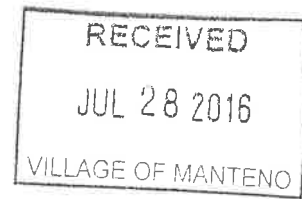




Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov



Bruce Rauner, Governor
Wayne A. Rosenthal, Director

July 25, 2016

Village of Manteno

Attn: Ms. Janice Schulteis

98 East Third Street

Manteno, Illinois 60950

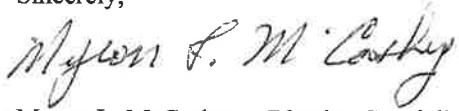
Dear Ms. Schulteis:

The Illinois Department of Natural Resources installed a blasting seismograph on property located at 1203 Whitetail Drive, Manteno, Illinois [REDACTED] and at the [REDACTED] residence at 1143 Whitetail Drive, Manteno, Illinois. Seismograph # 4214 was installed at the [REDACTED] residence on 04/13/16 to replace seismograph # 1105 which was determined to not be recording correctly during the 03/30/16 download of the #1105 instrument at the Bobera residence. Sometime after 04/29/16, Mr. [REDACTED] removed the seismograph from his property, due to the showing and selling of his house, and stored the seismograph in his garage on the property. On 05/24/16 the Department installed this seismograph (# 4214) at the [REDACTED] residence where it will stay. All of the headings on the enclosed paperwork state that the seismograph was located at the [REDACTED] residence. These heading will be changed to the [REDACTED] property on the next download of this seismograph. Enclosed, please find a copy of the seismographic data obtained at the [REDACTED] and [REDACTED] locations. This data includes blasting events occurring at the VCNA Prairie, Inc. – North Central Materials quarry from 04/13/16/16 through 06/16/16.

The first page(s) of digital information is a summary of all events recorded by the seismograph, including both blasting and non-blasting events. All subsequent pages are copies of the waveform analysis of the recorded events determined to be blast induced vibrations. The analysis of the waveforms indicate compliance with the regulatory limits established to prevent damage to protected structures.

Looking at the waveform analysis, four (4) channels of information are displayed. The first channel is the acoustic or airblast waveform. The regulatory airblast limit is 133 decibels (dB). The next three channels are the ground vibrations waveforms, measured in three (3) mutually perpendicular directions (Radial, Vertical and Transverse). The regulatory ground vibration limit is 1.0 inch per second (ips) for all three (3) directions of motion. If you have any questions concerning this seismograph information, please contact myself at (815) 216-2361 (cell).

Sincerely,

A handwritten signature in cursive script that reads "Myron L. McCaskey". The signature is written in dark ink and is positioned above the printed name.

Myron L. McCaskey – Blasting Specialist

Explosives and Aggregate Division

Office of Mines and Minerals

Enclosure

cc. M.McCaskey

P. Jaderholm

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry**

~~VCNA Prairie Inc.~~ Property *Man 23*

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
*c:\myron\seismograph...\421420151124001.dtb 001	11/24/2015 11:30	0.5025 0.0	134 0.0	0.5000 0.0	0.5025 0.0	0.4925 0.0	4214	0.0200 142	6.5 x4
*c:\myron\seismograph...\421420160413002.dtb 002	4/13/2016 16:45	0.5200 0.0	134 0.0	0.5175 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
*c:\myron\seismograph...\421420160417003.dtb 003	4/17/2016 04:46	0.5200 0.0	134 0.0	0.5175 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160418004.dtb 004	4/18/2016 15:26	0.1075 33.0	110 7.0	0.0575 14.4	0.1075 33.0	0.0675 19.3	4214	0.0800 132	7.2 x4
*c:\myron\seismograph...\421420160422005.dtb 005	4/22/2016 03:27	0.5225 0.0	134 0.0	0.5175 0.0	0.5225 0.0	0.5125 0.0	4214	0.0800 132	7.0 x4
*c:\myron\seismograph...\421420160425006.dtb 006	4/25/2016 15:28	0.5175 0.0	134 0.0	0.5150 0.0	0.5175 0.0	0.5100 0.0	4214	0.0800 132	7.2 x4
*c:\myron\seismograph...\421420160429007.dtb 007	4/29/2016 03:29	0.5200 0.0	134 0.0	0.5175 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160429008.dtb 008	4/29/2016 13:33	0.0950 10.6	114 5.1	0.0950 10.6	0.0900 32.0	0.0775 11.0	4214	0.0800 132	7.2 x4
*c:\myron\seismograph...\421420160503009.dtb 009	5/3/2016 01:35	0.5200 0.0	134 0.0	0.5175 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.2 x4
*c:\myron\seismograph...\421420160506010.dtb 010	5/6/2016 13:36	0.5200 0.0	134 0.0	0.5150 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.2 x4
*c:\myron\seismograph...\421420160510011.dtb 011	5/10/2016 01:37	0.5200 0.0	134 0.0	0.5200 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160510012.dtb 012	5/10/2016 13:37	0.0450 128.0	142 11.0	0.0325 128.0	0.0300 102.4	0.0450 128.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160510013.dtb 013	5/10/2016 13:37	1.2000 37.9	<100 0.0	0.4400 128.0	1.2000 37.9	0.3300 2.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...\421420160510014.dtb 014	5/10/2016 13:38	0.7000 2.0	<100 0.0	0.5800 2.0	0.5400 2.1	0.7000 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160510015.dtb 015	5/10/2016 15:50	1.2800 3.2	112 64.0	1.2800 3.2	0.1300 204.8	0.1650 56.8	4214	0.0800 132	7.1 x4

* Denotes a calibration event.

