Werner, Elizabeth

From: David Garrett [david@davidgarrettpe.com]
Sent: Wednesday, May 25, 2011 9:23 PM
To: Werner, Elizabeth
Cc: Nick Marotta; Dennis Gehle
Subject: FW: Garner Landfill Project 5/24/11 shot
Attachments: 052411 Landfill Perimeter.pdf; 052411 Proposed Well.pdf; P5240091.JPG

Elizabeth, the crew will be blasting again on Thursday March 26 at 2:30 pm. I notified you by phone earlier today (Wednesday). I might recommend being out there by 2 pm if you want to come watch the shot. Attached are seismic records from Tuesday March 24 (all velocities within spec) and a neat photo of the shot. Please call if you have any questions. Thanks for your interest and cooperation. David

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From: Dennis Gehle [mailto:dgehle@wcamerica.com]
Sent: Wednesday, May 25, 2011 11:19 AM
To: David Garrett; Nick Marotta
Subject: FW: Garner Landfill Project 5/24/11 shot

From: Rob Nicks [mailto:robsauls@gmail.com]
Sent: Wednesday, May 25, 2011 10:20 AM
To: Dennis Gehle
Subject: Garner Landfill Project 5/24/11 shot

Here's Tuesday's shot PDF's.

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

Wampum Hardware: Garner Landfill Project
Seismograph Loc: Landfill Perimeter
Shot Loc: N E
Distance: feet
Maximum lbs per delay:
Shot # Operator: Rob Nicks

File Name: LDFILLPERIMETER052411155.DTA
Number: 155
Date: 5/24/2011
Time: 14:48
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: 121 dB @ 8.3 Hz
(0.22Mb 0.0032psi 0.0220kPa)

