

City of Colleyville Oil and Gas Well Drilling and Production – Inspection Report

Well/Pipeline Identification: Trinity
7504 Pleasant Run
Colleyville, Texas 76034

Date(s): June 29 – July 5, 2011

Inspector: Christopher Polidore, P.E.
Belcheff & Associates, Inc.

General Comments:

The current schedule has installation and cementing of the production casing on the “J” well complete July 7th. The next well is the “E” well and it is estimated that completion will be in 16 days.

Noise

Crickets and birds are the predominant cause of noise levels exceeding allowable levels this past week. Contributions from air traffic, lawn maintenance, and road traffic were much fewer than previous weeks.

Environmental

A leaking junction on a drain pipe on the side of the rig was reported. The pipe is used to direct water from the rig floor to the cellars. The leak was most likely caused by a broken seal on the junction due to pressure washing that same day.

Compliance/Documentation/Reporting

There is nothing out of the ordinary or required at this point in time.

Site Conditions

The pad site is very dry and temperatures on the pad and near structures continue to be well above air temperature. The following pages contain an informal report showing site IR images and associated temperatures within the well site.

Driveway is clean, the landscaping status remains stable, and general conditions on the site are good.



Inspection Report

Report Date 7/6/2011

Company Belcheff and Associates, Inc.
Address Trophy Club
Thermographer C. Polidore

Customer Trinity Gas Well Site
Site Address Colleyville
Contact Person C. Polidore

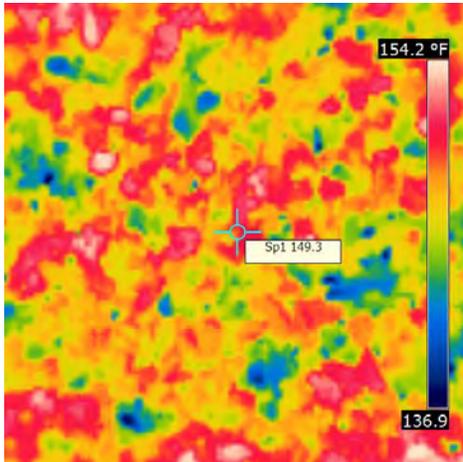


Image and Object Parameters

Text Comments

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Image Date	7/6/2011 2:17:21 PM
Image Name	IR_0007.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity Pad Surface - Crushed Stone



Inspection Report

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Company Belcheff and Associates, Inc.
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Thermographer C. Polidore

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Site Address Colleyville
Contact Person C. Polidore

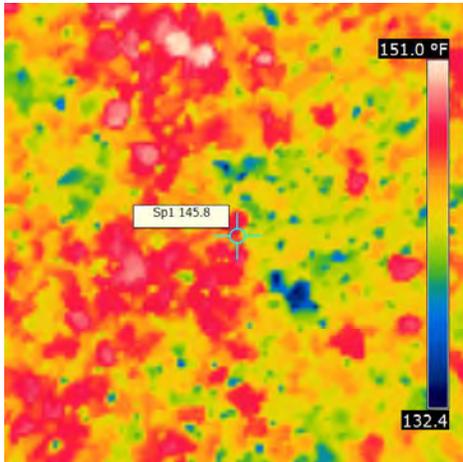


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Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity Pad Surface - crushed stone



Inspection Report

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Thermographer C. Polidore

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Site Address Colleyville
Contact Person C. Polidore

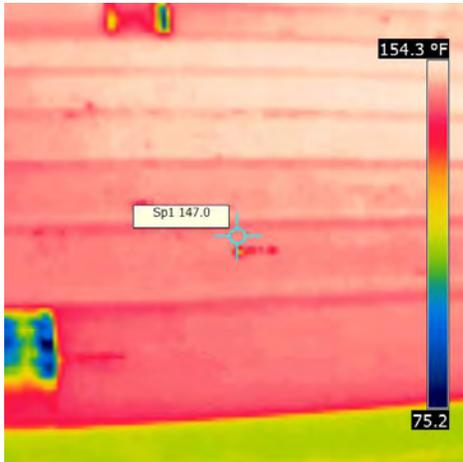


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Image Name IR_0009.jpg
Emissivity 0.95
Reflected apparent temperature 68.0 °F
Object Distance 3.3 ft

Description

Trinity Production Casing - staged on rack



Inspection Report

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Site Address Colleyville
Contact Person C. Polidore

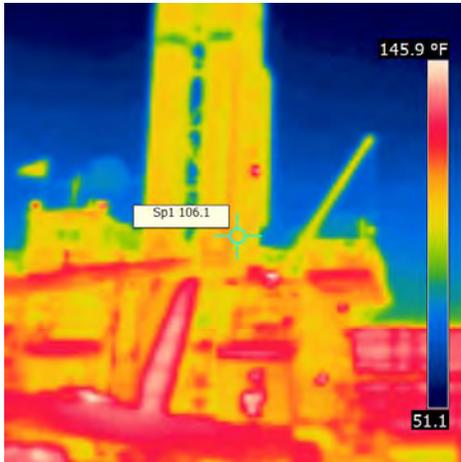


Image and Object Parameters

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Image Name	IR_0010.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity Rog - looking east



Inspection Report

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Thermographer C. Polidore

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Site Address Colleyville
Contact Person C. Polidore

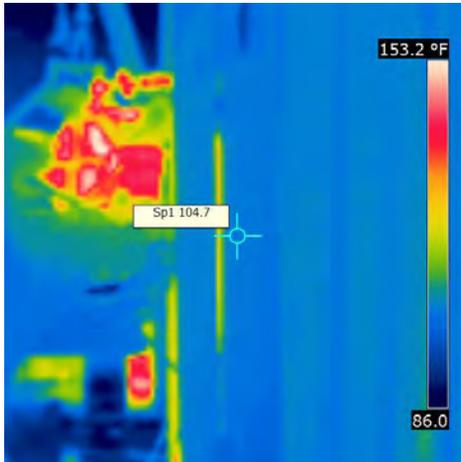


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Image Name	IR_0013.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity - rig floor from corner of dog house



Inspection Report

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Site Address Colleyville
Contact Person C. Polidore

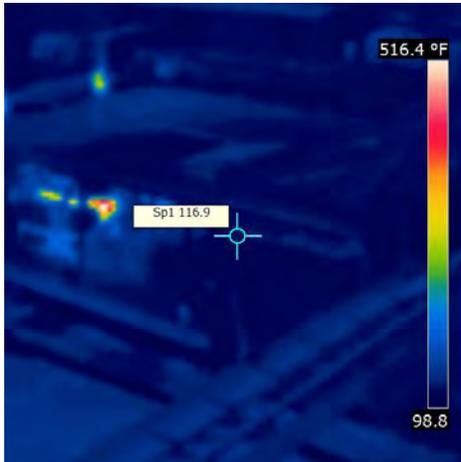


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Image Date	7/6/2011 3:12:29 PM
Image Name	IR_0014.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity Diesel Generators from rig floor level



Inspection Report

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Contact Person C. Polidore

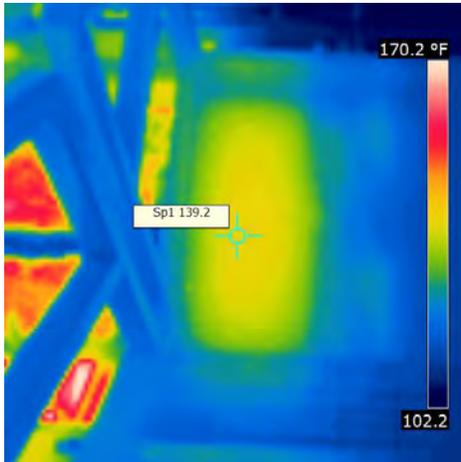


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Image Date 7/6/2011 3:12:49 PM
Image Name IR_0015.jpg
Emissivity 0.95
Reflected apparent temperature 68.0 °F
Object Distance 3.3 ft

Description

Trinity walkway floor grate in front of dog house



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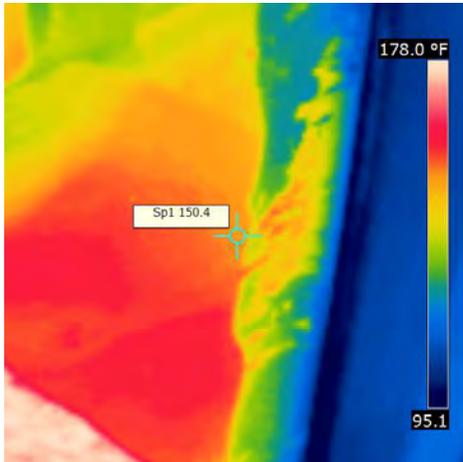


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Image Name	IR_0016.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity portion of dog house door



Inspection Report

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Site Address Colleyville
Contact Person C. Polidore

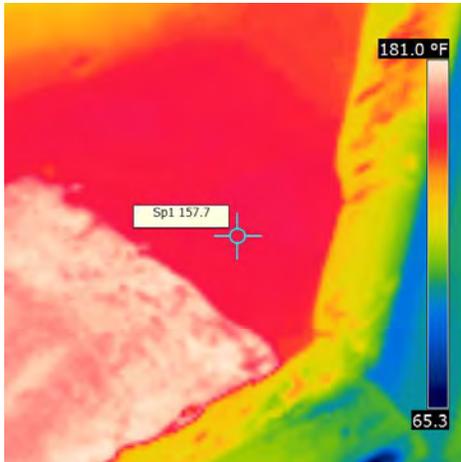


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Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity portion of dog house door



