Werner, Elizabeth

From: David Garrett [david@davidgarrettpe.com]
Sent: Friday, May 27, 2011 3:37 PM
To: Werner, Elizabeth
Subject: FW: Garner Landfill Project 5/20/11 shot files
Attachments: 052011 Landfill Perimeter.pdf; 052011 Proposed Well.pdf

Seismic records for 5-20-2011 shot. This is the one you attended. DG

From: Dennis Gehle [mailto:dgehle@wcamerica.com]
Sent: Monday, May 23, 2011 12:31 PM
To: Nick Marotta; David Garrett
Subject: FW: Garner Landfill Project 5/20/11 shot files

From: Rob Nicks [mailto:robsauls@gmail.com]
Sent: Monday, May 23, 2011 11:42 AM
To: Dennis Gehle
Subject: Garner Landfill Project 5/20/11 shot files

Here are the shot PDF's from Friday's event. Sorry for the delay... I changed out the modem this morning.

I have shared this data with Joe Wilhelm.

Thanks, Rob

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Sauls Seismic, Inc.
Rob Nicks
(336) 263-4291

Wampum Hardware: Garner Landfill Project
Seismograph Loc: Landfill Perimeter
Shot Loc: N3542530 W-7830221
Distance: 495 feet
Maximum lbs per delay: 55
Shot # 1 Operator: Rob Nicks

File Name: LDFILLPERIMETER052011154.DTA
Number: 154
Date: 5/20/2011
Time: 14:29
Serial Number: 1891
Seismic Trigger: 0.0500 in/s 1.2700 mm/s
Acoustic Trigger: 142 dB
Sample Rate: 1024
Record Duration: 5.0 Seconds
Pre-Trigger: 0.50 Seconds
Sensor Gain: 2x
Battery: 7.0

Amplitudes and Frequencies

Acoustic: 124 dB @ 42.6 Hz
(0.32Mb 0.0046psi 0.0320kPa)