Radial: 0.13in/s 3.302mm/s @ 25.6Hz

***Vertical:* 0.23in/s 5.842mm/s @ 25.6Hz**

Transverse: 0.18in/s 4.572mm/s @ 23.2Hz

*Calibration Date:*4/22/2010

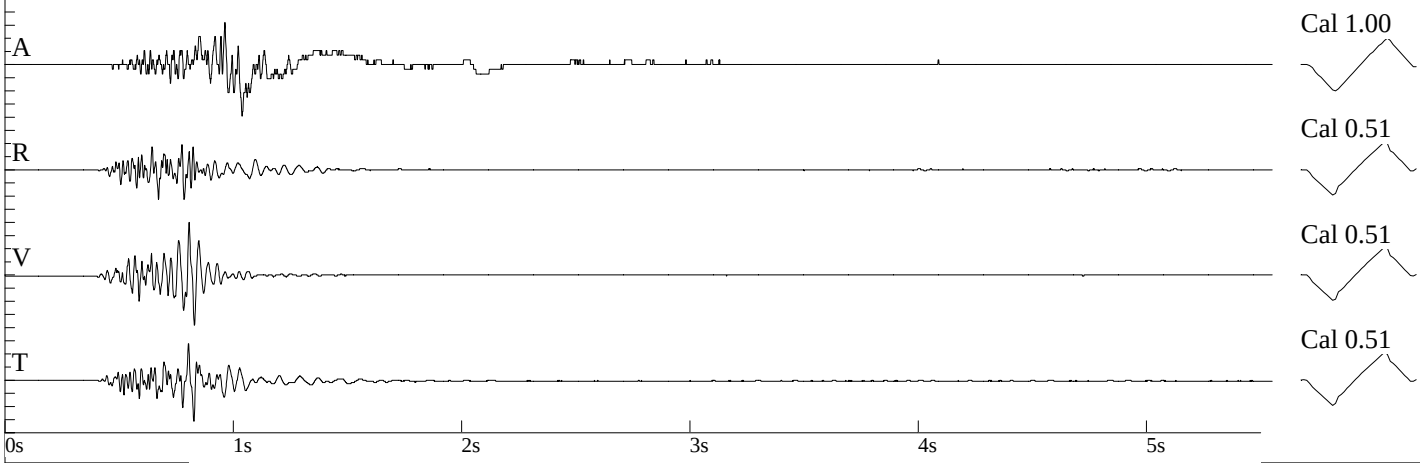
Graph Information

*Duration:*0.000s To: 5.500s

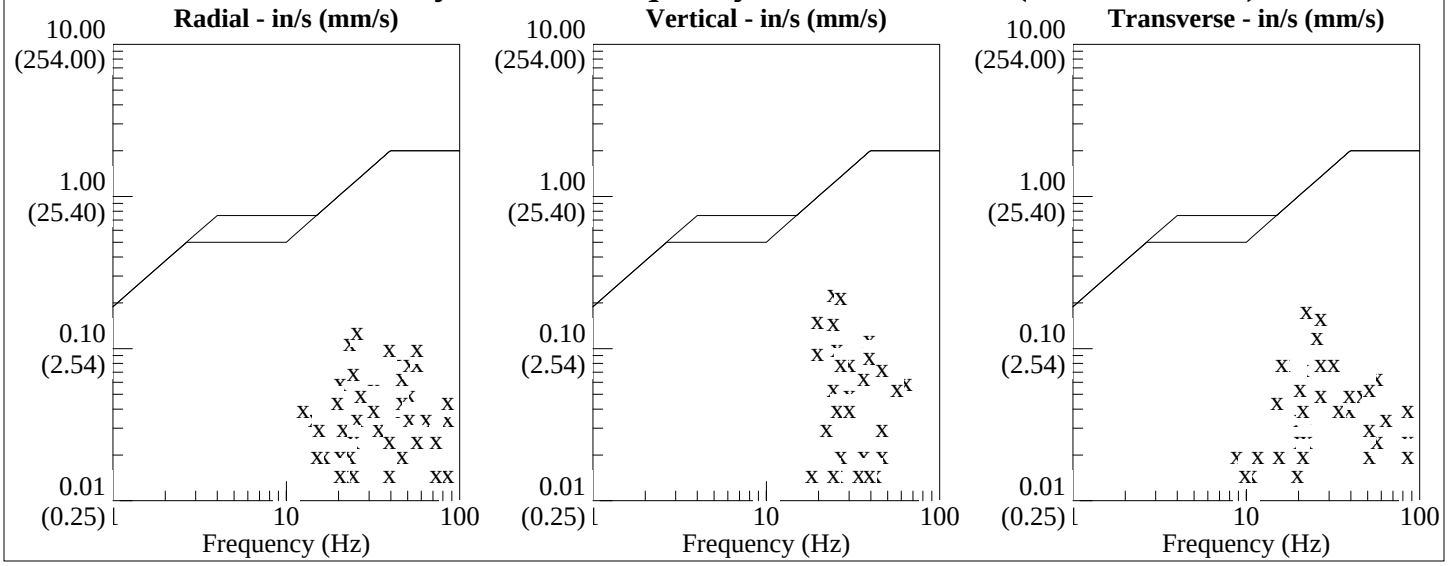
Acoustic Scale:
121dB 0.22Mb (0.056Mb/div)

Seismic Scale:
0.23in/s (0.058in/s/div) 5.84mm/s (1.461mm/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: N E
Distance: feet
Maximum lbs per delay:
Shot # Operator: Rob Nicks

File Name: PROPOSEDWELL052411191.DTA
Number: 191
Date: 5/24/2011
Time: 14:48
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: 120 dB @ 39.3 Hz
(0.20Mb 0.0029psi 0.0200kPa)

