbags or stakes to prevent movement when firing
- Handling & disposal of damaged or unfired fireworks shall be per the manufacturer's instructions and NFPA 1123 under the guidance of the AHJ representative on site.
- Mortars shall be cleared of all debris prior to loading any display shells.
- Any defective or damaged equipment or fireworks shall be removed from service.
- Re-matching and firing of any shells post show shall be the discretion of the AHJ representative on site.
- All firework activity shall cease if there is any lightning strikes within 10 miles of the display site.
- All operators shall have their Virginia Shooter's card available on site for the AHJ representative.
- Smoking materials, matches, lighters, or open flame devices shall not be permitted within 50' of any area where fireworks or other pyrotechnic materials are present.
- Preparation areas for display fireworks shall be secured from public access by at least 100'.
- Post show inspection of mortar tubes shall be shall be a minimum wait time of 20 minutes.

At any time that the codes and standards in NFPA 1123 and the VSFPC are not followed creating a safety hazard the FPB has the authority to revoke the fireworks permit.

Signature of Applicant _____ Date _____



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Virginia Beach Fire Prevention Application for the Display of Aerial Fireworks

Instructions

All information must be printed in ink or typewritten.

Submit one (1) copy of this application and all its attachments to the FPB. The FPB must be in receipt of this application not less than 30 days prior to the event. A post mark or its equivalent is not the determining factor for having submitted an application in a timely manner.

- Line 1.** Provide name of person or company applying for a permit.
- Line 2.** List telephone number where applicant can be reached.
- Line 3.** Use mailing address the applicant can expect the quickest service.
- Line 4.** What is the physical address (location) of the permit applicant if it's different from the mailing address given.
- Line 5.** List city, state, and zip code for the complete mailing address.
- Line 6.** Print the name of the person submitting the application with their drivers license number and the of the licensure issuance.
- Line 7.** This application is for an **Aerial Firework Display permit**. Applications for an activity that requires a permit must be accompanied by the appropriate information allowing for an open line of communication between the Fire Prevention Bureau and the applicant.
- Line 7.1. Provide the name of the sponsoring group, person or organization.
- Line 7.2. Provide the name and telephone number of the sponsor's representative.
- Line 7.3. The exact location of the display is to be listed. Include as much information as may be available such as street address, intersection, City, County, or Town. A map would be desirable to augment the written information.
- Line 8.** Provide the date and anticipated time for the display. If multiple dates are planned, list the additional dates and time on a separate sheet. Label or indicate at the top of the additional sheet that it's an additional sheet for line #8.
- Line 8.1. This box is to be checked if the display of firework will occur on multiple, sequential days (dates). Checking this box is intended to apply **only** to those multi-day displays that are identical in location, types and number of shells. If the display dates are not sequential, if the number and/or types of shells are not identical to the day before, or if the identical display setups will occur at different location or dates, a new permit is required. (See line 13 for permit fee information).
- Line 8.2. If there is a planned rain date, provide the information requested. If a rain date is not scheduled, write N/A in the place indicated for date and time.

Line 8.3. Indicate the anticipated arrival time of the display shells on-site. The FPB may want to inspect to ensure the shells are not left unattended subsequent to arrival at the display site and/or the condition of the shells.

Line 9. The VBFP restricts underage personal from being operators or assistants.

Line 9.1. Provide the name and age of the operator that is in charge of the design, setup and functioning of the display. The operator must be at least 21 years of age.

Lines 9.2 and 9.3. List any qualifications or credentials the operator is willing to offer towards proof of being a qualified operator along with an account of actual experience in the number of shows within a given period on line 9.3. If additional space is needed for line 9.2, attach an additional sheet (not to exceed the standard 8 ½ by 11 inch dimension) to the application and label or indicate at the top of the attached sheet that it is an additional sheet for line # 9.2.

Line 9.3.1 List the required information as a reference.

Line 9.4. List the names, age, and contact numbers of all assistants that will be present. All assistants must be at least 18 years of age.