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Serial Number	Seismic Trigger (ips)	Battery
Number	Time	Hz	Hz	Hz	Hz	Hz	Number	dB	Gain
c:\myron\seismograph...421420160510016.dtb 016	5/10/2016 15:51	0.1800 12.9	100 0.0	0.1800 12.9	0.0175 170.6	0.0275 146.2	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160510017.dtb 017	5/10/2016 15:53	1.2800 2.5	126 46.5	1.2800 2.5	1.1800 51.2	0.9700 102.4	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160510018.dtb 018	5/10/2016 15:54	1.2800 3.2	100 0.0	1.2800 3.2	0.0300 204.8	0.0800 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160510019.dtb 019	5/10/2016 19:06	0.2225 3.1	100 0.0	0.2225 3.1	0.0100 204.8	0.0125 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160510020.dtb 020	5/10/2016 19:06	0.2700 3.9	100 0.0	0.2700 3.9	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160510021.dtb 021	5/10/2016 19:10	0.1450 6.4	106 0.0	0.1450 6.4	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511022.dtb 022	5/11/2016 16:28	0.0825 6.6	117 2.4	0.0825 6.6	0.0100 341.3	0.0100 256.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511023.dtb 023	5/11/2016 16:30	0.3500 5.3	100 0.0	0.3500 5.3	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511024.dtb 024	5/11/2016 16:32	0.3900 3.7	100 0.0	0.3900 3.7	0.0075 256.0	0.0150 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511025.dtb 025	5/11/2016 16:33	0.4900 4.1	100 0.0	0.4900 4.1	0.0100 204.8	0.0150 170.6	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511026.dtb 026	5/11/2016 16:37	1.2200 3.9	100 0.0	1.2200 3.9	0.0900 204.8	0.0800 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511027.dtb 027	5/11/2016 16:38	0.1975 9.6	<100 0.0	0.1975 9.6	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511028.dtb 028	5/11/2016 16:41	0.0950 7.5	<100 0.0	0.0950 7.5	0.0075 256.0	0.0100 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511029.dtb 029	5/11/2016 16:45	0.1975 7.5	<100 0.0	0.1975 7.5	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511030.dtb 030	5/11/2016 16:47	0.3300 3.7	100 0.0	0.3300 3.7	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
c:\myron\seismograph...421420160511031.dtb 031	5/11/2016 16:52	0.2750 4.4	<100 0.0	0.2750 4.4	0.0075 341.3	0.0075 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511032.dtb 032	5/11/2016 16:54	0.8300 3.0	100 73.1	0.8300 3.0	0.1025 204.8	0.0675 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511033.dtb 033	5/11/2016 17:02	0.2625 4.9	106 0.0	0.2625 4.9	0.0850 170.6	0.1125 170.6	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511034.dtb 034	5/11/2016 17:11	0.1125 4.2	<100 0.0	0.1125 4.2	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511035.dtb 035	5/11/2016 17:16	0.2125 5.5	<100 0.0	0.2125 5.5	0.0100 204.8	0.0100 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160511036.dtb 036	5/11/2016 17:17	0.1175 4.6	110 19.3	0.1175 4.6	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160512037.dtb 037	5/12/2016 07:22	0.1650 6.6	100 0.0	0.1650 6.6	0.0075 256.0	0.0125 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160512038.dtb 038	5/12/2016 14:38	0.1550 9.4	120 5.0	0.1550 9.4	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160512039.dtb 039	5/12/2016 18:44	0.1425 4.7	100 0.0	0.1425 4.7	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513040.dtb 040	5/13/2016 17:13	0.1125 5.8	<100 0.0	0.1125 5.8	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513041.dtb 041	5/13/2016 17:14	0.3600 4.1	100 0.0	0.3600 4.1	0.0075 256.0	0.0075 256.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513042.dtb 042	5/13/2016 17:19	0.1525 4.3	<100 0.0	0.1525 4.3	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513043.dtb 043	5/13/2016 17:48	0.1450 4.1	<100 0.0	0.1450 4.1	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513044.dtb 044	5/13/2016 17:56	0.0950 6.6	<100 0.0	0.0950 6.6	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...421420160513045.dtb 045	5/13/2016 17:59	0.2275 4.1	100 0.0	0.2275 4.1	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.1 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic Radial (dB)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery		