Inspection Report

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Thermographer C. Polidore

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Site Address Colleyville
Contact Person C. Polidore

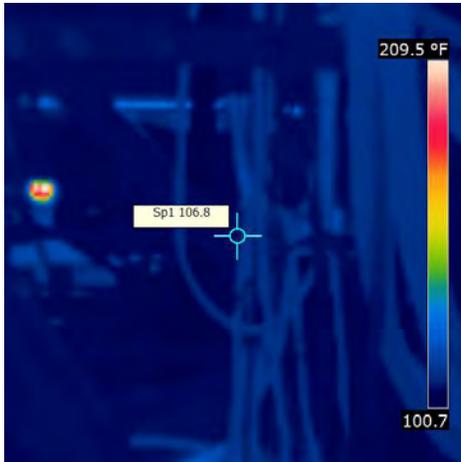


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Image Name	IR_0018.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity rig second level



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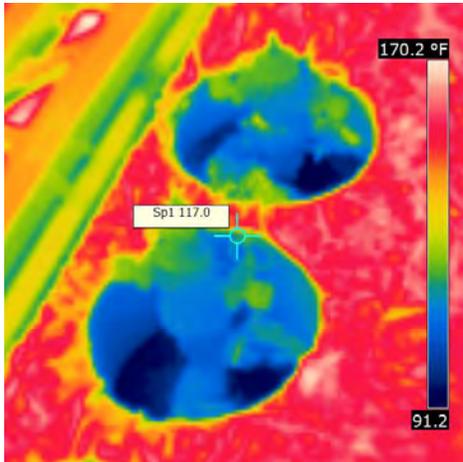


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Image Date	7/6/2011 3:14:36 PM
Image Name	IR_0019.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity wells



Inspection Report

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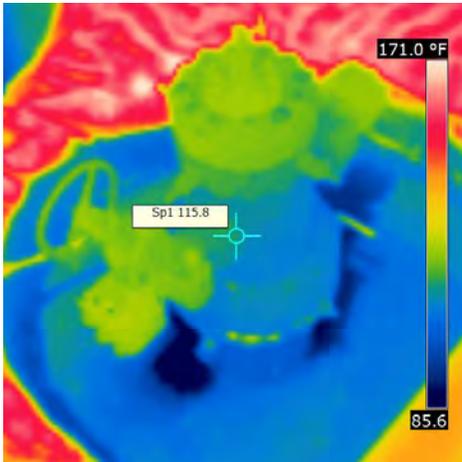


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Image Name	IR_0020.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity well close-up



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Site Address Colleyville
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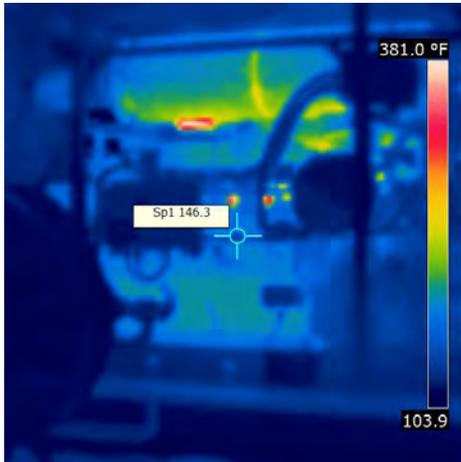


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Image Date	7/6/2011 3:15:37 PM
Image Name	IR_0021.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity - ground level view of Diesel generators



Inspection Report

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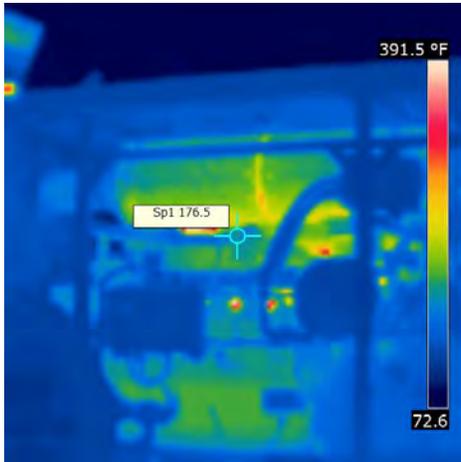


Image and Object Parameters

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Image Name	IR_0022.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity - close ground level view of diesel generators



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Site Address Colleyville
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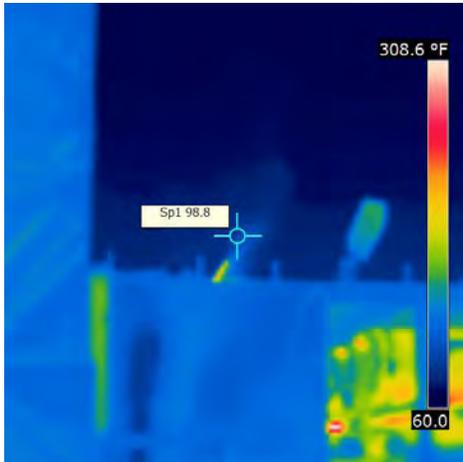


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Image Name	IR_0023.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity ground level view of diesel generator exhaust



Inspection Report

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Company Belcheff and Associates, Inc.
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Site Address Colleyville
Contact Person C. Polidore

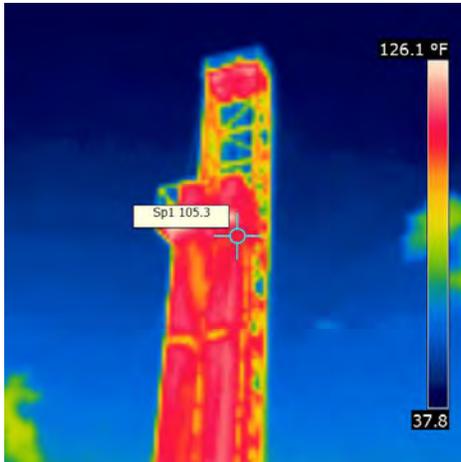


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Image Name	IR_0024.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity - rig view from southwest



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Thermographer C. Polidore

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Site Address Colleyville
Contact Person C. Polidore

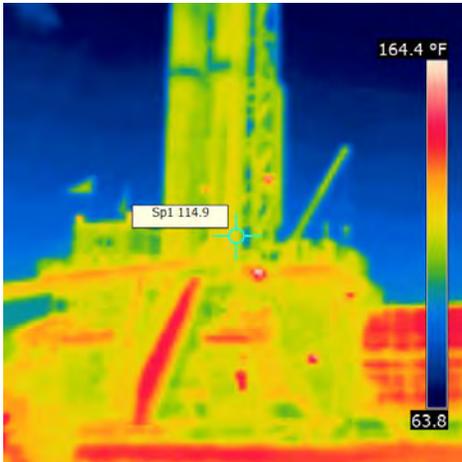


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Image Name	IR_0025.jpg
Emissivity	0.95
Reflected apparent temperature	68.0 °F
Object Distance	3.3 ft

Description

Trinity - close-up rig view from southwest

Behrens and Associates, Inc.

Environmental Noise Control



July 1, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Thursday, June 30, to Friday, July 1, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from air traffic and crickets at Monitoring Location #1 and from air lawn maintenance, birds, and crickets at Monitoring Location #2 as the cause of the elevated sound levels. The second and fourth attached charts display the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

