Lighten Up ... Your Legal Exposure The Importance of Good Recordkeeping

M. Bowling - Friedman Leak PA





Not me, I'm really good at my job

- I know my job. I'm good at it.
- I'm honest and I have clear conscience.
- I am not going to get caught up in all that corporate stuff about record keeping and lawsuits.
- I am going to mind my own business and leave all that to the company.



Not me, I'm really good at my job

- Being good at your job is NOT GOOD ENOUGH!!
- It sounds good but does not work
 - ✓ Does not matter how good you are at your job.
 - ✓ It is not a corporate issue, it is a licensed blaster issue they can only get to the company through you.
 - Individual liability
 - Reputation
 - Employment
 - ✓ Minding your own business may sound good, but the legal system makes your business the public's business....
 - Outside issues
 - Health issues
 - Employment history



How are they going to prove we did that ?!

- They don't have to....The law does not require the plaintiffs to prove cause!
 - ✓ You would have more rights if you committed a crime than you do when you are accused of causing damage by blasting vibration. YOU ARE NOT INNOCENT UNTIL PROVEN GUILTY!
 - Strict liability
 - Dangerous activity
 - Ultra hazardous activity



How are they going to prove we did that ?!

- If an activity involves the potential for serious harm to people or property, no matter how carefully it is undertaken, then those responsible for the act will be held strictly liable for any resulting damages.
- All the plaintiff has to do is to say they heard/felt a blast and then noticed damage



I'll take my chances with a jury

- Are you sure of that? Who will be on my jury?
- You aren't being judged by your "peers." You will be judged by people who know nothing about what you do and probably don't like you
 - Unemployed
 - ✓ Housewives (gender gap)
 - Underemployed
 - ✓ Non-technical
 - ✓ Non-educated



I'll take my chances with a jury

- Most juries will not understand the science or the technology involving in blasting.
 - ✓ Hundredths of thousands
 - ✓ Inches per second
 - ✓ Linear decibels
 - ✓ Structure response
- About the only thing they understand is "<u>lawful</u>"... we followed the <u>law</u> and industry <u>standards</u>
 - ✓ Homeland security
 - ✓ BATF
 - ✓ DANGER
 - ✓ HAZARD



Examples about what we are talking about...





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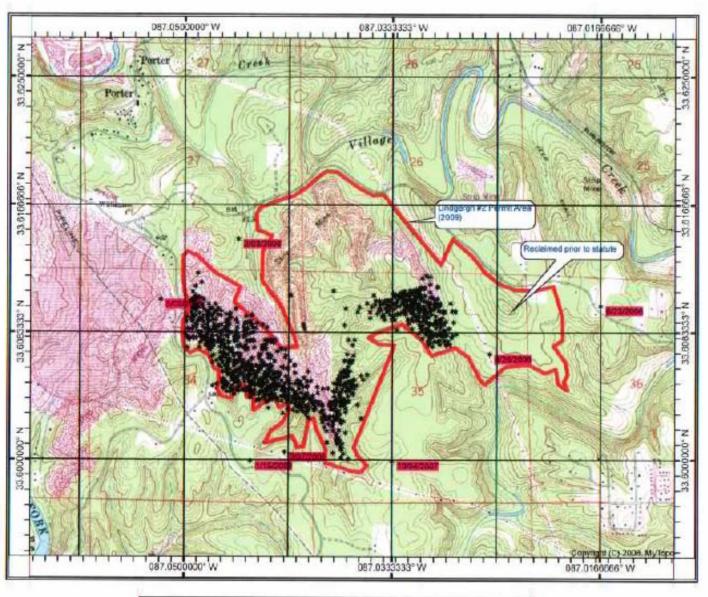


