



# Operational Permit Application



## Explosives - Small Arms Storage and Sales

[www.cityofvancouver.us/departments/fire-department](http://www.cityofvancouver.us/departments/fire-department)

International Fire Code as adopted by VMC 16.04 (Washington State Fire Code)

### Permitting Requirements

An **operational permit** is required for the manufacture, storage, handling, possession, sale, or use of any quantity of explosives, explosive materials, or pyrotechnic special effects as regulated by WSFC 105.5.16.

Small arms ammunitions are classified as 1.4S explosives and are subject to regulations under WSFC 5606, NFPA 495 and DOTn 49 CFR Parts 100-185.

The scope of this permit is intended assist applicants who intend to store, display and/or sell small arms ammunitions.

### Project Information

Site Address		Owner Name	
Other			

### Applicant Information

Company Name		Address		
Contact Name				
Office Phone		Cellular		Email

### Contractor

Company Name		Address		
Contact Name				
Office Phone		Cellular		Email
Related Permits:	RES _____	CMI _____	DEF _____	MPE _____

### Description of Work


Explosives Type:	<input type="checkbox"/> Small arms ammunition in retail packaging <input type="checkbox"/> Primers in retail packaging <input type="checkbox"/> Black Powder in retail packaging <input type="checkbox"/> Other (Specify): _____
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## Electronic Plan Standards

### File Naming Standards:

Electronic plans and documents shall be named as specified in the City of Vancouver [ePLANS](https://www.cityofvancouver.us/business/permits-licenses-and-inspections/eplans/) system:

<https://www.cityofvancouver.us/business/permits-licenses-and-inspections/eplans/>



### Acceptable File Types:

Plans, calculations, specifications and supporting documents shall be uploaded as a PDF file.

### Plan Sheet Standards:

All plans shall be drawn to scale, as identified in the checklist, and each sheet shall state the scale and show a measurable scale on the page for measurement calibrations.

### Document Orientation:

All plans must be uploaded in "Landscape" format in the horizontal position with a north indicator. All other documents can be in "Portrait" format.

### Stamped:

Where documentation contains a code analysis or engineering calculations, such documents shall be stamped by the design professional.

## Definitions

See WSFC chapters 2 and 56, RCW 70.74.10, and applicable Codes of Federal Regulations (CFR) definitions sections and NFPA Standard definitions.

## Minimum Submittal Checklist for Upload to ePLANS

- ☐ Completed Fire Operational Permit Application – Explosives Small Arms Storage and Sales (this document) Check all *Permit Conditions* checkboxes that are applicable to your project
- ☐ Completed Materials Management Plan (HMMP) documents and supplemental documents (*See Document Details* below) or for fireworks display, Hazardous Materials Inventory Statement (HMIS) shall be submitted.
- ☐ Site plans and floor plans (see *Plan Details* below)

## Document Details

Provide a narrative and list as follows:

List the high season volumes of ammunition, powers, and primers that could ever be on site:	
Describe how, and where, the regulated products are stored and displayed:	

**An HMMP must contain the following minimum elements:**

Word Document: <https://www.cityofvancouver.us/wp-content/uploads/2023/10/Hazardous-Materials-Management-Plan.docx>

PDF Document: <https://www.cityofvancouver.us/wp-content/uploads/2023/10/Hazardous-Materials-Management-Plan.pdf>

- ☐ Facility Information Form: Business Activities Declaration page
- ☐ Facility Information Form: Business Owner/Operator Identification page
- ☐ Hazardous Materials Inventory Statement (HMIS)
- ☐ HMIS Hazard Class Summary Report
- ☐ Emergency Response/Contingency Plan
- ☐ Employee Training Plan
- ☐ Recordkeeping
- ☐ Facility Site Plan & Storage Map
- ☐ SDS documentation

**In addition to the HMMP documents listed above, provide the following documents:**

- ☐ All current fire protection system inspection reports
- ☐ Insurance public liability certification in the amount determined by the City of Vancouver
- ☐ Environmental impact assessment
- ☐ Local authority and property owner permission documentation.
- ☐ Copy of emergency drills and employee training records.
- ☐ A list of types, sizes and quantities of explosives, detonation cords and caps, etc.
- ☐ A list of types, sizes and quantities of fireworks and their classifications (1.3G fireworks are also known as UN 0335 by the DOTn).
- ☐ Method of transport and storage.

## Plan Details

The following is a list of information required on all plan submittals for review of an explosives permit. The plan shall be drawn to 1/8" = 1'-0" minimum scale. The applicant is required to submit all applicable information so an accurate and timely review may be completed:

**General:**

- ☐ Site plan including the other structures, property lines, locations of structures on other neighboring properties, and distance measurements between all structure locations from the magazine(s) as well as listings for each magazine for products, and quantities stored. Also identify the location of all on-site fire suppression to include fire pumps, ponds, water supplies, layout of fire lanes, gas meter, portable fire extinguishers, fire engine staging, and Knox lock equipment if installed.
- ☐ Proximity to wildfire risk areas
- ☐ Site plan including buildings, magazines, and other structures with distance measurements.
- ☐ Drawing/floor plan of building including all entrance and exits, location of primary and secondary exit routes, locations of fire extinguishers, fire protection system panels, risers, and/or other fire protection control systems and/or panels, identify increased fire rated construction for the purpose of storing ammunition and locations or storage cabinets.
- ☐ Copy of the emergency plan compliant with Chapter 4 of the 2021 WSFC.
- ☐ Information on the types of fire alarm systems installed, and when they were last inspected (provide report/photo of current inspection tag(s)). This shall include all fire alarm systems or other gas detection systems at the facility.
- ☐ Information of the sprinkler system type, fire extinguishers and their locations or any type of alternate (including but not limited to automatic hood suppression, paint booth systems, clean agent, etc.) fire protection system and last inspection date (provide photo/report of current inspection tag(s)).

**Storage:**

- ☐ Written details listing the types of explosives stored and their specific amounts and intended uses.

## Permit Conditions

The following is a list of Chapter 56 WSFC requirements related to explosive operations. Use this form to confirm that all applicable requirements are met. Non-applicable requirements can be left blank.

### General:

- ☐ Indoor storage and display of small arms ammunition shall be maintained in compliance with Section 5606 of the WSFC and NFPA 495.

### Specific requirements for retail display and storage include:

- ☐ Quantities of small arms ammunition on display must be limited to what is reasonably anticipated for a day's business needs.
- ☐ Ammunition must be kept in closed containers to prevent handling by unauthorized persons.
- ☐ Ammunition storage areas must be kept locked when unattended.

### Storage requirements:

- ☐ Small arms ammunition must be separated from flammable liquids, flammable solids, and oxidizing materials by a 1-hour fire barrier.
- ☐ Containers of small arms ammunition must not be stored next to exits or in areas that would impede safe egress in an emergency.

### Quantity limitations:

- ☐ The total quantity of small arms ammunition stored or displayed in a building is typically limited based on the building's construction type and fire protection systems.

### Display cases:

- ☐ Ammunition in retail display cases must be secured and inaccessible to unauthorized persons.

### Signage:

- ☐ "NO SMOKING" signs are required to be posted in areas where small arms ammunition is stored or displayed.

### Small Arms Ammunition:

- ☐ Indoor storage and display of black powder, smokeless propellants, small arms primers, small arms ammunition, and commercial reloading shall comply with WSFC 5606 and NFPA 495 (WSFC 5606.1).
- ☐ Small arms ammunition shall not be stored together with Division 1.1, Division 1.2, or Division 1.3 explosives unless the storage facility is suitable for the storage of explosive materials (WSFC 5606.2).
- ☐ Smokeless propellants shall be stored in approved shipping containers conforming to DOT 49 CFR Part 173 (WSFC 5606.3).
  - ☐ Repackaging: The bulk repackaging of smokeless propellants, black powder and small arms primers shall not be performed in retail establishments (WSFC 5606.3.1).
  - ☐ Damage: Damaged packages shall not be repackaged (WSFC 5606.3.2).  
Exception: Approved repackaging of damaged containers of smokeless propellant into containers of the same type and size as the original container.
- ☐ Black powder for personnel use in quantities not exceeding 20 pounds shall be stored in original containers in occupancies limited to Group R-3. Quantities exceeding 20 pounds shall not be stored in any Group R occupancy (WSFC 5606.4.1).
- ☐ Smokeless propellants for personnel use in quantities not exceeding 20 pounds shall be stored in original containers in occupancies limited to Group R-3. Smokeless propellants in quantities exceeding 20 pounds but not exceeding 50 pounds and kept in a wooden box or cabinet having walls of not less than 1-inch nominal thickness shall be allowed to be stored in occupancies limited to Group R-3. Quantities exceeding these amounts shall not be stored in any Group R occupancy (WSFC 5606.4.2).
- ☐ Not more than 10,000 small arms primers shall be stored in occupancies limited to Group R-3 (WSFC 5606.4.3).
- ☐ Not more than 20 pounds of smokeless propellants, in containers of 1 pound or less capacity each, shall be displayed in Group M occupancies (WSFC 5606.5.1.1).

- ☐ Not more than 1 pound of black powder shall be displayed in Group M occupancies (WSFC 5606.5.1.2).
- ☐ Not more than 10,000 small arms primers shall be displayed in Group M occupancies (WSFC 5606.5.1.3).
- ☐ Commercial stocks of smokeless propellants shall be stored as follows (WSFC 5606.5.2.1):
  1. Quantities exceeding 20 pounds, but not exceeding 100 pounds shall be stored in portable wooden boxes having walls of not less than 1-inch nominal thickness.
  2. Quantities exceeding 100 pounds, but not exceeding 800 pounds, shall be stored in nonportable storage cabinets having walls not less than 1-inch nominal thickness. Not more than 400 pounds shall be stored in any one cabinet, and cabinets shall be separated by a distance of not less than 25 feet or by a fire partition having a fire-resistance rating of not less than 1 hour.
  3. Storage of quantities exceeding 800 pounds, but not exceeding 5,000 pounds in a building shall comply with all of the following:
    - ☐ The warehouse or storage room is not open to unauthorized personnel.
    - ☐ Smokeless propellant shall be stored in nonportable storage cabinets having wood walls not less than 1-inch nominal thickness and having shelves with not more than 3 feet of separation between shelves.
    - ☐ Not more than 400 pounds is stored in any one cabinet.
    - ☐ Cabinets shall be located against walls of the storage room or warehouse with not less than 40 feet between cabinets.
    - ☐ The minimum required separation between cabinets shall be 20 feet provided that barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades must extend not less than 10 feet outward, be firmly attached to the wall and be constructed of steel not less than ¼-inch thick, 2-inch nominal thickness wood, brick, or concrete block.
    - ☐ Smokeless propellant shall be separated from materials classified as combustible liquids, flammable liquids, flammable solids, or oxidizing materials by a distance of 25 feet or by a fire partition having a fire-resistance rating of 1 hour.
    - ☐ The building shall be equipped throughout with an automatic sprinkler system installed in accordance with WSFC 903.3.1.1.
  4. Smokeless propellants not stored in accordance with Item 1, 2, or 3 shall be stored in a Type 2 or 4 magazine in accordance with WSFC 5604 and NFPA 495.
- ☐ Commercial stocks of black powder in quantities less than 50 pounds shall be allowed to be stored in Type 2 or 4 indoor or outdoor magazines. Quantities greater than 50 pounds shall be stored in outdoor Type 2 or 4 magazines. Where black powder and smokeless propellants are stored together in the same magazine, the total quantity shall not exceed that permitted for black powder (5606.5.2.2).
- ☐ Commercial stocks of small arms primers shall be stored as follows (5606.5.2.3):
  1. Quantities not to exceed 750,000 small arms primers stored in a building shall be arranged such that not more than 100,000 small arms primers are stored in any one pile and piles are not less than 15 feet apart.
  2. Quantities exceeding 750,000 small arms primers stored in a building shall comply with all of the following:
    - ☐ The warehouse or storage building is not open to unauthorized personnel.
    - ☐ Small arms primers shall be stored in cabinets. Not more than 200,000 small arms primers shall be stored in any one cabinet.
    - ☐ Shelves in cabinets shall have vertical separation of not less than 2 feet.
    - ☐ Cabinets shall be located against walls of the warehouse or storage room with not less than 40 feet between cabinets. The minimum required separation between cabinets shall be allowed to be reduced to 20 feet provided that barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades shall be firmly attached to the wall and shall be constructed of steel not less than ¼ - inch thick, 2-inch nominal thickness wood, brick, or concrete block.

- ☐ Small arms primers shall be separated from materials classified as combustible liquids, flammable liquids, flammable solids, or oxidizing materials by a distance of 25 feet by a fire partition having a fire-resistance rating of 1 hour.
- ☐ The building shall be protected throughout with an automatic sprinkler system installed in accordance with WSFC 903.3.1.1.

The owner/operator shall be responsible to maintain compliance with all applicable Federal, State, and local laws, regulations and standards for fire and life safety, including, but not limited to International Fire Code chapter 56, DOTn 49 CFR parts 100-185, NFPA 495, NFPA 498, NFPA 1122, NFPA 1125, NFPA 1127, NFPA 400, RCW 70.74 and RCW 70.77.

**NOTE:** *This is not intended to be an all-inclusive list. The WSFC requirements listed are intended to ensure that we have adequate information to begin a review of the application, and so that the applicant understands their responsibilities. Additional information may be required, and additional conditions may apply.*

**This permit is not transferrable to another type or size of material, operator, owner, location, or date(s).**

**I understand that all applicable codes apply and that other regulatory codes may also apply. Errors and/or omissions on the plans and corrections from field inspections are the responsibility of the owner/operator. All work is subject to compliance with City of Vancouver ordinances and laws of the State of Washington.**

APPLICANT NAME: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_

APPLICANT SIGNATURE: \_\_\_\_\_