Line 10. Indicate what the mortars are constructed of.

Line 11. Additional items are to be attached as part of the application for permit. Placing a check in the boxes provided is a means for the applicant to determine or track for themselves they obtained or possess the required information, and have attached it to the application.

Line 11.1. A diagram is to be provided of the premises where the display will be fire. The diagram is to be drawn to scale, and show the markings as indicated on lines 11.1.1. through 11.1.5.

Line 11.1.1. Based on the largest shell to be fired, indicate the distance from the display.

Line 11.1.2. Within the diagramed radius, indicate where the shell and/or cakes are to be positioned and fired.

Line 11.1.3 Indicate the distance (in feet) the audience will be restrained from the display.

Line 11.1.4. Indicate the relative position and distance of significant building, highways, and overhead obstructions (e.g., utility, light poles, etc.).

Line 11.2. Proof of insurance or surety bond is required in an amount that is agreeable to the sponsor listed on line 7.1. and the permit applicant, but shall not be less than \$ 1,000,000.00. The proof of insurance or bond is to be attached to the application and submitted.

Line 12. The SFPC has certain prerequisites, conditions, and safeguards to be considered or complied with by the operator of the display. The application is intended to have the applicant acknowledge these prerequisites, conditions and safeguards by reading and initialing each item (Lines 12.1 thru 12.5.2.5). If the listed item is not applicable to the circumstance, the applicant is to write "N/A" in place of their initials.

Lines 13, 14, and 15. Self-Explanatory

An incomplete application, incorrect permit fee, or a late submission is subject to being returned to the applicant without further processing



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Virginia Beach Fire Prevention Application for the Display of Aerial Fireworks

(to be filled out by the fireworks company)

1. Name/Company:	2. Company Phone #:
3. Mailing address:	
3b. Email address:	FAX #:
4. Physical address if different from Line 3:	
5. City/State/Zip:	
6. Printed name of applicant representative whose signature appears on Line 14.	Lic Number and State

7. Sponsorship

7.1 The fireworks display will be sponsored by:

7.2. The name and telephone number of the sponsor's representative:

_____ () _____-

7.3. The fireworks display will occur at (Provide location by listing address, street intersection, name of complex, etc. Include name of City, County or Town):

8. The firing of display will occur on: (Date): _____ / _____ / 20__
 beginning at (time) _____: _____ am/pm and end at (time) _____: _____ am/pm.

8.1. [] Check this box if the firing of identical display firework setups will occur on multiple succeeding (sequential) dates and/or times. List all the dates and times on a separate page and attach it to this application.

8.2. In case of postponement due to weather or for other reason(s), the alternate date and time for line #9 is:

(Date): _____ / _____ / 20__ beginning at (time) ____:____ am/pm and end at (time) ____:____ am/pm.

8.3. The expected arrival of the operator (pyro technician) and product will be on

(Date): _____ / _____ / 20__ at (time) ____:____ am/pm.

9. Operators, Assistants, and Pyrotechnic Specifications.

9.1 Name, age and certification number of the pyrotechnic operator (person actually in charge of firing the display fireworks):

Name _____ Age _____ Certification # _____

9.2. List of any Qualifications/credentials the operator may possess or is willing to offer:

9.3. The pyrotechnic experience of the operator evidenced by having fired (check one in each column):

Number of shows fired	During a Period covering
<input type="checkbox"/> 1 - 5 Shows	<input type="checkbox"/> 1 - 6 Months
<input type="checkbox"/> 6 - 10 Shows	<input type="checkbox"/> 7 - 12 Months
<input type="checkbox"/> 11 -20 Shows	<input type="checkbox"/> 13 -24 Months
<input type="checkbox"/> Over 20 shows	<input type="checkbox"/> Over 24 Months

9.3.1. With the latest firing having occurred at (print):

Name of facility:	Date of firing:
Physical address of facility:	Name of sponsor:
Telephone number of sponsor:	