Very truly yours,

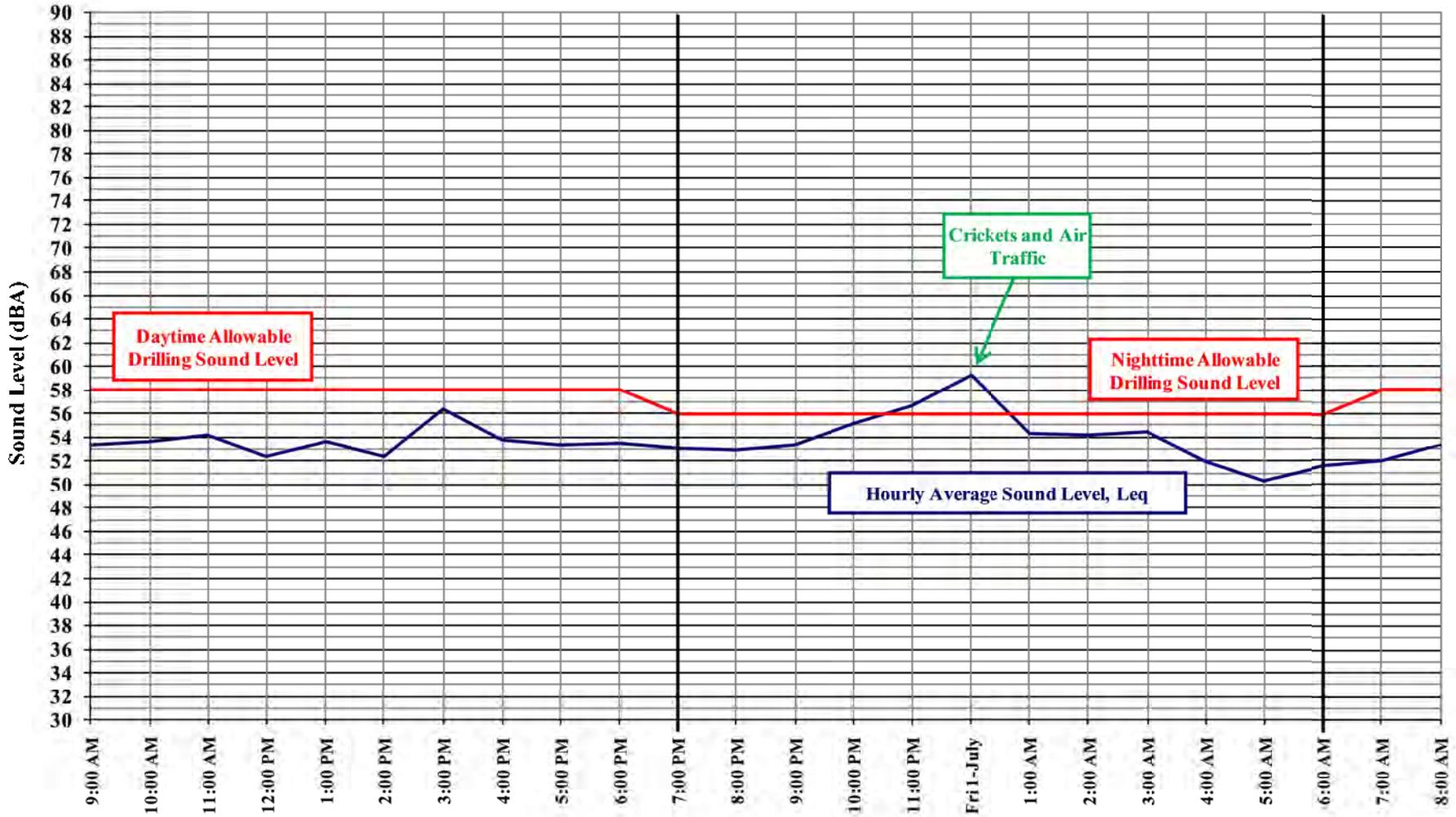
Don Behrens
President
95-4460624

Attachments

13806 Inglewood Avenue, Hawthorne, California 90250 ~ Telephone: 310-679-8633 ~ Facsimile: 310-331-1538
6003 Financial Plaza, Suite 202 A, Shreveport, LA 71129 ~ Telephone: 318-272-2040 ~ Facsimile: 318-686-5099
10111 E Bankhead Hwy, Aledo, Texas 76008 ~ Telephone: 817-441-5556 ~ Facsimile: 817-441-5561
3328 David Drive, Napa, California 94558 ~ Telephone: 707-252-9019 ~ Facsimile: 707-252-8333
1400 16th Street, Suite 400, Denver, Colorado 80202 ~ Telephone: 303-618-5322
www.environmental-noise-control.com



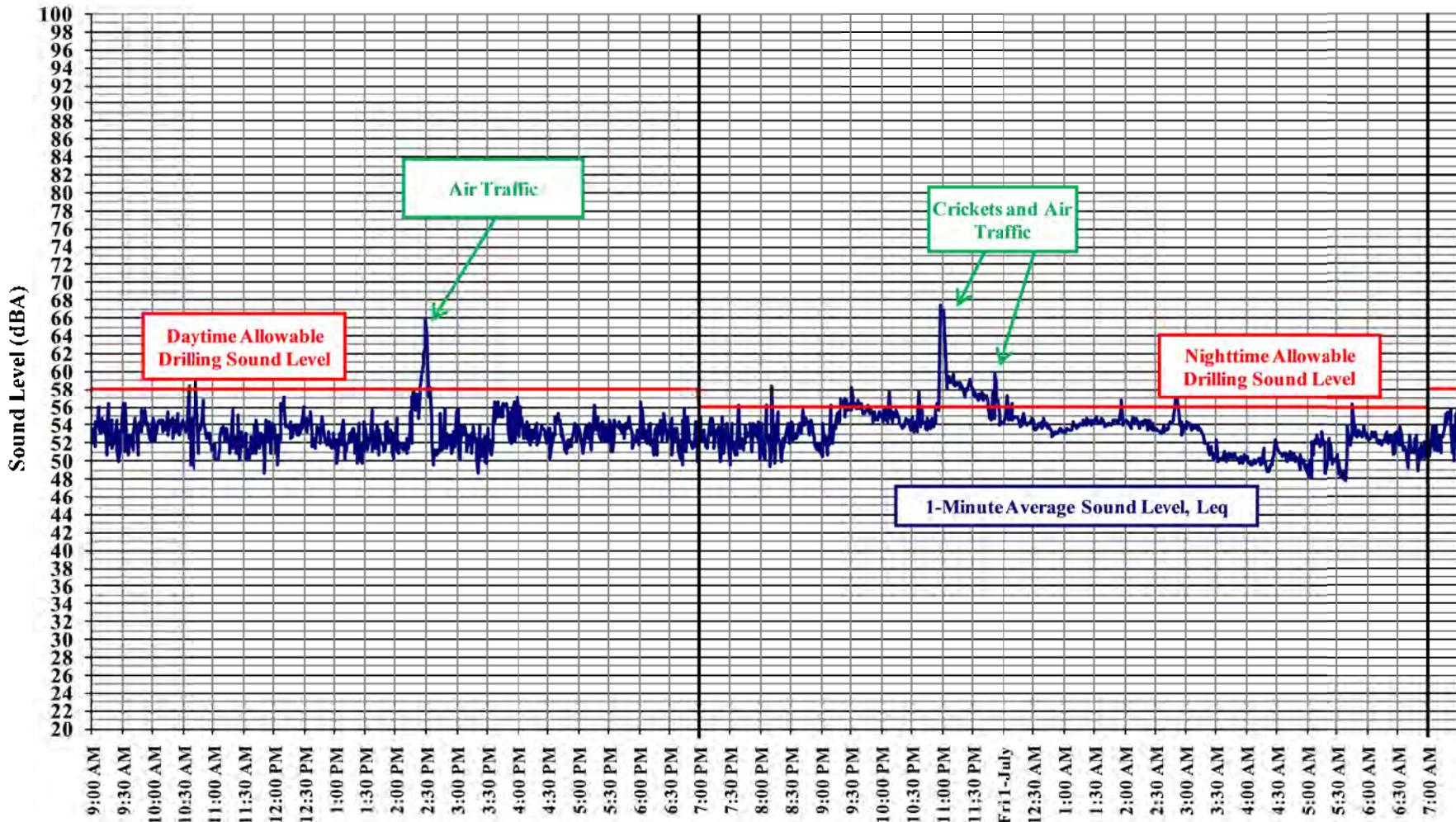
**Titan Operating
TCC 1H Drill Site - Monitoring Location #1
Continuous Sound Level Monitoring**



June 30 - July 1, 2011



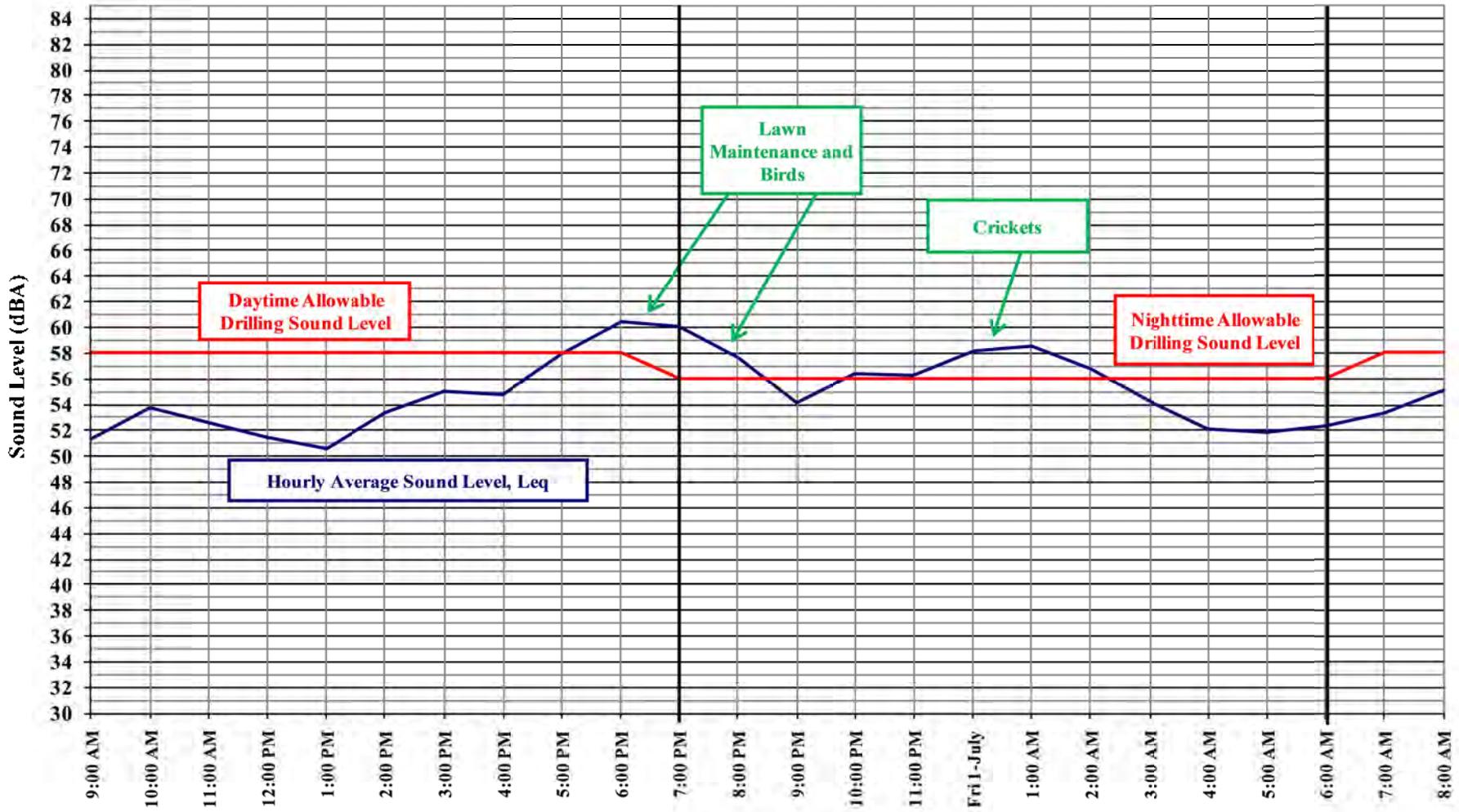
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 30 - July 1, 2011