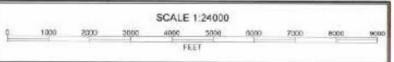
BLASTING REPORT

	Permit Numbers	
Location Quick	Shot Numbers 4-26-06	memora
	Shot Information	
Holes Loaded By:	Date Holes Loaded: 4-21-05	
Blaster in Charge:	Certification Number: Cauy3	_
Dates Holes Shot: 4-26-06	Times Holes Shot: 4.06 am/	ma
GPS: Garmin Floox Latitude: 33 36	5.35.2 Longitude: 67.01.32.1 County: Jefferson	_
No. of Persons in Blasting Crew:		
Nearest Building Types: 54 Shilo Direc	ction from Blast: Southeast Distance from Blast: 4913.	
	Winds: 4 5-10 mgh	
Method of Firings: pone electronic	Circuit Types: pone clastronic	
	Explosive Type: Emulsion	_
Seism Location: JA		
Distance: 🕡 🕳		_
Drill Ingersal Hole Diamete		
Maximum Weight Explosive Detonated per 8MS: 13		_
Maximum Weight Explosive Allowed per BMS: 214	12	
Type of Delay: 500ms	Delay Interval: 25 ms	
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Bulk Explosive Weight

Number BIC 210		T RECOR		Date 12	19/50/02		
	IDENTIFICATION			WEIGHT			
		10:25 A	WEIGHT	27,660 LB	lbs. In		
		11:49 A	WEIGHT	15,440 LB	lbs. Out		
	-			12,220 LB	lbs. Used		
Commodity			Driver: On [Off [per lb		
Shipper							
Seller Buyer							
Address	· .		-				

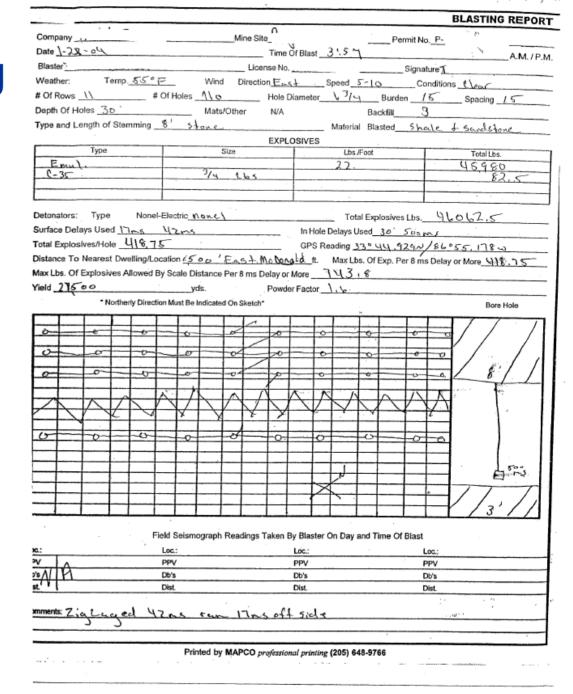


Blast No.: 58 Blast type: Stone Quarry/Stone Mine - Overburden/Stripping Customer Date/Time: 12/21/05 10:37 Pit/Permit: Location: STRIPPING ENVIRONMENT Weather: Clear Terrain: Flat Structure Name: McCABE RES. Compass Point: NW Temperature: Structure Type: HOUSE Direction/Bearing: 307° Wind From: NW Method Used: U.T.M. Distance: 1.001 ft Wind Velocity: 0-5 Blast U.T.M.: N1720723 E1874085 Structure U.T.M.: N1721322 49 E1873283.597 LAYOUT No. of Holes: AB Hole Depth: 20.0 ft Burden: 15.0 ft Water Depth: 0.0 ft No. of Rows: 10 Subdrilling: 0.0 ft Spacing: 17.0 ft Stem Length: 8.0 ft Diameter: 6.000 in Face Height: 20.0 ft Back Fill Depth: 0.0 ft Stem Type: 67'S Mats Used: No Drilling Angle: 0* Material Blasted: Limestone WEIGHTS Scaled Distance Factor Used: D/W = 55 Electric: Yes Max. Allow. Chg. Wt. per 8 ms w/o Seismograph: 272 lb Volume Produced: 16,622,2 vc Firing Device: Single Series Max. No. of Holes Per 8 ms interval: Weight Produced: 2.00 37.699.1 t Other Method: Max. Wt. of Expl. Per 8 ms Interval: 270.0 Іь Powder Factor 1: 3.617 t/l Mfg and Model: REO- CD-450 Max. Wt. of Explosive Per Hole: 135.0 lb Powder Factor 2: 0.627 lb Initiation Settings: 125 MS Actual Scaled Distance Factor: 60.92 Rock Density: 2.268 t/v Series Resistance (ohms): #1-25.00 SEISMOGRAPH Seismograph Type: Date: Trigger Level: in/s dB Transverse: in/s Hz Time: Calibration Date: Vertical: in/s Hz Distance From Blast: ft Calibration Signal: Longitudinal: in/s Hz Direction From Blast: Geophone Min Freg: Hz Acoustic: dΒ Readout: Mic. Min Freq: Hz Vector Sum: in/s Location: U.T.M.: Reader and Firm: Analyst and Firm: Installer and Firm: CREW Blast Occurred Other Than Scheduled Time: No Misfire Occurred: No Protective Cover: ROCK TRUCK License Number Certification In Charge Tied In Chk. Tie-In Yes Yes Yes Yes No Yes No No Yes PRODUCTS AND SERVICES Total Weight of Explosives (Include Primers): 10,423.00 lb Product Description Quantity Weight (II Bulk 10.360.0 lb 10.360.00 Boosters 84.0 ea 63.00 WPP HEET BAG 5" X 44" 2.0 ea 0.00 Blast Service-Blast Crew 1.0 ea 0.00 Custom Blasting Services 1375 1.0 ea 0.00 Comments/Explanations Layout: SHOT LOCATION; N-1720723; E-1874085; BENCH ELEV.-564; MAP NUMBER-5/17/04; SBD #3

