

Pre-Blast Review Form

Blast Security:

- Weather_____
- Who_____
- Where_____
- When_____
- Communication Method(s)_____
- Signage_____

Free Face Conditions:

The Drill Log(s):

PPE:

Designed Vs. Actual Burden & Spacing:

Borehole Deviations (diameter, orientation, and/or depth):

Overhead and Underground Hazards (including any notifications required):

Other Considerations and Concerns:

Blasters Signature:

_____ Date: _____

Designated Employee's Signature:

_____ Date: _____

Site Specific Drilling & Blasting Procedure Form

_____ Quarry

1. Date Requested: _____ Date Approved: _____ Approved By: _____

Description of site specific procedure:

2. Date Requested: _____ Date Approved: _____ Approved By: _____

Description of site specific procedure:

3. Date Requested: _____ Date Approved: _____ Approved By: _____

Description of site specific procedure:

Blast Diagram Template

DATE: _____ LOCATION: _____ SHOT # _____

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
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Design Comments: _____

Depth: _____

Design Pattern: _____

Sub-drill: _____

Hole Diameter: _____

Approx. Tons: _____

BLASTER: _____ **Date:** _____

SUPERVISOR: _____ **Date:** _____

ATTACH TO BLASTING RECORD

Drill Log Template

LOCATION _____	HOLE SIZE _____	In.	# of HOLES
TYPE PATTERN _____	BURDEN _____	Ft.	SPACING _____
FACE HEIGHT _____	Ft.	SUBDRILLING _____	Ft.
		GRID LOCATION	

Hole #	Actual Depth Drilled	Actual Hole Angle (degrees)	Actual Hole Azimuth	COMMENTS ON HOLES (cracks, cavities, loose material on top, water, seams, etc.)
1				
2				
3				
4				
5				
6				
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SPECIAL CONSIDERATIONS:

DRILLER: _____ DATE: _____

SUPERVISOR: _____ DATE: _____

BLASTER: _____ DATE: _____

COPY: DRILLER
BLASTER

Bulk Explosive Weight Tickets

Date:	
Blasting Company:	
Truck #:	
Gross Weight:	
Tare Weight	
Net Weight of Explosives Used:	

Date:	
Blasting Company:	
Truck #:	
Gross Weight:	
Tare Weight	
Net Weight of Explosives Used:	

Date:	
Blasting Company:	
Truck #:	
Gross Weight:	
Tare Weight	
Net Weight of Explosives Used:	

Pre-Blast Site Safety Meeting | Example Topics

Items to be considered:

- Are all blasting personnel wearing hard hats, safety shoes, safety glasses and high visibility clothing?
- Will it be necessary to perform work within 6 feet of the highwall crest? If yes, is approved fall protection equipment available?
- Have any necessary fall protection methods, as well as physical barricades been discussed with the Designated Employee?
- If applicable, have physical barricades been placed at the highwall crest?
- Has the drill log been prepared by the Driller and reviewed by the Blaster prior to loading?
- Has the Blaster inspected all free faces prior to loading?
- What is the minimum amount of stemming required?
- Vibration concerns (how many feet away and how many pounds per delay can be shot?)
- Direction of blast to minimize potential flyrock issues.
- What equipment may need to be moved out of the potential flyrock zone?
- Has the Blaster made certain that his or her personnel understand their role/s?
- Do the personnel involved understand what explosive product is being used and how much will be loaded in each borehole?
- Make sure the access onto the Blast Site can be achieved safely with equipment.
- Prior to loading, ensure that the Blast Site is barricaded with blast warning signs to protect against unauthorized entry and any non-essential vehicle being driven into the Blast Site.
- Check to see if any boreholes will have to be driven over to facilitate proper shot loading? If so, how can this be minimized without losing a borehole?
- Determine where Blast Area Guards need to be positioned.
- Will additional Blast Area Security assistance be required for this blast?
- Does everyone on the team have access to communications with other team members?
- Can the entire Blast Area be safely seen from the blast initiation location?
- Is there adequate shelter for the person triggering the blast?