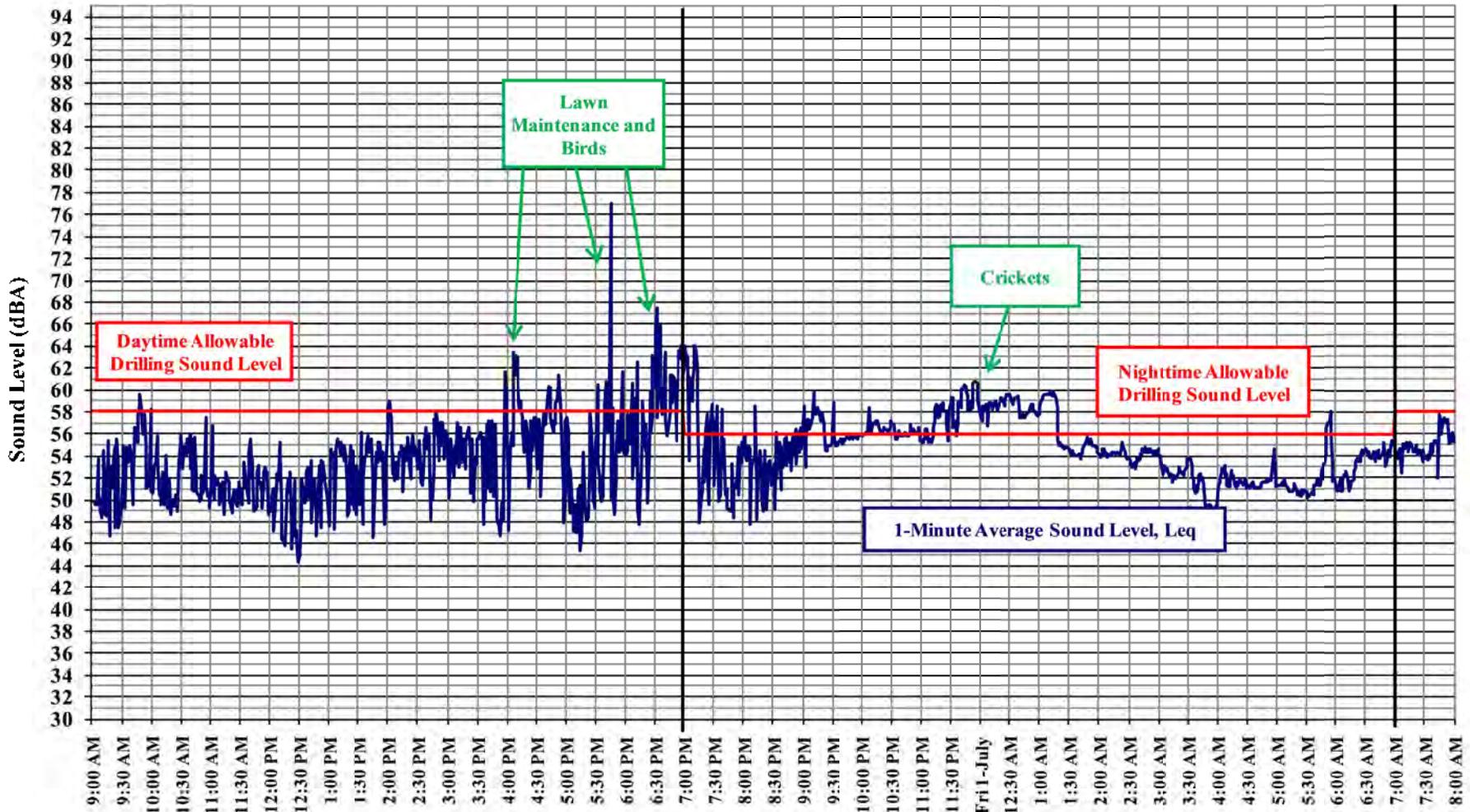
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



June 30 - July 1, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



June 30 - July 1, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 2, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Friday, July 1, to Saturday, July 2, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from birds and crickets at Monitoring Location #2 as the cause of the elevated sound levels. The fourth attached chart displays the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