PLANT MANAGER



Distance to **Nearest Dwelling**





Distance to Nearest Dwelling

	IC.			BLASTING REPO
Company MS+R	Mine S:	0	Dan-St. C	
Date 10 - 27 - 09 Blaster		Time Of Black	Permit NoF	
Blaster, Weather: Temp. & 3°, # Of Rows & / # (Depth Of Holes # O	Licen	ise No	Simologia	A.M. / P
Weather: Temp. 830	Wind Direction	n S W Snee	d O : 5	
# Of Rows # 9 # 0	Of Holes (S)	Hole Diameter 6	Condi	tions Sunky
Depth Of Holes 80	Mats/Other	N/A	7 y Burden 78	Spacing / S
Type and Length of Stemming	15 Cattonic	i tat	erial Blasted 5/x/	
	/	EXPLOSIVES	errai biasted_ 5 /2/	ε
Туре	Size \$.bs/Foot	Total Lbs.
Anto (-35.	10 H W. 31	/-	3	27,500
(-23	3/4			52.5
Maria Cara Cara Cara Cara Cara Cara Cara		1.32		
etonators Type Nonel-E	Inetion of A Cont.			
Detonators: Type Nonel-Europe Delays Used 17— solution Delays Used 17— solution Delays Used 150 m	HOUR VORE!	*	Total Explosives Lbs	27,352,5
otal Evolusives/Hota 3900 m	15	in Hole Delay	s Used 40 475n	s 80 5 0c.
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stance To Nearest Owelling/Loca	Cool City Date INCE	o vala ft. Max	Lbs. Of Exp. Per 8 ms De	lay or More_390, 75
ax Lbs, Of Explosives Allowed By eld <u>3ろしのの</u>				6.9
510	yds. Must Be Indicated On Sketch*	Powder Factor	.8	9
Northerly Direction	Must Be Indicated On Sketch*			Bore Hole
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Field	Seismograph Readings Ta	ken By Blaster On O	y and Time Of Blast	
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and down in	wy cradling	e to a CF	*	
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BLAST REPORT