Number	Time	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain	
c:\myron\seismograph...\421420160514046.dtb 046	5/14/2016 08:36	0.1125 21.3	106 0.0	0.1125 21.3	0.0325 170.6	0.0375 204.8	4214	0.0800 132	7.1 x4
c:\myron\seismograph...\421420160514047.dtb 047	5/14/2016 11:21	0.3100 24.3	100 0.0	0.3100 24.3	0.1275 170.6	0.1875 170.6	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515048.dtb 048	5/15/2016 10:11	0.3300 3.9	100 0.0	0.3300 3.9	0.0050 0.0	0.0075 256.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515049.dtb 049	5/15/2016 10:14	0.1400 4.3	<100 0.0	0.1400 4.3	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515050.dtb 050	5/15/2016 10:16	0.0825 6.8	<100 0.0	0.0825 6.8	0.0075 256.0	0.0075 204.8	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515051.dtb 051	5/15/2016 10:17	0.1075 4.5	100 0.0	0.1075 4.5	0.0200 204.8	0.0250 146.2	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515052.dtb 052	5/15/2016 10:22	0.0950 5.7	<100 0.0	0.0950 5.7	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515053.dtb 053	5/15/2016 10:22	0.1350 4.3	<100 0.0	0.1350 4.3	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515054.dtb 054	5/15/2016 10:23	0.1800 6.6	<100 0.0	0.1800 6.6	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515055.dtb 055	5/15/2016 10:26	0.1075 4.2	<100 0.0	0.1075 4.2	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515056.dtb 056	5/15/2016 10:29	0.1925 4.3	100 0.0	0.1925 4.3	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515057.dtb 057	5/15/2016 10:34	0.1750 4.2	<100 0.0	0.1750 4.2	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515058.dtb 058	5/15/2016 10:37	0.0825 4.7	<100 0.0	0.0825 4.7	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515059.dtb 059	5/15/2016 10:44	0.3100 4.9	<100 0.0	0.3100 4.9	0.0050 0.0	0.0075 204.8	4214	0.0800 132	7.2 x4
c:\myron\seismograph...\421420160515060.dtb 060	5/15/2016 10:46	0.1025 4.4	100 0.0	0.1025 4.4	0.0125 204.8	0.0075 204.8	4214	0.0800 132	7.2 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Serial Number	Seismic Trigger (ips)	Battery	Acoustic Trigger dB	Gain
Number	Time	Hz	Hz	Hz	Hz	Hz					
c:\myron\seismograph...421420160515061.dtb 061	5/15/2016 10:58	0.1275 10.5	<100 0.0	0.1275 10.5	0.0050 0.0	0.0075 170.6	4214	0.0800	7.2	132	x4
c:\myron\seismograph...421420160515062.dtb 062	5/15/2016 10:59	0.0850 51.2	100 0.0	0.0850 51.2	0.0275 204.8	0.0400 204.8	4214	0.0800	7.2	132	x4
c:\myron\seismograph...421420160515063.dtb 063	5/15/2016 11:28	0.1450 5.0	100 0.0	0.1450 5.0	0.0200 204.8	0.0250 170.6	4214	0.0800	7.2	132	x4
c:\myron\seismograph...421420160516064.dtb 064	5/16/2016 16:42	0.1975 11.5	100 0.0	0.1975 11.5	0.0100 256.0	0.0100 170.6	4214	0.0800	7.2	132	x4
c:\myron\seismograph...421420160518065.dtb 065	5/18/2016 15:54	0.1275 5.0	<100 0.0	0.1275 5.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518066.dtb 066	5/18/2016 16:00	0.0975 5.4	<100 0.0	0.0975 5.4	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518067.dtb 067	5/18/2016 16:02	0.2175 4.5	100 0.0	0.2175 4.5	0.0125 256.0	0.0175 204.8	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518068.dtb 068	5/18/2016 16:05	0.1350 5.0	<100 0.0	0.1350 5.0	0.0075 341.3	0.0050 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518069.dtb 069	5/18/2016 16:06	0.1025 4.0	<100 0.0	0.1025 4.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518070.dtb 070	5/18/2016 17:06	0.2500 4.1	<100 0.0	0.2500 4.1	0.0025 0.0	0.0050 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160518071.dtb 071	5/18/2016 17:08	0.1150 4.2	<100 0.0	0.1150 4.2	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160519072.dtb 072	5/19/2016 12:36	0.0025 0.0	132 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160519073.dtb 073	5/19/2016 13:58	0.0025 0.0	134 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160519074.dtb 074	5/19/2016 15:08	0.0025 0.0	135 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4
c:\myron\seismograph...421420160519075.dtb 075	5/19/2016 16:18	0.0025 0.0	135 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800	7.1	132	x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
John Robert Property**