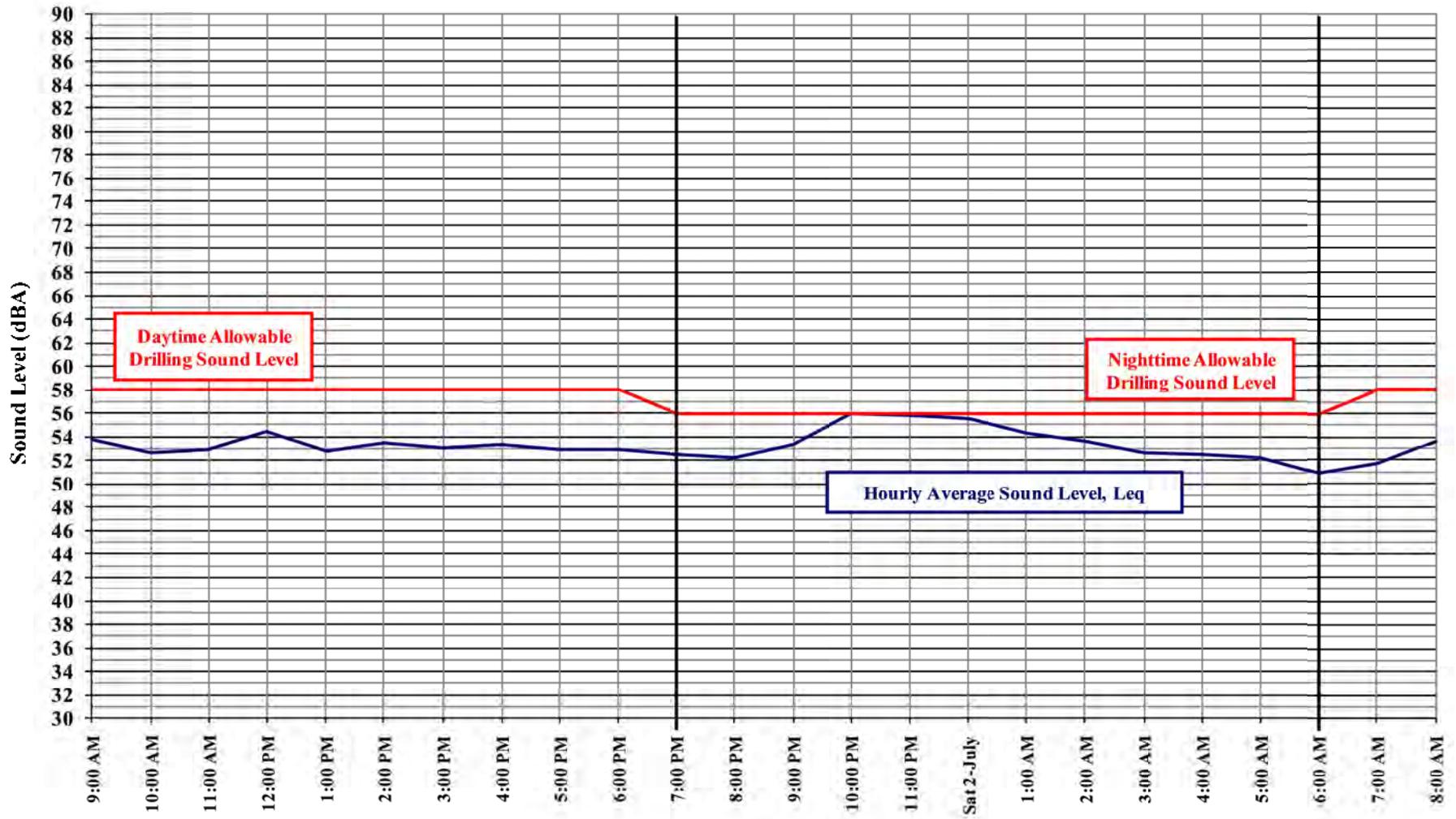
Very truly yours,

Don Behrens
President
95-4460624

Attachments



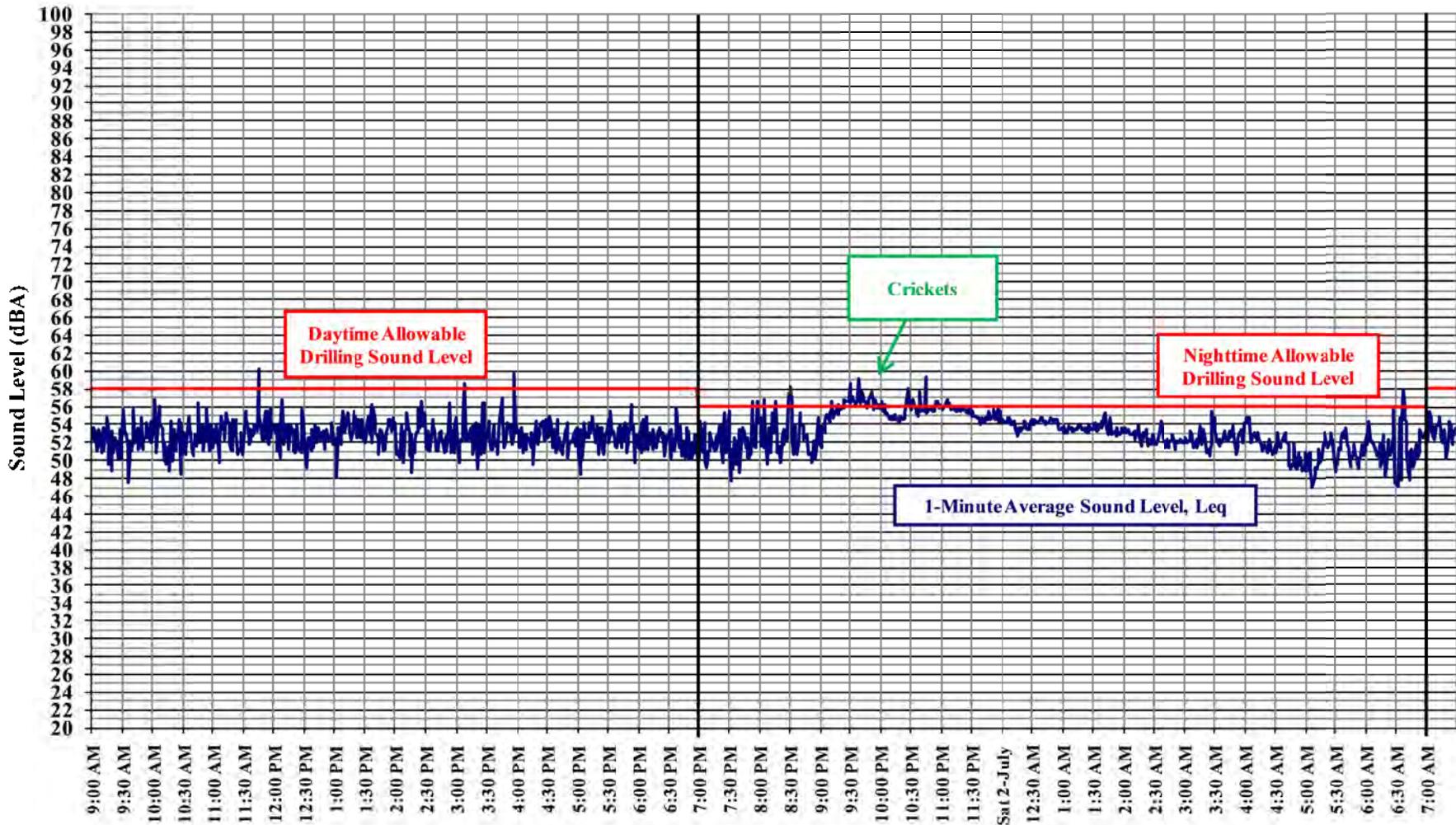
**Titan Operating
TCC 1H Drill Site - Monitoring Location #1
Continuous Sound Level Monitoring**



July 1 - July 2, 2011



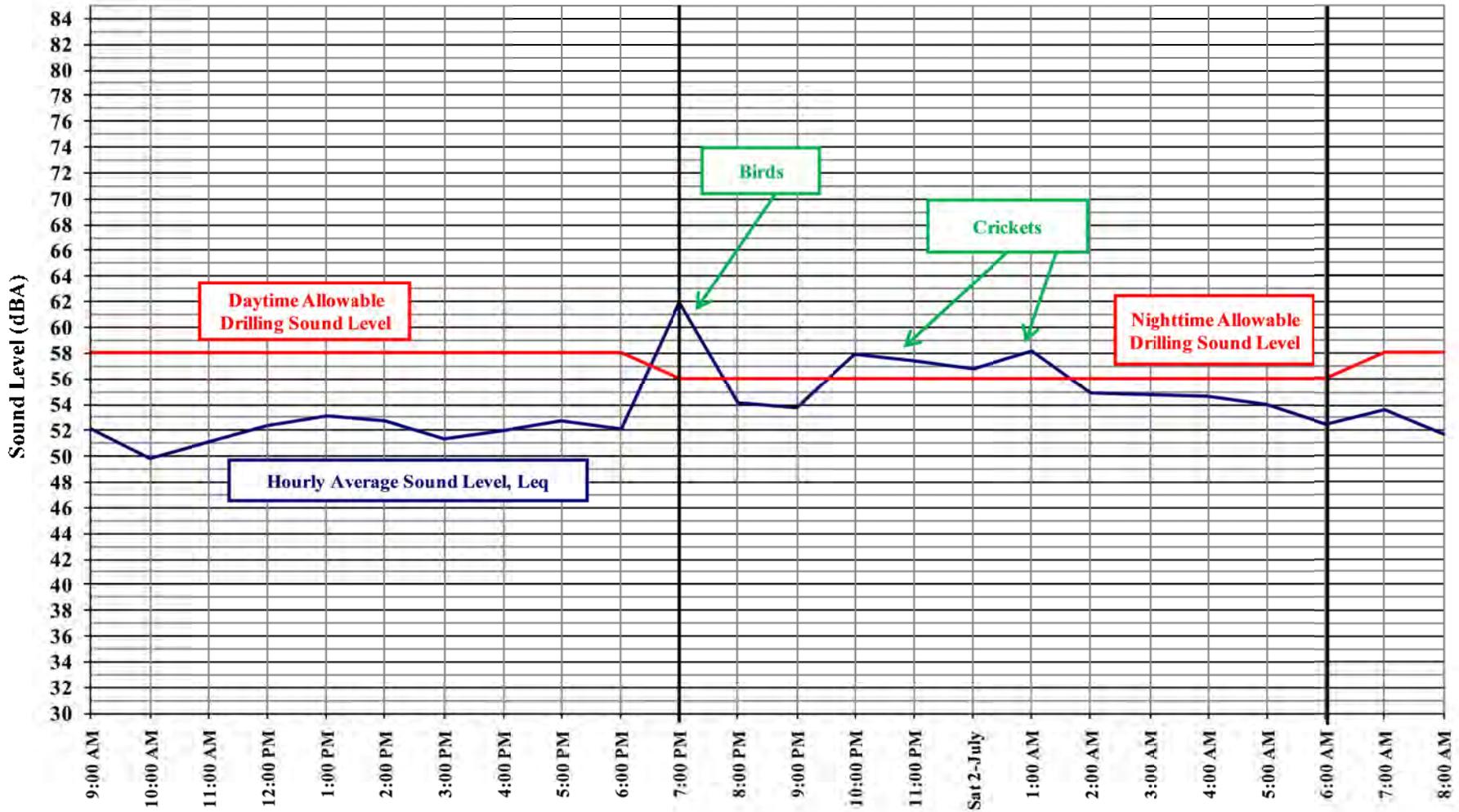
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 1 - July 2, 2011



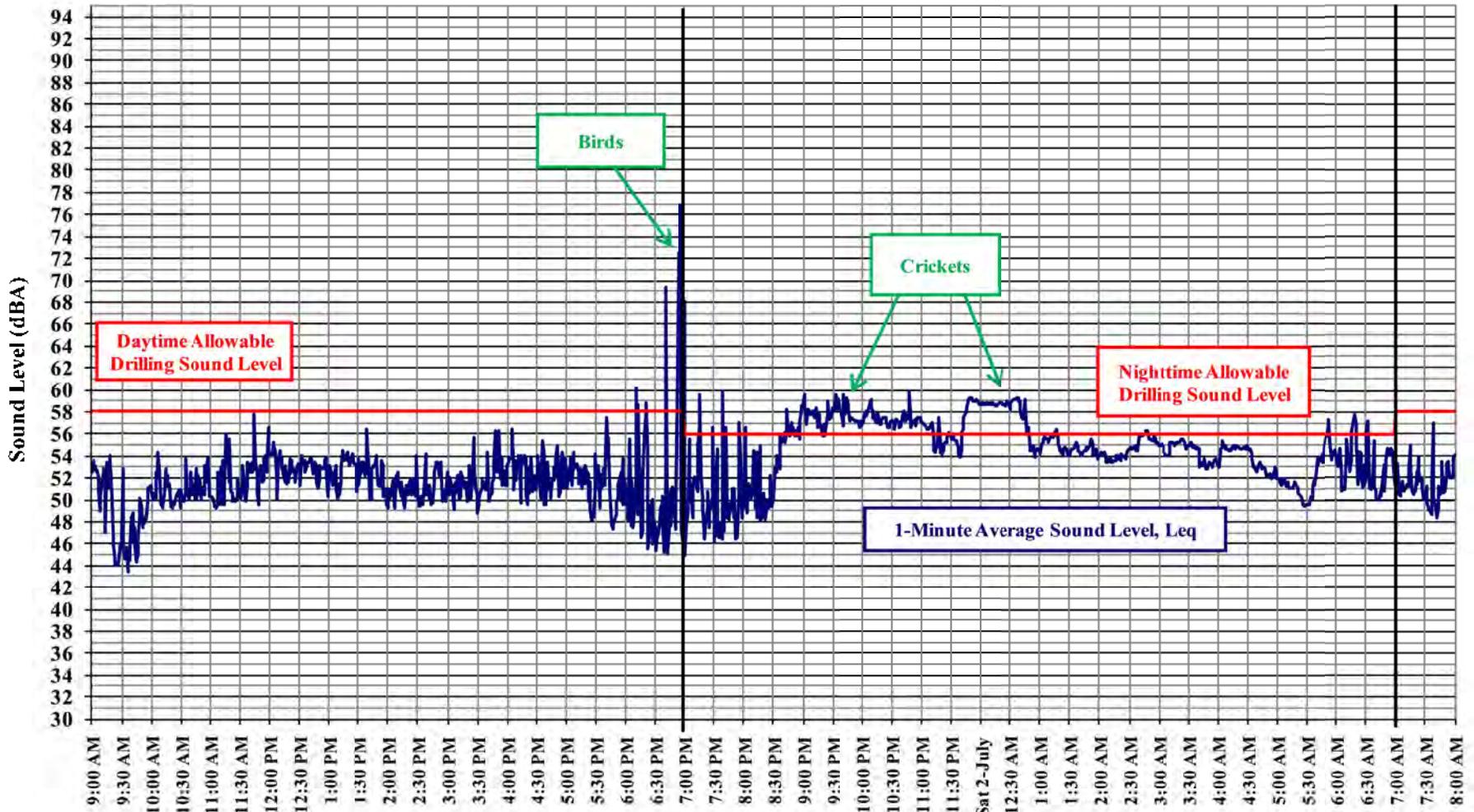
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 1 - July 2, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 1 - July 2, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 3, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Saturday, July 2, to Sunday, July 3, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from birds and crickets at Monitoring Location #1 and from crickets at Monitoring Location #2 as the cause of the elevated sound levels. The second and fourth attached charts display the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