DATE:	9	28	09
	MO	DA	VI

0886 MO DA	Y
SHOT NO. TIME OF BLAST 4:52 COMPANY (PERMITTEE) LOCATION	
COMPANY (PERMITTEE)	
PERMIT NO. LOCATION AT JOB SITE / PIT U 34° SB. 386' W 085° /3. 630' WEATHER: TYPE OF TERRAIN: O HILLY WIND DIRECTION: (CIRCLE ONE)	
WEATHER: TYPE OF TERRAIN: CLAHUY	-
CHAT WIND DIRECTION: (CIRCLE ONE)	
(N) (NE) (E) (E	E)
VELOCITY 0-5 MPH TEMPERATURE 900 DEGREES F (S) (SW) (W) (N	W)
MEARIEST DROTECTED STRUCTURE:	
NAME OF STRIPTING AND TYPE	
NAME OF STRUCTURE AND/OR TYPE TOOTSE LANE DISTANCE 139'	/FT.
DIRECTION/BEARING DISTANCE 132' (IN OHIO, DIRECTION MUST BE STATED IN DEGREES)	
METHOD LIBERT (CINCLE) (N) (NE) (E) (SE) (S) (SW) (M) (NW)	
OR COMPASS POINT (CIRCLE) (N) (NE) (E) (SE) (S) (SW) (MV) (NW) METHOD USED: D MEASURED D GRID MAP OF TOPO MAP OF OTHER: RANGE (TIMOSE)	
TYPE OF MATERIAL BLACTER 1	
NO. OF HOUES AT NO. OF ROWS BURDEN 4: SPACING 3 DEPTH AL-34' FACE HEIGHT 19.5 BACK FILL DEPTH ALA SUB-DRILLING 3 LENGTH OF STEMMING 16-18' TYPE OF STEMMING 34' STOWE WERE BI ASTING MATS USED: 17.755 AMOUNT OF STEMMING 16-18' TYPE OF STEMMING 34' STOWE	
SPACING 3 DEPTH 21-1V FACE LEIGHT 10 SPACEN	
SUBDRILLING 2 LENGTH OF CITE HOLD IN CALL DEPTH ALL	-
MEDICAL HACTING MATE HOLD	
WERE BLASTING MATS USED: O YES OLANO IF YES, TYPE USED: LA	
EXPLOSIVES TOTAL QUANTITY SECOND DITCH 3'18416 TOTAL QUANTITY MANUFACTURER EXECUTION	
MANUFACTURER EXS. Arch	
MANUFACTURER	
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MANUFACTURER	
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MANUFACTURER	
TYPE OF PRIMER ESADITA TOTAL WEIGHT OF EXPLOSIVES (INCLUDE PRIMERS) 254	
TYPE OF INITIATION SYSTEM: DELECTRIC MANUFACTURER	
TYPE OF INITIATION SYSTEM: O ELECTRIC MANUFACTURER	
and the state of t	
MON ELECTRIC MANUFACTURER MAKEN	
DELAY DETONATORS USED (TYPE) 40' 85/500 ZIA DES (31) 43 MS SUCERCE (6)	_
DELAY DETONATORS USED (TYPE) 40' 857520 ZIA DES (31) 43 MS SCERCE (6)	_
DELLY DETONATORS USED (TYPE) 40' 857500 ZIP ARG (31) Hams Science (6)	
DELAY DETONATORS USED (TYPE) 40' 2016700 ZIA DESC (31) 13 MS SOCIOSE (0) INITIATION METHOD: D SEQUENTIAL MACHINE/TIMER SETTING 14 MACHINE/TIMER SETTING 16 MACHINE/TIMER SETTING 17 MACHINE/TIMER SETTING 16 MACHINE/TIMER SETTING 17 MACHINE/TIMER SETTING 17 MACHINE/TIMER SETTING 18 MACHINE/TIMER S	
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SEPTEMBER 24, 2009

Today		Tonight	Tomorrow

Cloudy		Scattered T-Storms	Partly Cloudy
90°F		75°	85°
Feels Like:		Low	High
Past 24-hr: Precip: 0.13 Snow: 0 in	in (est.)	Chance of Precip: 40%	Chance of Precip: 20%
Wind: From NNE	at 3mph	Wind: WSW at 9mph	Wind: NW at 12mph
Humidity: Dew Point: Pressure:	85% 64° 30.00 in 1	95%	46%
Pressure: Visibility:	30.00 in 1 9.0 mi		
UV Index:	1 - Low		5 - Moderate



Sund	ay Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Se	eptem	ber 20	09			
		1	2	3	4	5
6	7	8 8:35am 6\ast	9	10 4:35pm little blast	11 .	12
13	14	15	16 8:55am blast	17	18	19
20	21	22	23	24 4:55pm BIG!! Blest Called Quarry to Complain	25	26
27	28	29 4:25pm 1:HIE blact	30	,		



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