9.4. Name, ages and contact number of all shooters who will be present (attach additional pages as needed):

Name	Age	Contact Number

10. Mortars will be constructed of (check all that applies).

Steel <input type="checkbox"/>	HDPE <input type="checkbox"/>	Fiberglass <input type="checkbox"/>	Paper <input type="checkbox"/>	Cake Box <input type="checkbox"/>
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11. Additional Attachments

The following items shall be submitting with this application

11.1. A diagram of the grounds or facilities where the display will be held. (See application instructions)

11.1.1. the fallout radius (with an indication of distance in feet) for the largest shell to be used in the display; and

11.1.2. the point at which the shells and/or cakes are to be positioned and fired; and

11.1.3 the lines behind which the audience will be restrained (with an indicated distance in feet): and

11.1.4 location of significant buildings (with an indicated distance in feet), Highways, overhead obstructions and utilities; and

11.1.5 the indicated direction of North.

11.2. Proof of the permittee's insurance carrier or financial responsibility. A copy of a valid insurance policy or certificate of insurance with liability limits of not less than one million dollars (1,000,000) for personal injury and/or property damage. **Such insurance shall name the City of Virginia Beach as additional insured on copy, as the city's may appear, because of the subject pyrotechnics display.**

12. Conditions and acknowledgements

The applicant is required to review and initial the following requirements of the Statewide Fire Prevention Code (VSFPC) and referenced standards. By initialing each item, the applicant acknowledges their review and agreement to comply with any listed requirements as expressed in the VSFPC. (If the item does not apply to the circumstances, the applicant is to write N/A in place of their initial).

12.1. _____ Each shell is marked to indicate its size (e.g. "3-in. shell"), type (e.g. "2-break with report") and provides the name of the manufacture, importer, or distributor.

12.1.1. _____ There shall has a conspicuous warning label stating the shell is a dangerous explosive and is of contrasting color to the background.

12.1.2. _____ Each type of aerial salute is conspicuously marked with the word "Salute".

12.2. _____ The site has a radius of not less than 100 feet per inch of the diameter of the largest shell to be fired. The display site radius from health care and detention/correctional facilities, or to the bulk storage areas of materials that have a flammability, explosive, or toxic hazard, will not be less than 140' feet per inch of diameter of the largest shell to be fired.

12.2.1. _____ No spectators or spectator parking will be located within the display site.

12.2.2. _____ Any ground display pieces used will be located a minimum distance of 75' feet from the spectator viewing and parking area.

12.2.3. _____ After consulting with the sponsor, assurance is provided that the sponsor has made provisions to provide adequate fire protection for the display site and the local fire department has been made fully aware of the anticipated fireworks display.

12.2.4. _____ The sponsor has made provision to provide a sufficient number of monitors, with distinctive identification (e.g. badges, colored vests, etc.), whose solo duty is to enforcement of crowd control around the display area. The sponsor will determine the number of monitors with the concurrence of the Virginia Beach Fire Marshal’s Office and the operator. Where practical, fences and rope barriers may be incorporated by the monitors to aid in crowd control. Such barriers shall never be used to supplement, or take the place of required monitors or crowd control personnel.

12.3. _____ When firing shells electrically, the firing system is designed to ensure against accidental firing by providing at least a two-step interlock process that requires the operator to intentionally enable or arm the firing system; and deliberately apply firing power.

12.3.1. _____ The power source used for firing pyrotechnic devices is restricted to batteries or isolated power supplies used for firing purposes only.

12.4. _____ Except for securely fastened mortar racks; mortars shall be buried to a depth of at least 66.6% of their total length.

12.4.1. _____ Mortars shall be of sufficient length, strength and durability to fire the aerial shells safety and to safe heights.