Radial: 0.125in/s 3.175mm/s @ 56.8Hz

Vertical: 0.125in/s 3.175mm/s @ 18.2Hz

***Transverse:* 0.14in/s 3.556mm/s @ 30.1Hz**

*Calibration Date:*4/22/2010

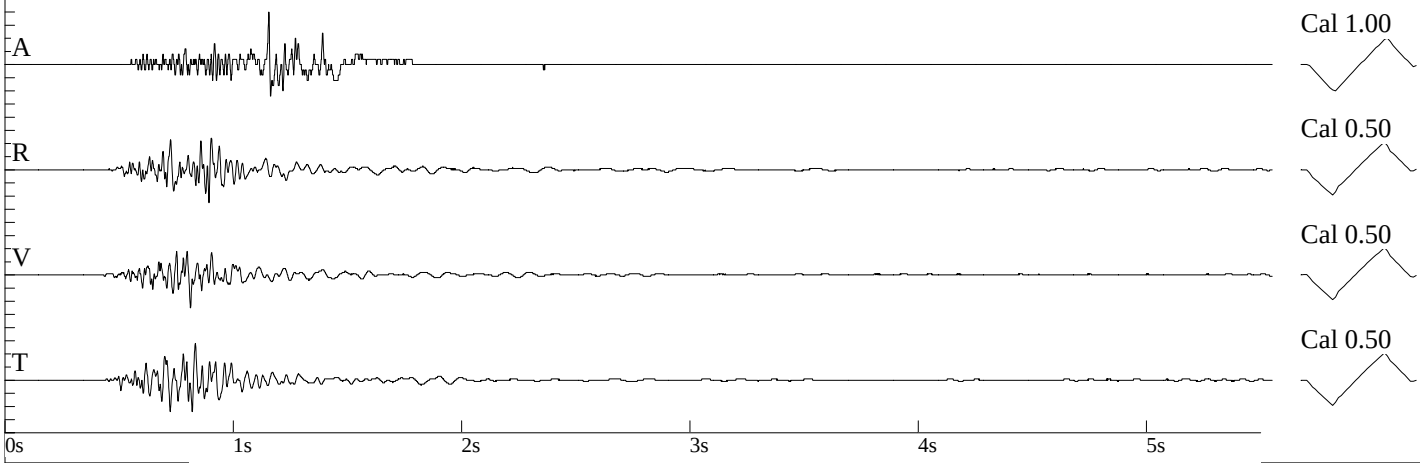
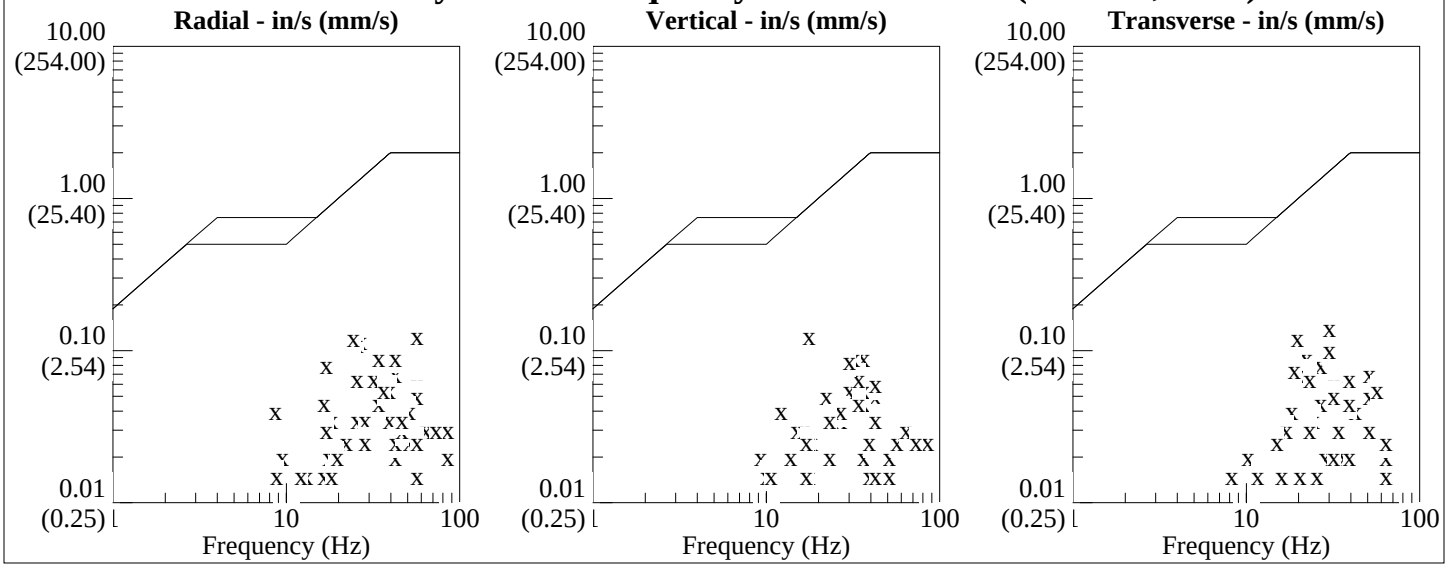
Graph Information

*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)