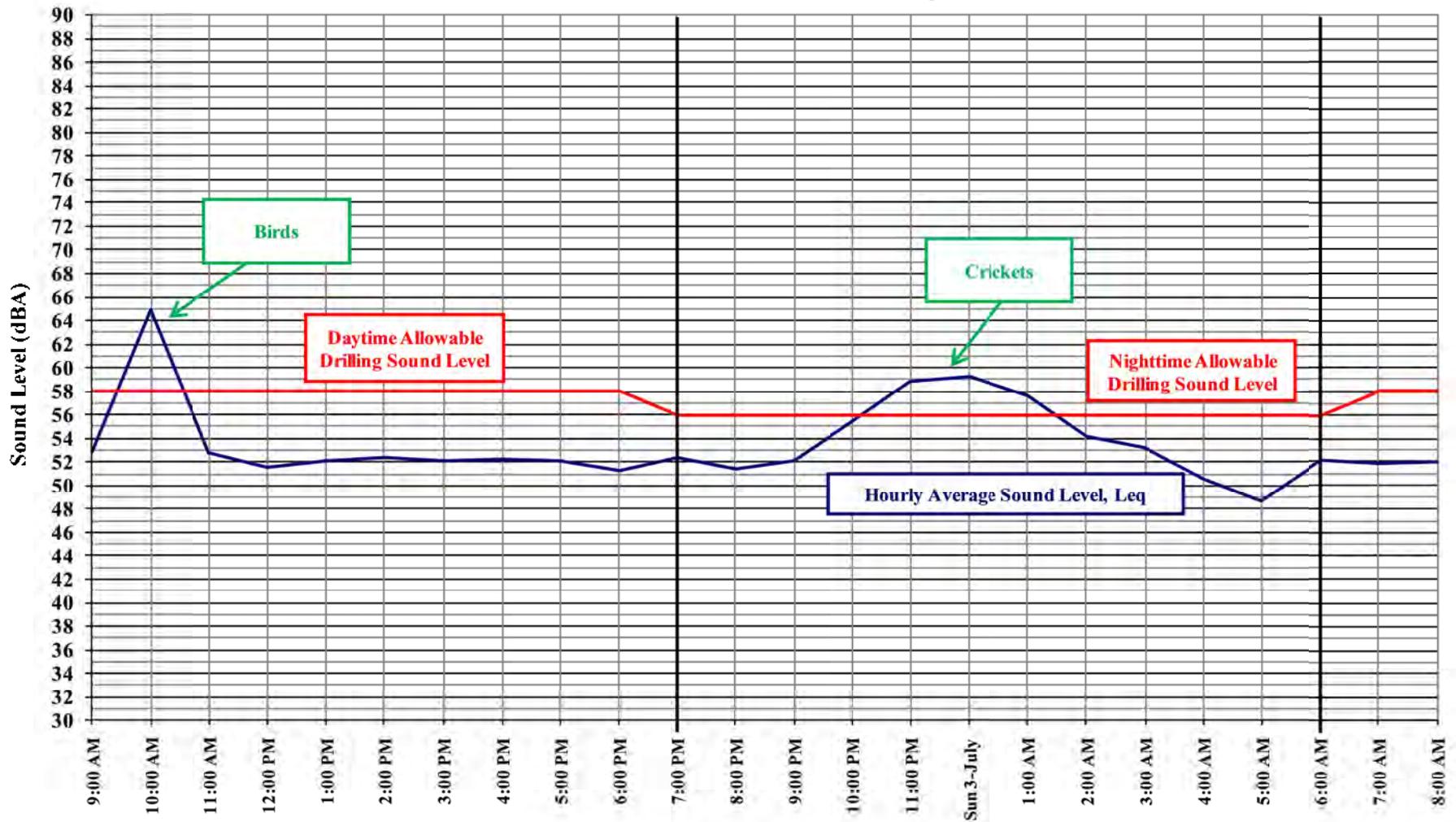
Very truly yours,

Don Behrens
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95-4460624

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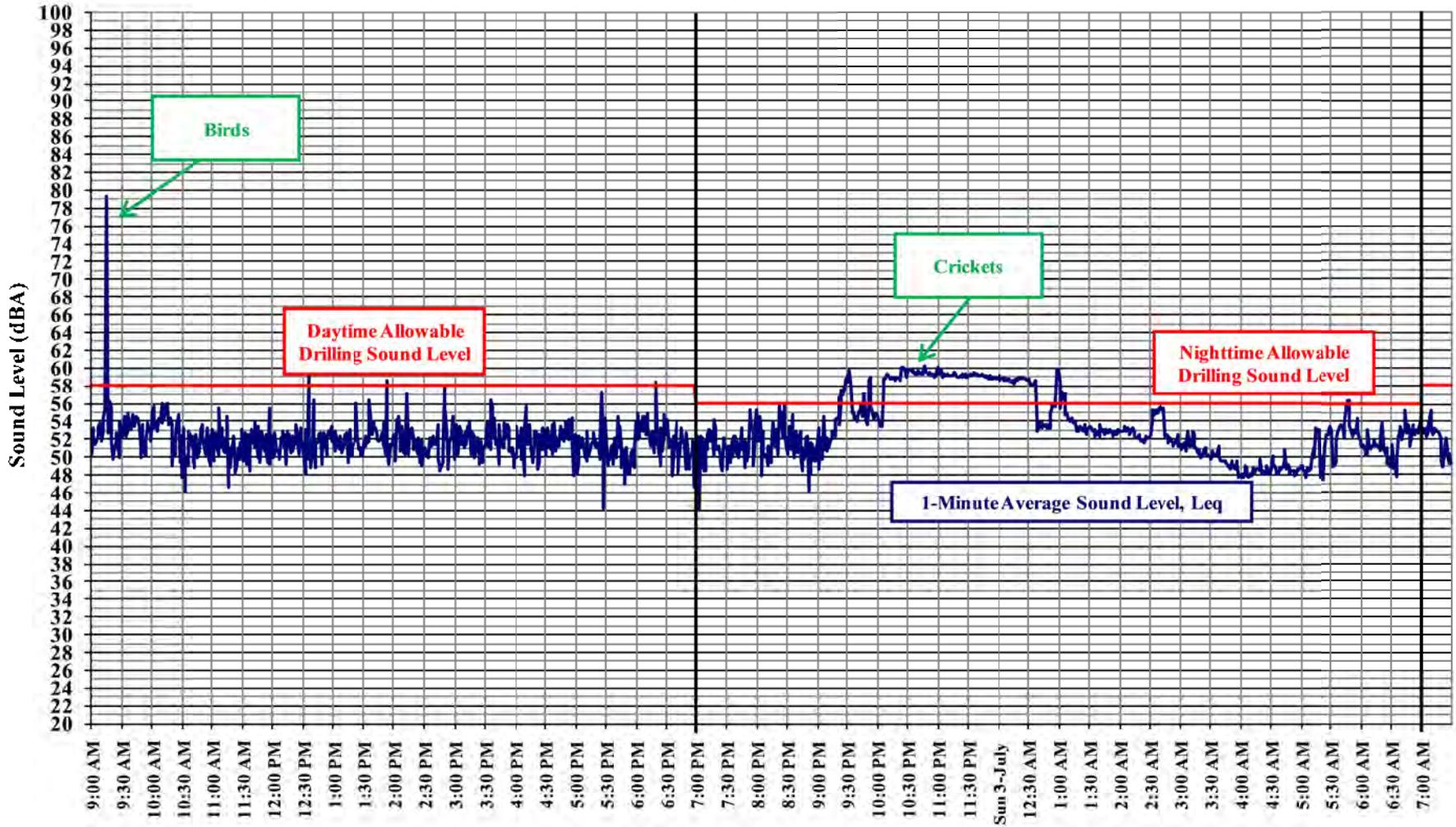
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 2 - July 3, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 2 - July 3, 2011



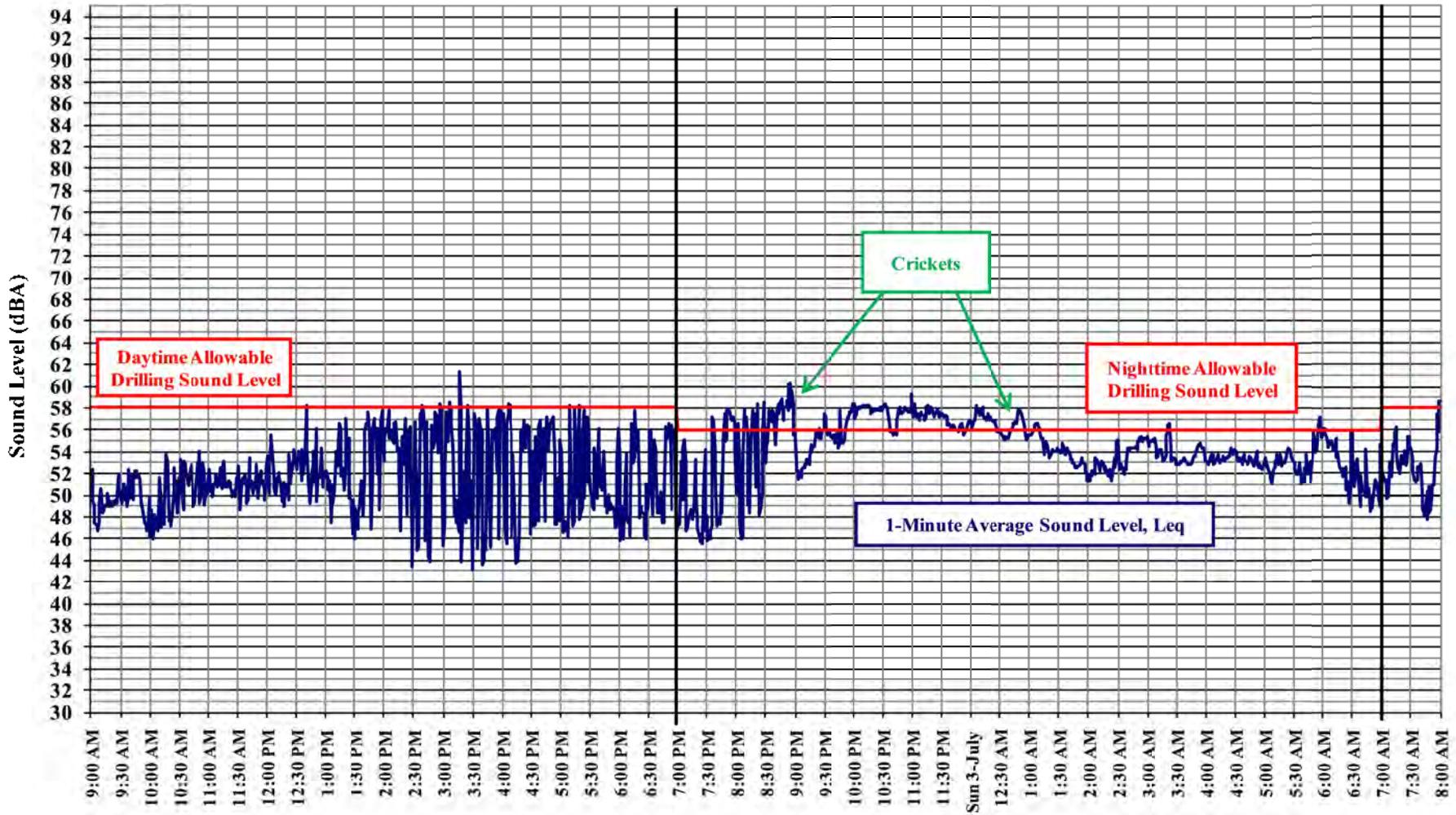
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 2 - July 3, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 2 - July 3, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 4, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Sunday, July 3, to Monday, July 4, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from crickets at Monitoring Location #1 and from birds and crickets at Monitoring Location #2 as the cause of the elevated sound levels. The second and fourth attached charts display the 1-minute average (Leq) for the period of exceedance.

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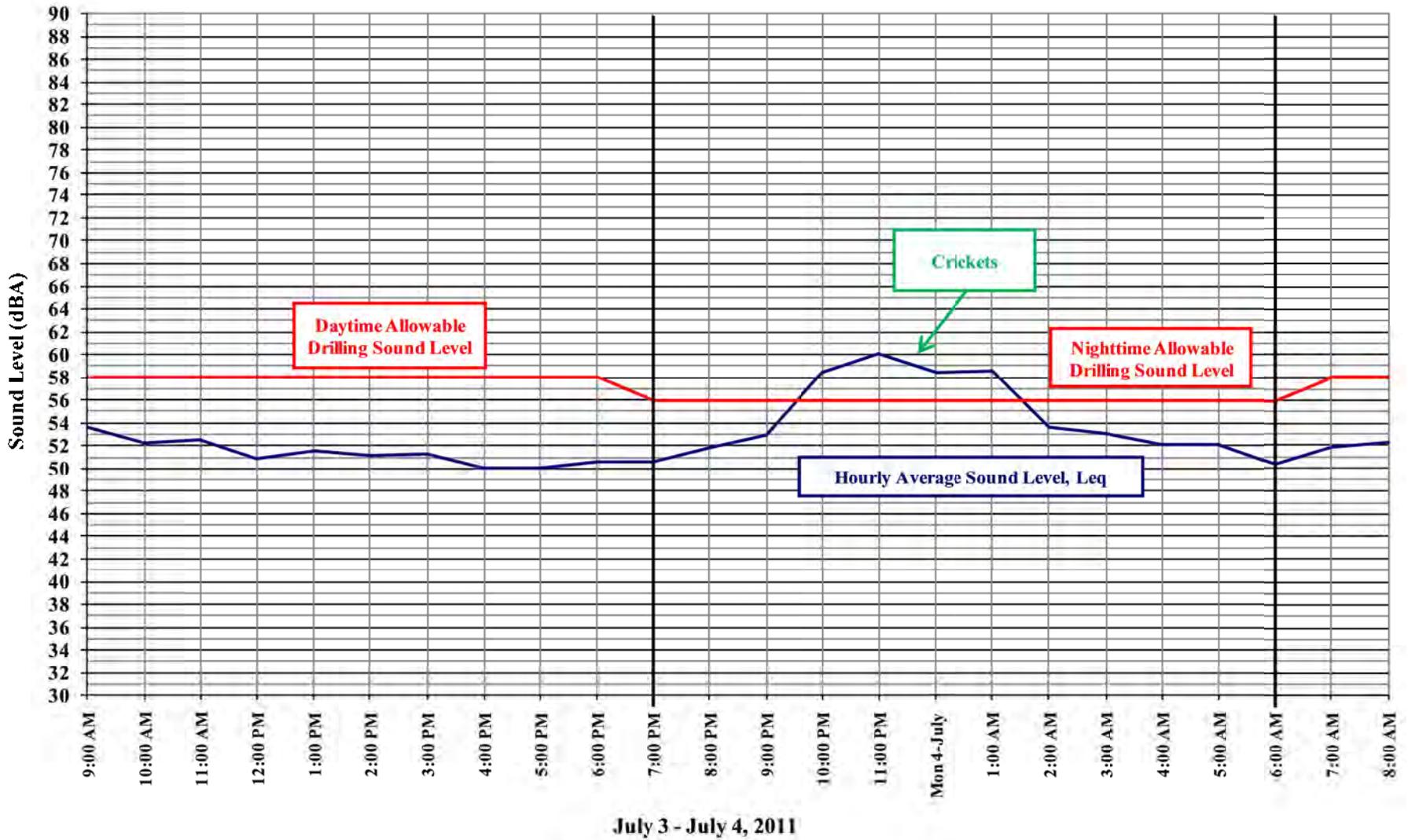
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Attachments