Record Name	Date	Peak (ips)	Acoustic Radial (dB)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
c:\myron\seismograph...\421420160519076.dtb 076	5/19/2016 17:20	0.0025 0.0	136 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160519077.dtb 077	5/19/2016 18:20	0.0025 0.0	136 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160519078.dtb 078	5/19/2016 18:48	0.2650 4.9	<100 0.0	0.2650 4.9	0.0075 341.3	0.0050 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160519079.dtb 079	5/19/2016 18:49	0.4800 3.7	100 0.0	0.4800 3.7	0.0200 512.0	0.0300 204.8	4214 132	7.1 x4
c:\myron\seismograph...\421420160519080.dtb 080	5/19/2016 19:32	0.0025 0.0	137 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160519081.dtb 081	5/19/2016 22:39	0.0025 0.0	137 2.8	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520082.dtb 082	5/20/2016 12:50	0.0025 0.0	138 3.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520083.dtb 083	5/20/2016 14:08	0.0025 0.0	138 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520084.dtb 084	5/20/2016 15:41	0.0025 0.0	138 2.9	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520085.dtb 085	5/20/2016 15:46	0.0025 0.0	133 2.6	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520086.dtb 086	5/20/2016 17:50	0.0025 0.0	139 2.8	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160520087.dtb 087	5/20/2016 17:56	0.0025 0.0	133 2.8	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160521088.dtb 088	5/21/2016 15:00	0.3500 4.5	<100 0.0	0.3500 4.5	0.0050 0.0	0.0050 0.0	4214 132	7.1 x4
c:\myron\seismograph...\421420160521089.dtb 089	5/21/2016 16:00	0.2600 5.1	100 0.0	0.2600 5.1	0.0150 204.8	0.0075 256.0	4214 132	7.0 x4
c:\myron\seismograph...\421420160521090.dtb 090	5/21/2016 16:34	0.1050 5.8	<100 0.0	0.1050 5.8	0.0025 0.0	0.0025 0.0	4214 132	7.0 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
~~John Doe~~ Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Serial Number	Seismic Trigger (ips)	Battery
Number	Time	Hz	Hz	Hz	Hz	Hz	dB	Gain	
c:\myron\seismograph...421420160524091.dtb 091	5/24/2016 12:27	1.2800 3.4	<100 0.0	1.2800 3.4	0.1000 204.8	0.1900 146.2	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524092.dtb 092	5/24/2016 12:29	0.0875 5.9	<100 0.0	0.0875 5.9	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524093.dtb 093	5/24/2016 12:29	0.1100 4.4	<100 0.0	0.1100 4.4	0.0075 256.0	0.0075 256.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524094.dtb 094	5/24/2016 12:31	0.3500 8.9	<100 0.0	0.3500 8.9	0.0075 256.0	0.0150 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524095.dtb 095	5/24/2016 12:32	0.0925 5.9	<100 0.0	0.0925 5.9	0.0100 204.8	0.0175 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524096.dtb 096	5/24/2016 12:33	0.0975 4.0	<100 0.0	0.0975 4.0	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524097.dtb 097	5/24/2016 12:34	0.0875 5.0	<100 0.0	0.0875 5.0	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524098.dtb 098	5/24/2016 12:35	0.1675 4.6	100 0.0	0.1675 4.6	0.0050 0.0	0.0075 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524099.dtb 099	5/24/2016 12:37	0.0900 5.0	<100 0.0	0.0900 5.0	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524100.dtb 100	5/24/2016 12:37	0.1425 6.3	100 0.0	0.1425 6.3	0.0150 204.8	0.0225 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524101.dtb 101	5/24/2016 12:38	0.1025 4.6	<100 0.0	0.1025 4.6	0.0250 204.8	0.0325 170.6	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524102.dtb 102	5/24/2016 12:39	0.1125 9.6	100 0.0	0.1125 9.6	0.0500 204.8	0.0475 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524103.dtb 103	5/24/2016 12:40	0.1150 5.2	<100 0.0	0.1150 5.2	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524104.dtb 104	5/24/2016 12:42	0.0925 5.6	<100 0.0	0.0925 5.6	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524105.dtb 105	5/24/2016 12:43	0.0875 4.8	<100 0.0	0.0875 4.8	0.0125 256.0	0.0225 204.8	4214	0.0800 132	7.0 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
c:\myron\seismograph...421420160524106.dtb 106	5/24/2016 12:44	0.0800 4.3	<100 0.0	0.0800 4.3	0.0075 256.0	0.0100 204.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524107.dtb 107	5/24/2016 12:44	0.2050 3.4	<100 0.0	0.2050 3.4	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524108.dtb 108	5/24/2016 12:45	0.1475 3.5	<100 0.0	0.1475 3.5	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524109.dtb 109	5/24/2016 12:46	0.1225 3.1	<100 0.0	0.1225 3.1	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524110.dtb 110	5/24/2016 12:46	0.1375 4.2	<100 0.0	0.1375 4.2	0.0025 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524111.dtb 111	5/24/2016 12:47	0.3900 3.1	<100 0.0	0.3900 3.1	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524112.dtb 112	5/24/2016 12:47	0.6000 3.1	100 0.0	0.6000 3.1	0.0100 204.8	0.0200 341.3	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524113.dtb 113	5/24/2016 12:48	0.1875 4.7	<100 0.0	0.1875 4.7	0.0050 0.0	0.0050 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524114.dtb 114	5/24/2016 12:49	0.5000 4.0	<100 0.0	0.5000 4.0	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524115.dtb 115	5/24/2016 12:49	0.9700 113.7	100 0.0	0.2750 68.2	0.1500 204.8	0.9700 113.7	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524116.dtb 116	5/24/2016 12:50	0.1950 2.7	122 4.8	0.0225 256.0	0.0300 256.0	0.1950 2.7	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524117.dtb 117	5/24/2016 12:51	0.8300 2.3	106 256.0	0.0125 204.8	0.0100 512.0	0.8300 2.3	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524118.dtb 118	5/24/2016 12:52	0.0850 27.6	100 0.0	0.0175 256.0	0.0200 256.0	0.0850 27.6	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524119.dtb 119	5/24/2016 12:52	1.2800 6.6	106 341.3	1.2800 85.3	1.2800 6.6	1.2800 3.9	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524120.dtb 120	5/24/2016 12:53	1.2800 2.0	106 0.0	1.2800 2.0	0.0300 204.8	0.0400 204.8	4214	0.0800 132	7.0 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
c:\myron\seismograph...421420160524121.dtb 121	5/24/2016 12:54	1.2800 2.8	116 7.4	1.2800 2.8	0.5700 102.4	0.5600 113.7	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524122.dtb 122	5/24/2016 12:55	1.2800 2.6	106 512.0	1.2800 2.6	0.3400 128.0	0.5000 170.6	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524123.dtb 123	5/24/2016 12:56	0.1675 25.6	100 0.0	0.0100 113.7	0.0125 256.0	0.1675 25.6	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524124.dtb 124	5/24/2016 12:56	0.0925 3.0	100 0.0	0.0025 0.0	0.0025 0.0	0.0925 3.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524125.dtb 125	5/24/2016 12:57	0.4400 2.0	100 0.0	0.0075 256.0	0.0075 256.0	0.4400 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524126.dtb 126	5/24/2016 12:58	0.4400 2.0	100 0.0	0.0050 0.0	0.0050 0.0	0.4400 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524127.dtb 127	5/24/2016 12:58	0.0800 11.1	110 22.2	0.0025 0.0	0.0025 0.0	0.0800 11.1	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524128.dtb 128	5/24/2016 13:00	0.0925 5.8	100 0.0	0.0025 0.0	0.0025 0.0	0.0925 5.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524129.dtb 129	5/24/2016 13:00	0.0975 10.8	100 0.0	0.0025 0.0	0.0050 0.0	0.0975 10.8	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524130.dtb 130	5/24/2016 13:01	0.1025 2.0	100 0.0	0.0025 0.0	0.0000 0.0	0.1025 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524131.dtb 131	5/24/2016 13:02	0.0875 8.7	100 0.0	0.0025 0.0	0.0025 0.0	0.0875 8.7	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524132.dtb 132	5/24/2016 13:03	0.1150 25.6	100 0.0	0.0075 204.8	0.0100 204.8	0.1150 25.6	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524133.dtb 133	5/24/2016 13:04	0.1475 2.0	106 0.0	0.0025 0.0	0.0025 0.0	0.1475 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524134.dtb 134	5/24/2016 13:04	0.1875 6.9	100 0.0	0.0025 0.0	0.0025 0.0	0.1875 6.9	4214	0.0800 132	7.0 x4
c:\myron\seismograph...421420160524135.dtb 135	5/24/2016 13:05	0.0975 6.0	<100 0.0	0.0025 0.0	0.0025 0.0	0.0975 6.0	4214	0.0800 132	7.0 x4

**Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
John Holman Property**

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
c:\myron\seismograph...\421420160524136.dtb 136	5/24/2016 13:06	0.1025 2.0	<100 0.0	0.0025 0.0	0.0025 0.0	0.1025 2.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160524137.dtb 137	5/24/2016 13:06	0.0850 6.0	<100 0.0	0.0100 204.8	0.0100 256.0	0.0850 6.0	4214	0.0800 132	7.0 x4
*c:\myron\seismograph...\421420160524138.dtb Cal	11/30/1999 00:00	62.9850 0.0	179 0.0	62.9850 0.0	16.6900 0.0	0.0000 0.0	0	0.2350 140	0.0 x2
*c:\myron\seismograph...\421420160524139.dtb 139	5/24/2016 13:13	0.5050 0.0	100 0.0	0.2175 0.0	0.2025 0.0	0.5050 0.0	4214	0.0800 132	6.6 x4
*c:\myron\seismograph...\421420160524140.dtb Cal	11/30/1999 00:00	62.9850 0.0	179 0.0	62.9850 0.0	16.6900 0.0	0.0000 0.0	0	0.2350 140	0.0 x2
*c:\myron\seismograph...\421420160524141.dtb 141	5/24/2016 14:09	0.5225 0.0	134 0.0	0.5200 0.0	0.5225 0.0	0.5125 0.0	4214	0.0800 132	6.9 x4
*c:\myron\seismograph...\421420160524142.dtb 142	5/24/2016 14:19	0.5225 0.0	134 0.0	0.5200 0.0	0.5225 0.0	0.5125 0.0	4214	0.0800 132	6.9 x4
c:\myron\seismograph...\421420160527143.dtb 143	5/27/2016 16:37	0.0025 0.0	133 204.8	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800 132	6.9 x4
*c:\myron\seismograph...\421420160531144.dtb 144	5/31/2016 04:38	0.5200 0.0	134 0.0	0.5175 0.0	0.5200 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160601145.dtb 145	6/1/2016 05:54	0.0025 0.0	136 512.0	0.0025 0.0	0.0025 0.0	0.0025 0.0	4214	0.0800 132	7.1 x4
c:\myron\seismograph...\421420160601146.dtb 146	6/1/2016 13:16	0.1100 15.2	114 20.8	0.1100 15.2	0.0700 21.7	0.0725 20.8	4214	0.0800 132	7.1 x4
*c:\myron\seismograph...\421420160605147.dtb 147	6/5/2016 01:18	0.5225 0.0	134 0.0	0.5200 0.0	0.5225 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
*c:\myron\seismograph...\421420160608148.dtb 148	6/8/2016 13:19	0.5225 0.0	134 0.0	0.5175 0.0	0.5225 0.0	0.5125 0.0	4214	0.0800 132	7.1 x4
*c:\myron\seismograph...\421420160612149.dtb 149	6/12/2016 01:20	0.5225 0.0	134 0.0	0.5200 0.0	0.5225 0.0	0.5100 0.0	4214	0.0800 132	7.0 x4
c:\myron\seismograph...\421420160614150.dtb 150	6/14/2016 13:51	0.2650 11.7	117 8.6	0.2650 11.7	0.1175 35.3	0.1700 10.0	4214	0.0800 132	7.0 x4

* Denotes a calibration event.

Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
John Robert Property

Record Name	Date	Peak (ips)	Acoustic (dB)	Radial (ips)	Vertical (ips)	Transverse (ips)	Seismic Trigger (ips)	Battery	
Number	Time	Hz	Hz	Hz	Hz	Hz	Serial Number	Acoustic Trigger dB	Gain
*c:\myron\seismograph...421420160616151.dtb 151	6/16/2016 13:17	0.5250 0.0	134 0.0	0.5200 0.0	0.5250 0.0	0.5125 0.0	4214	0.0800 132	6.9 x4

* Denotes a calibration event.

Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
██████████ Property

File Name: c:\myron\seismograph analysis\manteno\man73\421420160418004.dtb
 Number: 004
 Date: 4/18/2016
 Time: 15:26
 Serial Number: 4214
 Seismic Trigger: 0.0800 in/sec
 Acoustic Trigger: 132 dB
 Sample Rate: 2048
 Duration: 6.0 Seconds
 Pre-Trigger: 0.25 Seconds
 Gain: 4x
 Voltage: 7.2

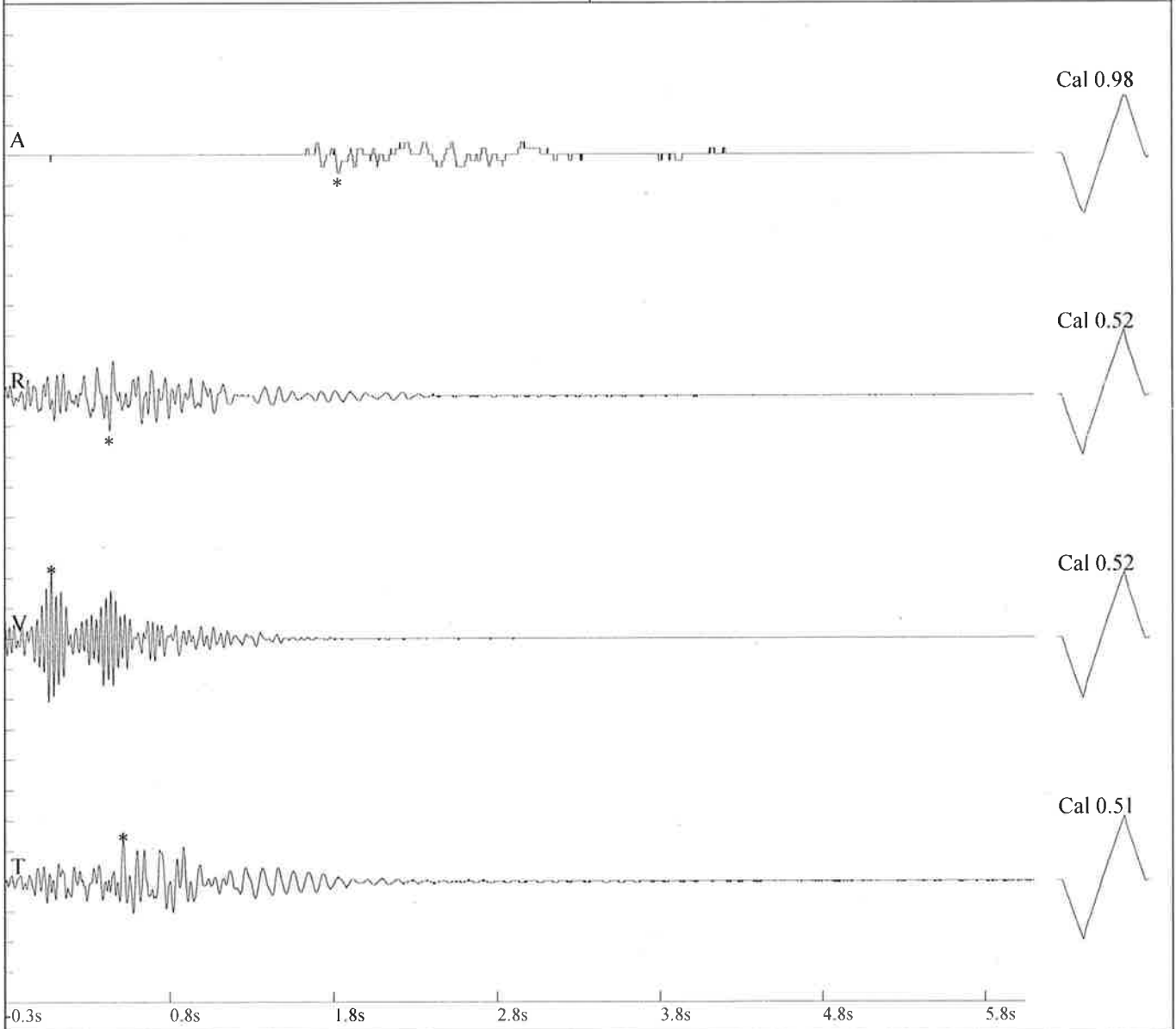
M/LM

Amplitudes and Frequencies

Acoustic: 110 dB @ 7.0 Hz
Radial: 0.0575 in/sec @ 14.4Hz
Vertical: **0.1075 in/sec @ 33.0Hz**
Transverse: 0.0675 in/sec @ 19.3Hz

Graph Information

Duration: -0.250 s To: 6.000 s
Acoustic Scale: 126 dB
Seismic Scale: 0.20 in/sec (0.050 in/sec/div)
Time Intervals at: 1.00 s