12.5.2.1. _____ The tensile strength of steel pipe mortars will be at least 40,000 psi. Metal mortars with seams shall be positioned so that all seams face either left or right when viewing the line of mortars. The walls of the steel mortars will be a minimum thickness of:

Mortar ID (in)	Spherical	Cylindrical Single Break	Cylindrical Multi Break
3	0.04	0.11	0.21
4	0.05	0.12	0.23
5	0.06	0.13	0.25
6	0.07	0.14	0.27
8	0.09	0.16	0.31
10	0.11	0.18	0.35
12	0.13	0.20	0.39

12.5.2.2. _____ The cross grain tensile strength of paper mortars will be 2300psi. The wall of the paper mortars will be a minimum thickness of:

Mortar ID (in)	Spherical	Cylindrical Single Break	Cylindrical Multi Break
3	0.25	0.25	0.37
4	0.25	0.33	0.50
5	0.31	0.42	0.62
6	0.37	0.50	0.75
8	0.50	0.62	-
10	0.62	-	-
12	0.75	-	-

12.5.2.3._____The tensile strength of High Density Polyethylene¹ Plastic mortars will be at least 3500psi. The wall of plastic mortars will be a minimum thickness of:

Mortar ID (in)	Spherical	Cylindrical Single Break	Cylindrical Multi Break
3	0.15	0.20	³
4	0.20	0.26	³
5	0.25	³	³
6	0.30	³	³
8	²	³	³
10	²	³	³
12	²	³	³

¹. If any plastic pipe is used, such as PVC, shooter shall provide proof or evidence the material meets or exceeds the 3500-psi threshold.

². Data not currently available

³. Provide documentation from the plastic manufacturer that provides or proof the material meets or exceeds the 3500-psi threshold.

12.5.2.4._____The tensile strength of fiberglass reinforced epoxy mortars will be at least 11.000-psi. The wall of fiberglass reinforced epoxy mortars will be a minimum thickness of:

Mortar ID (in)	Spherical	Cylindrical Single Break	Cylindrical Multi Break
3	0.07	0.11	²
4	0.11	0.11	²
5	0.11	0.11	²
6	0.11	0.11	²
8	0.25	²	²
10	0.25	²	²
12	0.25	²	²

²Data not currently available

12.5.2.5._____The inside mortar length will be a minimum of:

Mortar ID (in)	Spherical	Cylindrical Single Break	Cylindrical Multi Break
3	15	18	21
4	20	23	27
5	24	28	32
6	28	32	37
8	34	40	46
10	40	46	54
12	46	52	62

13. By my signature below, I attest the above information is accurate and correct. I acknowledge and agree to comply with all applicable requirements of the Virginia Statewide Fire Prevention Code (VSFPC) and the referenced NFPA 1123 standard governing the use, storage and firing of display fireworks, even those not specifically expressed in this application.

I also acknowledge that if a permit is issued based on this application, it shall:

1. Be valid only at the location listed on the application, and for the specific date(s) and time(s) for which it is issued; and
2. Does not convey approval to store explosives (display fireworks) beyond the temporary (less than 24-hour) on-site storage of display fireworks on the date of the approved display.

This application and attachments need to be submitted with the required permit fee of **\$450**.

For timely processing, submit this application and all its attachments to Fire Prevention Bureau at the address listed below or emailed not less than 30 days prior to the planned event.

VBFMO@VBGOV.COM

or

Attn: Fire Prevention Bureau
2408 Courthouse Drive, Building #21
Virginia Beach, Virginia, 23456

Payment should be made to the City of Virginia Beach Treasurer's Office

Failing to submit the application and payment in a timely manner is basis for denial of the application and permit

If approved for permit issuance, I acknowledge that a copy of this application and all its attachments will be available on site during the dates/times noted in the application and constitutes approval to proceed with the activity applied for. I further acknowledge and understand that any VSFPC violations identified after permit issuance any result in immediate permit suspension or revocation.

14. Signature of applicant (person listed on line 6):	15. Date
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To be completed by FPB personnel only

Application reviewed by: _____ Date: _____

Application is: Approved [] Not Approved []

Signature of reviewer: _____

Comments:
