

 <b>CRFD</b>	Castle Rock Fire and Rescue Department
	<b>LIFE SAFETY DIVISION GUIDELINE</b>
	Subject: Explosive Blasting Guideline Date initiated: 01-01-2015 Date revised: 01-12-2016
	Approved:  Richard Auston, Division Chief/Fire Marshal Life Safety Division

**APPLICABLE CODES AND STANDARDS:**

- International Fire Code (IFC), Edition 2012
- Bureau of Alcohol, Tobacco and Firearms (BATF) Explosive Guidelines
- State of Colorado Public Utilities Commission (PUC) requirements
- United States Department of Transportation (USDOT) requirements
- State of Colorado, Department of Labor and Employment Explosive regulations

**INTENT:**

The intent of this document is to establish accurate guidelines for the application for a permit and the use of explosives for blasting operations as required by the **IFC Section 202 and Chapter 56**.

**SCOPE:**

The scope of this document is to provide the necessary steps in reporting hazardous materials at the businesses.

**DEFINITIONS:**

- BATF: Bureau of Alcohol, Tobacco and Firearms  
CRFD: Castle Rock Fire and Rescue Department  
IFC: International Fire Code  
NFPA: National Fire Protection Association  
SDS: Safety Data Sheets, previously referred to as MSDS

**ATTACHMENTS:**

- 1) NONE

**RESPONSIBILITY:**

It is the responsibility of the Life Safety Division to complete a permit application and conduct a safe blasting operation with an understanding of the fire code requirements by following this guideline.

**CODE BACKGROUND:**

Castle Rock Fire and Rescue Department (CRFD) has completed plan review documents and issued permits for all blasting operations that take place within the jurisdiction. This is a requirement of the IFC adopted by the Town and County. All reviews, permits and field inspections will be in accordance with this guideline as well as the requirements outlined in the IFC, and other documents noted as references in this guideline.

**INITIAL SUBMITTAL REQUIREMENTS:**

A completed Town of Castle Rock Fire and Rescue Departments explosive / blasting permit application.

***NOTE:*** the plan review process takes a minimum of 10 working days from the date the application, plans and all required paperwork is submitted as noted in the permit application. If a rush permit is required prior to be issued prior to the minimum of the 10 working days a double fee will be assessed.

The application packet must include the following:

1. A certification of liability insurance in the amount of \$1,000,000 minimum with the Town of Castle Rock named, as an additional insured is required.
2. A current copy of your State of Colorado Department of Labor and Employment Division of Oil and Public Safety explosive permit(s).
3. A current copy of your Bureau of Alcohol, Tobacco, Firearms and Explosives (BATFE) license / permit for the manufacturing of high explosives.
4. A current copy of your Bureau of Alcohol, Tobacco, Firearms and Explosives (BATFE) license / permit for the use of high explosives.
5. A current copy of the PUC from the State of Colorado Hazardous Materials transportation permit.
6. A current copy of your US DOT Hazardous Materials Certificate of Registration.
7. A current copy of the contract, agreement, or written permission from the property owner authorizing blasting operations.
8. A current copy of the invoice from the supplier showing the total number of pounds of product on site.
9. A current copy of the SDS for all products being used or stored on the site.

10. A site plan showing the following but not limited to:

- The proposed location of blasting operations.
- Adjacent properties, roadways, utilities and structure.
- Perimeter of the blast area.
- Location of the charges.
- Location of the firing control panel.
- Location of the explosive storage containers.
- Location of fire extinguishers with the type and rating.
- Location of the nearest telephone to be used by the explosives handling crew.

11. Copy of safety / emergency plan including but not limited to:

- Safety requirements and procedures for storage, use and transportation of explosives.
- OSHA hazardous communication program (including SDS).
- Emergency procedures.
- Procedures for dealing with misfired or partial charges in the blast area.

12. The Blasting Information Required form must be completed and submitted:

**PRIOR TO ALL BLASTING OPERATIONS:**

Prior to any blasting:

1. The blasting company shall have a third party company perform pre-blast surveys on all structures within 500 feet of the blast site upon approval of the property owner. Should the owner, operator, occupant or other person responsible for the property refuse the survey, the blasting company shall provide written documentation of the refusal to the blasting company, owner, occupant or other person responsible for the property and the Town of Castle Rock Fire and Rescue Department.
2. Prior to any blasting or pre-blast surveys the blasting company shall notify all occupied structures within 1000 feet of the property lines of the site upon which any blasting operations are to occur by certified mail or direct delivery, that blasting will be occurring and that a third party company will be conducting pre-blast surveys within 500 feet of the blast site, as required by **Section 3307.16 Pre-Blast Survey**. The blasting company shall provide a copy of the written documentation and documentation of which owner, operator, occupant or other person responsible for the property were notified. The Town of Castle Rock reserves the right to require notifications beyond 1000 feet, depending on the site conditions and proximity to existing residential and / or commercial areas.

**BLASTING OPERATIONS GENERAL OPERATING GUIDELINES:**

During all blasting operations the items addressed on the permit must be followed, all safety requirements contained within the referenced standards as well as the following must be maintained at all times:

1. The permittee shall prevent fly rock / debris by use of blast mats and / or additional coverage.
2. This permit allows blasting operations within the town limits of the Town of Castle Rock and the Castle Rock Fire Protection District for the time period stated above.
3. This permit is valid only as long as the permittee submits, to the Castle Rock Fire and Rescue Department, current state, federal permits and proof of insurance.
4. A separate permit is required from the Town of Castle Rock Public Works / Engineering Department for blasting in any right of way.
5. A separate permit is required from the Town of Castle Rock Fire and Rescue Department to store explosives on site.
6. The Town of Castle Rock noise ordinance requires construction to occur between the hours of 7:00AM & 10:00PM weekdays and between the hours of 8:00AM and 10:00PM on weekends.
7. The blaster shall notify the Town of Castle Rock Fire and Rescue Department Administrative offices at (303) 660-1066 and the Douglas County Sheriff's Office / Fire Communications Center a minimum of one hour prior to blasting at (303) 660-7500.
8. The permittee shall comply with all Local, State and Federal regulations governing this type of work.
9. Should you have any questions please feel free to contact the Town of Castle Rock Fire and Rescue Department Life Safety Division at (303) 660-1066, or by email at: FPO@crgov.com

## BLASTING INFORMATION REQUIRED

Complete all of the following information:

Project Name / Address:	
Property Owner Name: Address: Cell Phone: Email:	
Blasting Contractor: Address: Cell Phone: Email:	
On-Site Blaster Information: Name(s): Cell Phone: Email:	
Explosive Vendor: Address: Phone: Email:	
Transporter: Address: Phone: Email:	
Arrival date of explosives:	
Blasting Date(s):	
Blasting Time(s):	
Amount of explosives: In each shot (pounds): TOTAL on site:	