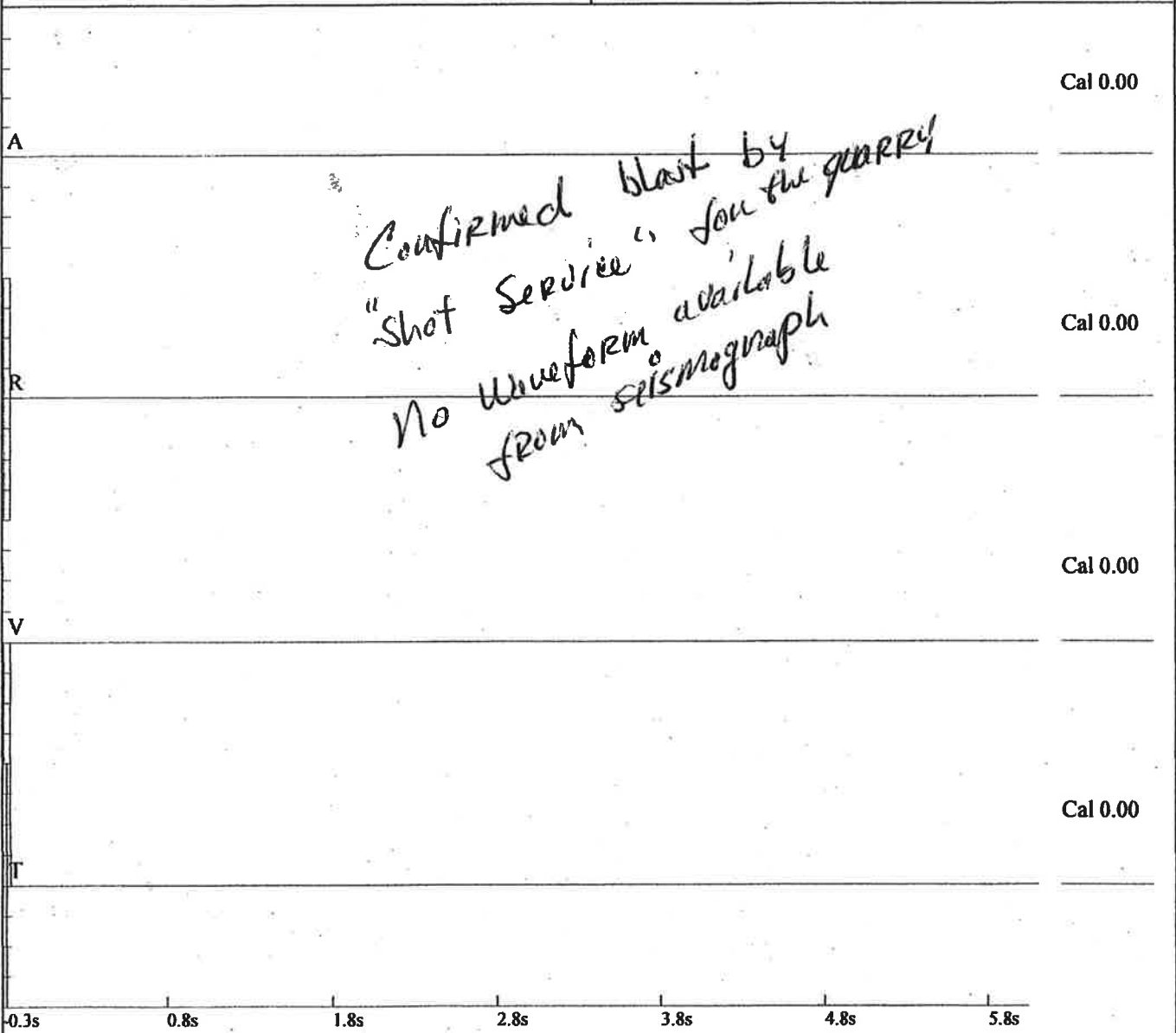


Illinois Department of Natural Resources
Office of Mines and Minerals
Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
Property

File Name: c:\myron\seismograph analysis\manteno\man73\421420160429008.db
 Number: 008
 Date: 4/29/2016
 Time: 13:33
 Serial Number: 4214
 Seismic Trigger: 0.0800 in/sec
 Acoustic Trigger: 132 dB
 Sample Rate: 2048
 Duration: 6.0 Seconds
 Pre-Trigger: 0.25 Seconds
 Gain: 4x
 Voltage: 7.2

MEM

Amplitudes and Frequencies	Graph Information
Acoustic: 114 dB @ 5.1 Hz	Duration: -0.250 s To: 6.000 s
Radial: 0.0950 in/sec @ 10.6Hz	Acoustic Scale: 126 dB
Vertical: 0.0900 in/sec @ 32.0Hz	Seismic Scale: 0.10 in/sec (0.025 in/sec/div)
Transverse: 0.0775 in/sec @ 11.0Hz	Time Intervals at: 1.00 s



**Illinois Department of Natural Resources
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Explosives and Aggregate Division
VCNA Prairie Inc. - North Central Quarry
[REDACTED] Property**

File Name: c:\myron\seismograph analysis\manteno\man73\421420160601146.dtb
 Number: 146
 Date: 6/1/2016
 Time: 13:16
 Serial Number: 4214
 Seismic Trigger: 0.0800 in/sec
 Acoustic Trigger: 132 dB
 Sample Rate: 2048
 Duration: 6.0 Seconds
 Pre-Trigger: 0.25 Seconds
 Gain: 4x
 Voltage: 7.1

