**BLASTING PLAN DATA** (Item # 16.2 and 16.3)

|  |  |  |  |
| --- | --- | --- | --- |
| **APPLICANT** |  | **Application/Permit No.** |  |

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. | | | | | | |

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| **TYPICAL BLAST DESIGN**  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.

BLD-034D