

NOTICE: Section 5607.16 of the 2012 edition of the Virginia Statewide Fire Prevention Code (SFPC) requires the use of the shot record referred to as “Form 5607.16”. The SFPC does allow the blaster in charge to use another format so long as it contains the minimum data and information indicated in Form 5607.16. This form is a public document and may be printed and used without obtained permission prior to its use.

**Virginia Statewide Fire Prevention Code
Form 5607.16
Blast (shot) Record**

Block 1				
General Information				
1	Blast date:	Blast No.:	Blast Time:	Permit No.:
2	Blast location by address including city, county or town:			
3	Blast location by GPS coordinates: <input type="checkbox"/> check box if unknown			
4	Name of Permit Holder:			
5	Name of Blaster in charge (print):			
6	Signature of Blaster in charge:			
7	Certification Number of Blaster in charge:			

Block 2			
General environmental conditions			
1	Weather (Clear? Cloudy? Overcast?)	Wind direction and speed @ _____ mph	Temperature F° / C°
2	Topography: (Flat? Hilly? Mountainous?)	Distance from blast site to nearest inhabited building:	Distance from nearest inhabited building determined by: <input type="checkbox"/> GPS coordinates <input type="checkbox"/> Measurement <input type="checkbox"/> Estimated
3	Use of nearest inhabited building? (Dwelling? Business? Apartment Building? School?)	Direction from blast site to nearest inhabited building:	Direction from blast site to nearest inhabited building determined by: <input type="checkbox"/> GPS instrument <input type="checkbox"/> Compass <input type="checkbox"/> Estimated
Additional Blaster notations on environmental conditions:			

Block 3			
Shot layout and precautions taken (N/A = Not Applicable)			
1	No. of holes	Diameter of hole(s)	Depth of hole(s)
2	Were any holes decked? <input type="checkbox"/> Yes <input type="checkbox"/> No	How many holes were decked? <input type="checkbox"/> N/A	How many decks per hole? <input type="checkbox"/> N/A
	(If applicable, indicate on any attached shot pattern drawing which holes were decked and the number of decks for the hole[s].)		
3	Shot pattern <input type="checkbox"/> Check this box if only single hole.	Depth of sub-drilling	Drilling angle
4	Burden	Spacing of holes	Water height
5	Stemming height	Material used for stemming	Check box for flyrock precautions taken <input type="checkbox"/> Mats <input type="checkbox"/> Overburden <input type="checkbox"/> None taken
Additional Blaster notations on shot layout and precautions:			

Block 4			
Seismic control measures (N/A = Not Applicable)			
1	Was Scaled Distance Formula used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Indicate which Scaled Distance equation was used. <input type="checkbox"/> N/A <input type="checkbox"/> $W(\text{lb})=[D(\text{ft})/50]^2$ <input type="checkbox"/> $W(\text{lb})=[D(\text{ft})/55]^2$ <input type="checkbox"/> $W(\text{lb})=[D(\text{ft})/65]^2$	Max. Allow. Chg. Wt. per 8 ms based on Scaled Distance. <input type="checkbox"/> N/A
2	Was seismograph used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Seismograph manufacturer and model number: <input type="checkbox"/> N/A	Seismograph serial number: <input type="checkbox"/> N/A
			Seismograph's last calibration date. <input type="checkbox"/> N/A
3	Distance and direction seismograph from blast site <input type="checkbox"/> N/A	Distance determined by: <input type="checkbox"/> N/A <input type="checkbox"/> GPS coordinates <input type="checkbox"/> Estimated <input type="checkbox"/> Measurement	
4	Seismograph <input type="checkbox"/> N/A Geophone Minimum Frequency _____ Hz Seismograph Microphone Minimum Frequency _____ Hz	Seismograph recordings: <input type="checkbox"/> N/A Transverse _____ in/s _____ Hz Vertical _____ in/s _____ Hz	
5	Seismograph trigger level <input type="checkbox"/> N/A _____ in/s _____ dB	Longitudinal _____ in/s _____ Hz Acoustic _____ dB _____ Hz	
Additional Blaster notations on seismic control measures:			

Block 5				
Quantity and product				
1	Max. Allow. Chg. Wt. per 8 ms Interval _____ lbs <input type="checkbox"/> Delay not used	Initiation (Check) <input type="checkbox"/> Electric <input type="checkbox"/> Non-electric <input type="checkbox"/> Electronic		
2	Max. No. of Holes/Decks per 8 ms interval _____ lbs <input type="checkbox"/> Delay not used			
3	Max. Wt. or sticks of Explosive per hole _____ lbs	Firing device manufacturer and model: <input type="checkbox"/> N/A		
Explosive Product listing (Attach additional pages as needed.)				
4	Manufacturer	Product name, description or brand	Number of units	Unit weight (lb)
5	Total explosive weight in this shot:			lbs.
Additional Blaster notations on product and quantities:				

Block 6	
Completion of shot record and general comments	
General comments on shot not included in notes above:	
Date shot report completed:	Time shot report completed:
Printed name and signature of person completing shot report if different from Block 1, Lines 5 and 6.	(Print)
	(Signature)