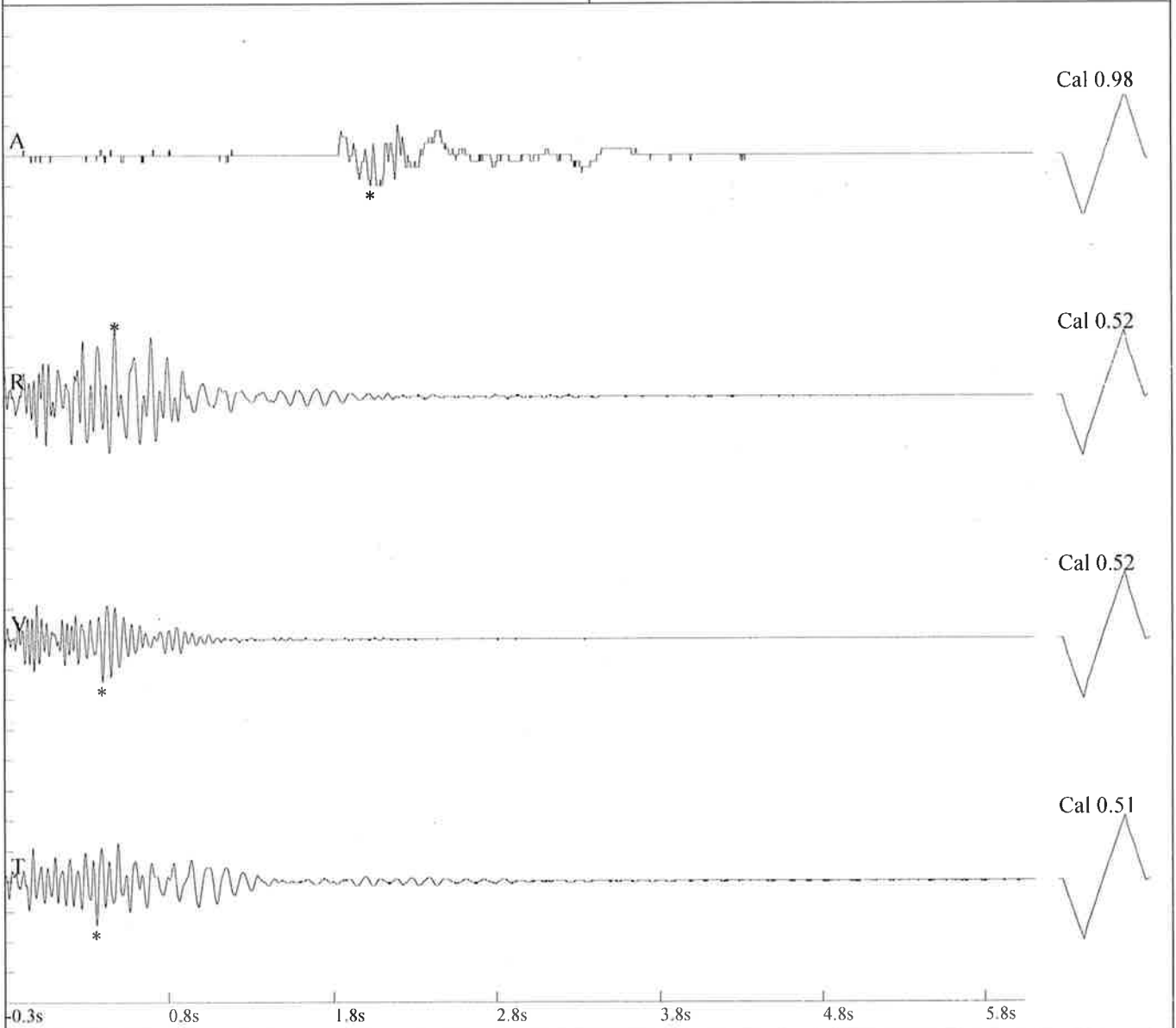
MAM

Amplitudes and Frequencies

Acoustic: 114 dB @ 20.8 Hz
 Radial: 0.1100 in/sec @ 15.2Hz
 Vertical: 0.0700 in/sec @ 21.7Hz
 Transverse: 0.0725 in/sec @ 20.8Hz

Graph Information

Duration: -0.250 s To: 6.000 s
 Acoustic Scale: 126 dB
 Seismic Scale: 0.20 in/sec (0.050 in/sec/div)
 Time Intervals at: 1.00 s



**Illinois Department of Natural Resources
 Office of Mines and Minerals
 Explosives and Aggregate Division
 VCNA Prairie Inc. - North Central Quarry
 [REDACTED] Property**

File Name: c:\myron\seismograph analysis\manteno\man73\421420160614150.dtb
 Number: 150
 Date: 6/14/2016
 Time: 13:51
 Serial Number: 4214
 Seismic Trigger: 0.0800 in/sec
 Acoustic Trigger: 132 dB
 Sample Rate: 2048
 Duration: 6.0 Seconds
 Pre-Trigger: 0.25 Seconds
 Gain: 4x
 Voltage: 7.0

M/M

Amplitudes and Frequencies

Acoustic: 117 dB @ 8.6 Hz
 Radial: 0.2650 in/sec @ 11.7Hz
 Vertical: 0.1175 in/sec @ 35.3Hz
 Transverse: 0.1700 in/sec @ 10.0Hz

Graph Information

Duration: -0.250 s To: 6.000 s
 Acoustic Scale: 126 dB
 Seismic Scale: 0.30 in/sec (0.075 in/sec/div)
 Time Intervals at: 1.00 s

