

BLASTING PLAN DATA (Item # 16.2 and 16.3)

APPLICANT		Application/Permit No.	
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Location where Blasting Log will be kept for Inspection: _____

Peak Particle Velocity Determination Method(s)¹: _____ Airblast - Microphone²: _____

If a seismograph will be used, provide the: **Make:** _____ **Model:** _____

Distances from Blast Area to Structures/Maximum Amount of Explosives per 8 Millisecond Delay						
Type of Structure	Distance (in feet)	Pounds of Explosives per delay		Type of Structure	Distance (in feet)	Pounds of Explosives per delay
Nearest Residence*				Gas Well		
Nearest Public Building*				Gas Pipeline		
Active Underground Mine **				Utility Line/Pole		
Abandoned Underground Mine**				Public Road		
Municipal Water Tank				Railroad		
Water Line				Railroad Tunnel		
Other type(s): specify						
* A Blast Design is required when the blasting will occur within 1,000 feet of a residence or public building.						
** A Blast Design is required when the blasting will occur within 500 feet of an active or abandoned underground mine. Attach the MSHA concurrence forms and material (3 copies bound separately), if an active underground mine is present.						

TYPICAL BLAST DESIGN									
<input type="checkbox"/> Sketch of Blast Design attached (check if applicable).									
	Hole Diameter (in.)	Hole Depth (ft.)	Burden (ft.)	Spacing (ft. X ft.)	# Decks	# Holes per Blast	Amount Explosives per Hole (lbs.)	Amount Explosives per 8 ms Delay (lbs.)	Stemming Length (ft.)
Max.				X					
Types of Explosives:					Method of Firing:				

Certified Blaster's Name: _____ Certification No.: _____

Signature³: _____ Date: _____

¹ Specify the **Peak Particle Velocity Determination Method(s)** which will be used: **1** = Scale Distance Equation (4 VAC 25-130.816.67(d)(3)(i)); **2** = Ground Vibration Chart (4 VAC 25-130.816.67(d)(2)(i)); **3** = Modified Scale Distance Equation (4 VAC 25-130.816.67(d)(3)(i)); **4** = Blasting Level Chart (4 VAC 25-130.816.67(d)(4)). Any of the methods may be used. A seismograph record must be provided for each blast under Methods #2, 3, or 4.

² For Airblast measurement, identify the Microphone type: **1** = 2Hz or lower , **2** = 6Hz or lower

³ The Blaster's signature is only needed if a blast design is required.