Radial: 0.08in/s 2.032mm/s @ 28.4Hz

***Vertical:* 0.085in/s 2.159mm/s @ 34.1Hz**

Transverse: 0.065in/s 1.651mm/s @ 20.4Hz

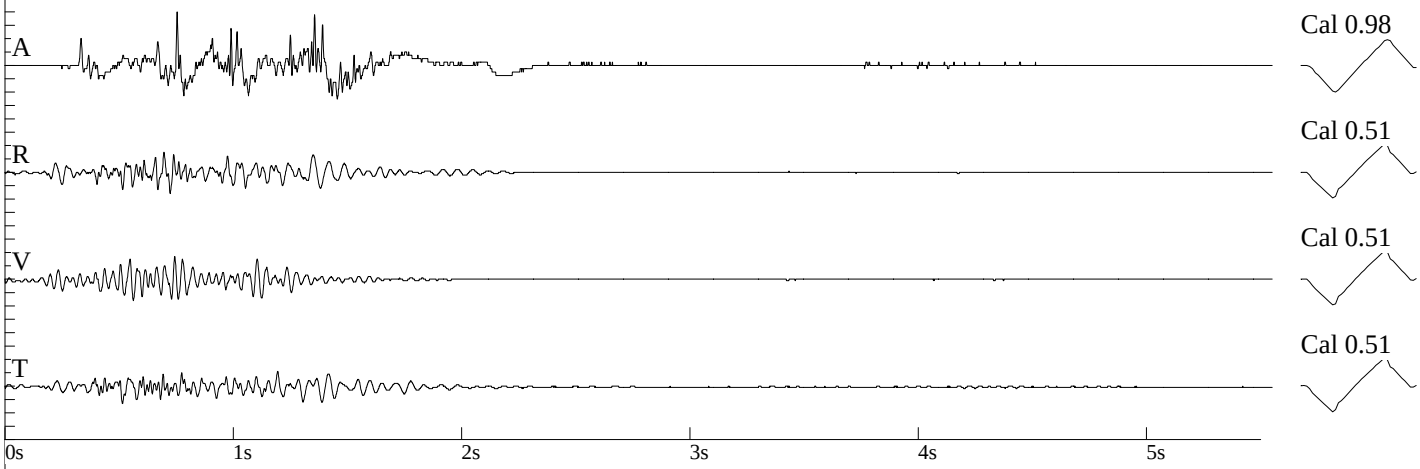
Graph Information

*Duration:*0.000s To: 5.500s

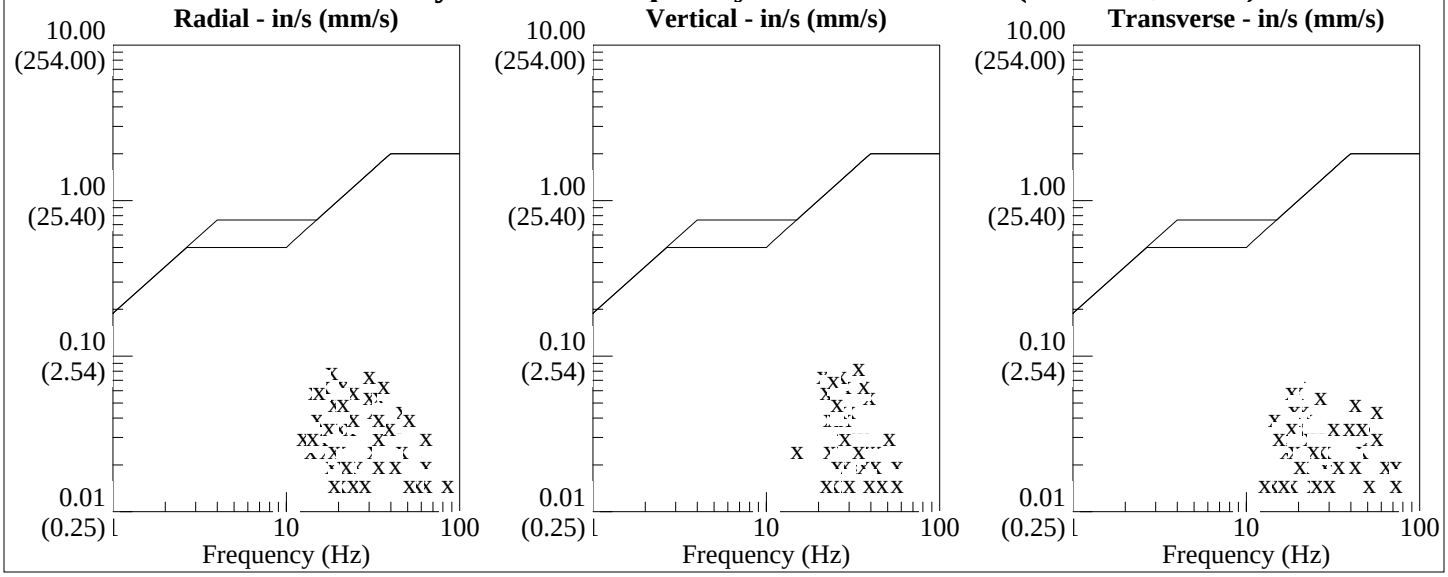
Acoustic Scale:
124dB 0.32Mb (0.079Mb/div)

Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)

*Time Line Intervals at:*1.00 s



Particle Velocity Versus Frequency - USBM Limits (RI 8507, 1980)



Wampum Hardware: Garner Landfill Project
Seismograph Loc: Proposed Well
Shot Loc: N3542530 W-7830211
Distance: 686 feet
Maximum lbs per delay: 55
Shot # 1 Operator: Rob Nicks

File Name: PROPOSEDWELL052011182.DTA
Number: 182
Date: 5/20/2011
Time: 14:29
Serial Number: 2512
Seismic Trigger: 0.0200 in/s 0.5080 mm/s
Acoustic Trigger: 142 dB
Sample Rate: 1024
Record Duration: 5.0 Seconds
Pre-Trigger: 0.50 Seconds
Sensor Gain: 2x
Battery: 7.0

Amplitudes and Frequencies

Acoustic: 118 dB @ 26.9 Hz
(0.16Mb 0.0023psi 0.0160kPa)

***Radial:* 0.09in/s 2.286mm/s @ 56.8Hz**

Vertical: 0.08in/s 2.032mm/s @ 21.3Hz

Transverse: 0.085in/s 2.159mm/s @ 16.0Hz

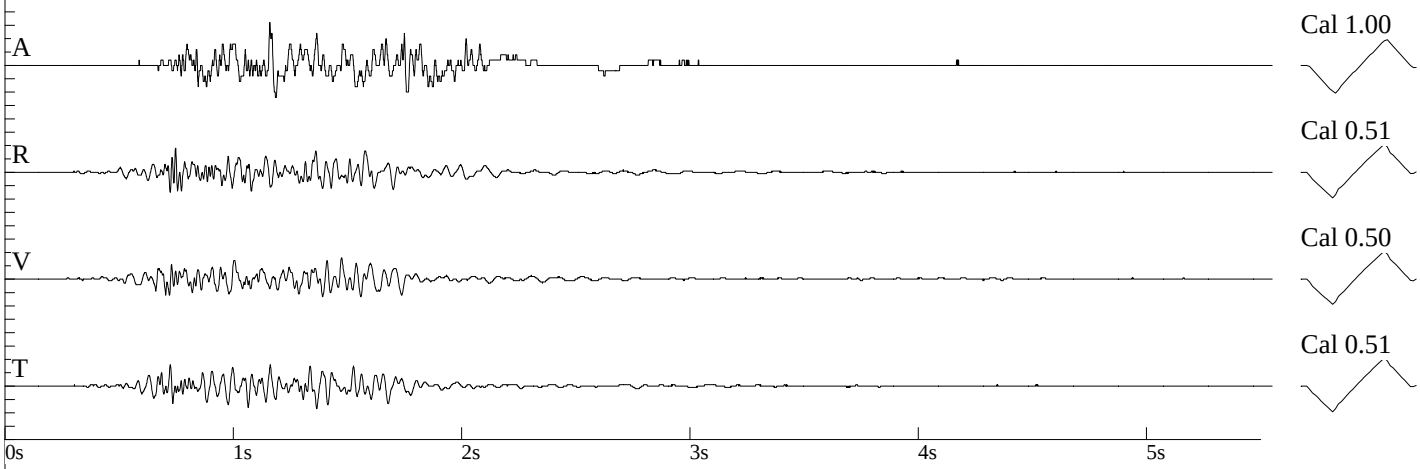
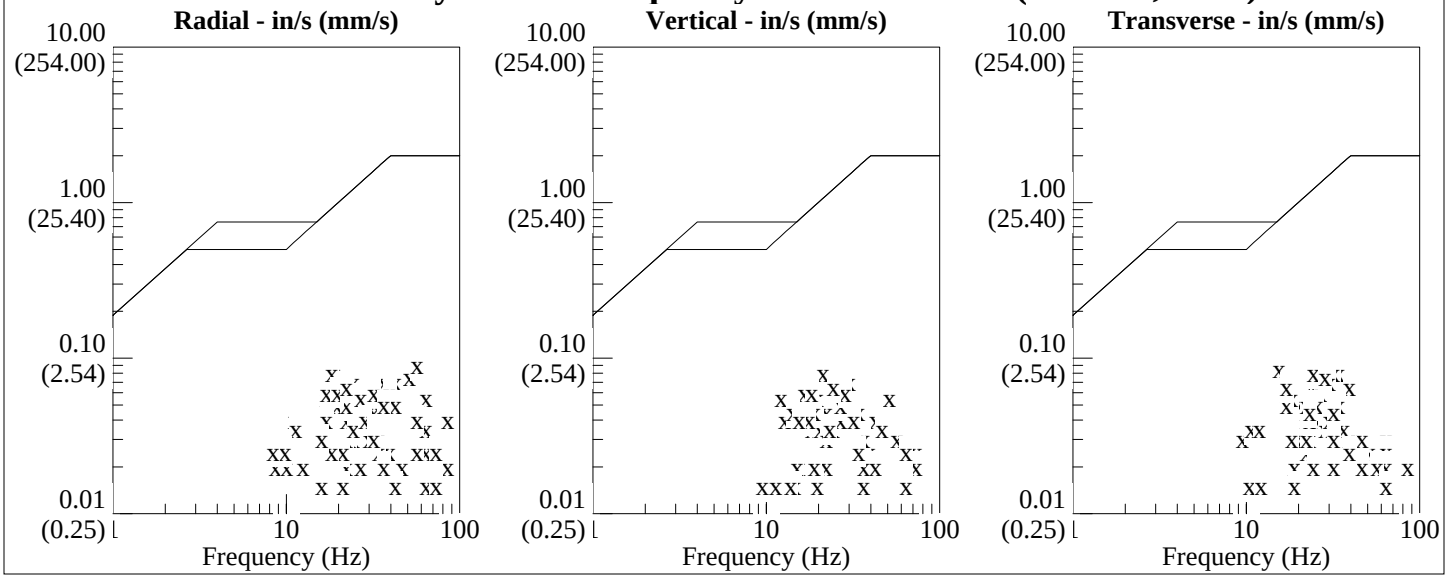
Graph Information

*Duration:*0.000s To: 5.500s

Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)

Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)

*Time Line Intervals at:*1.00 s



Particle Velocity Versus Frequency - USBM Limits (RI 8507, 1980)