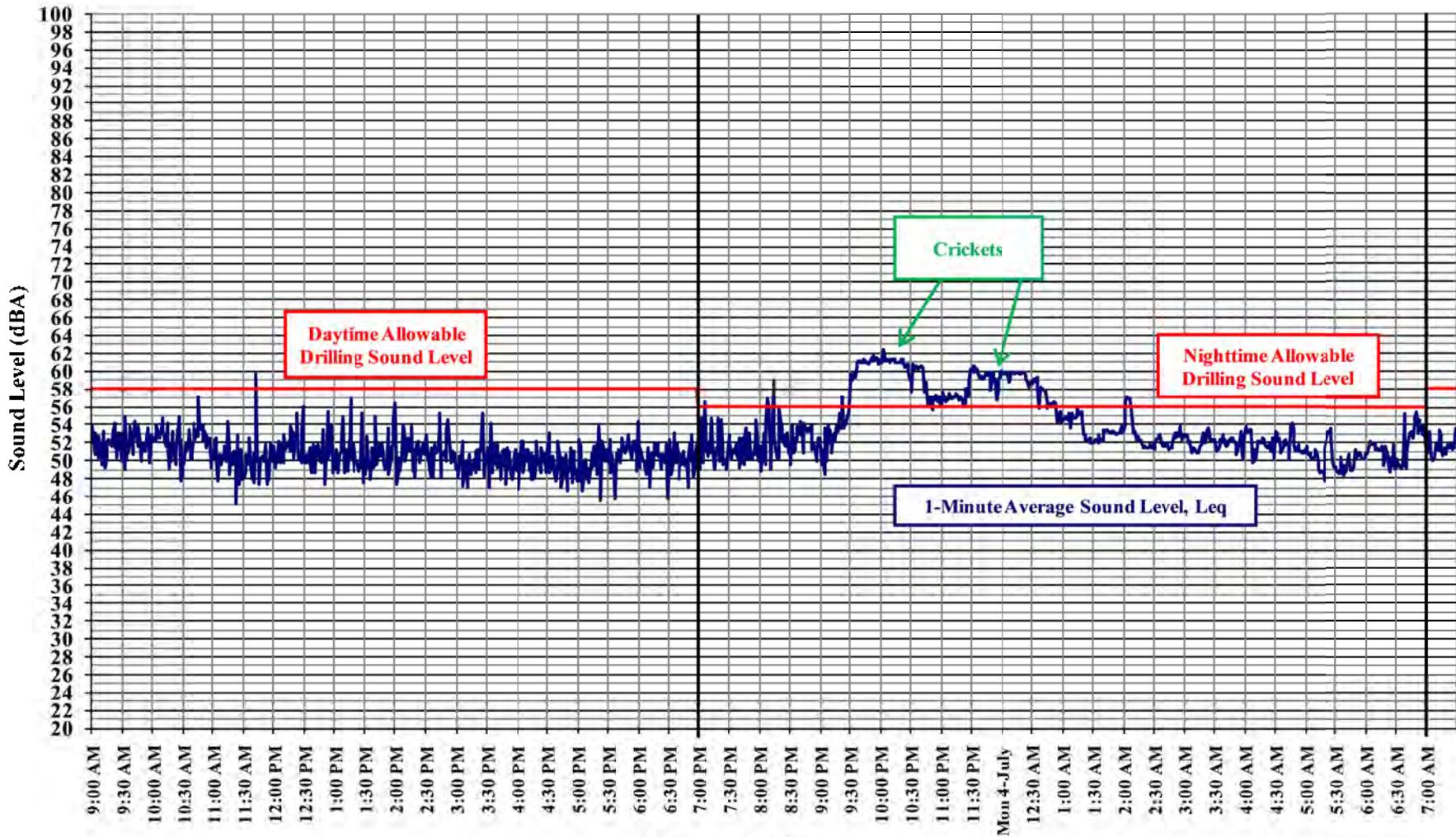


Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





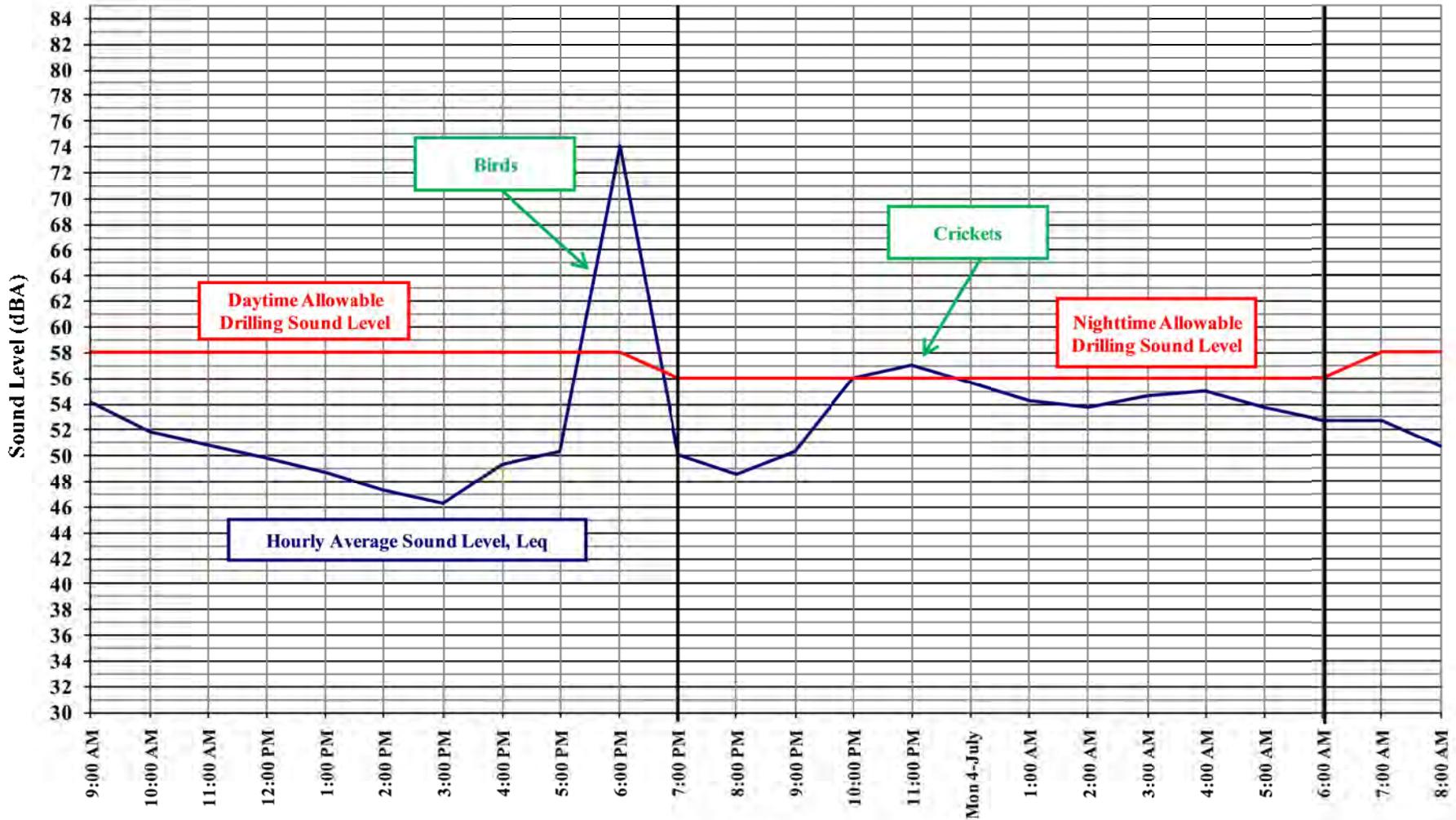
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 3 - July 4, 2011



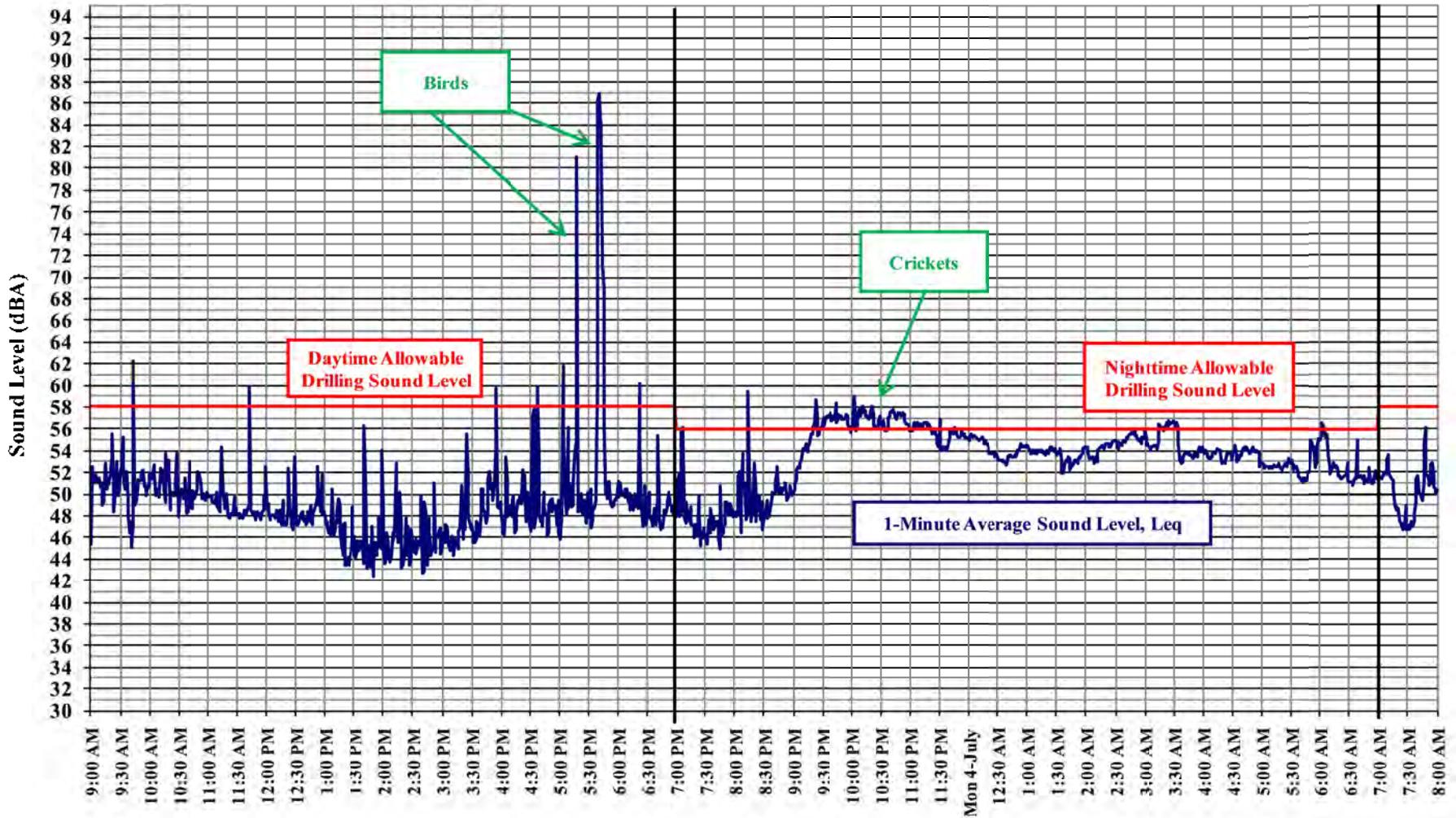
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 3 - July 4, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 3 - July 4, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 5, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Monday, July 4, to Tuesday, July 5, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

Please contact me if you have any questions or comments.

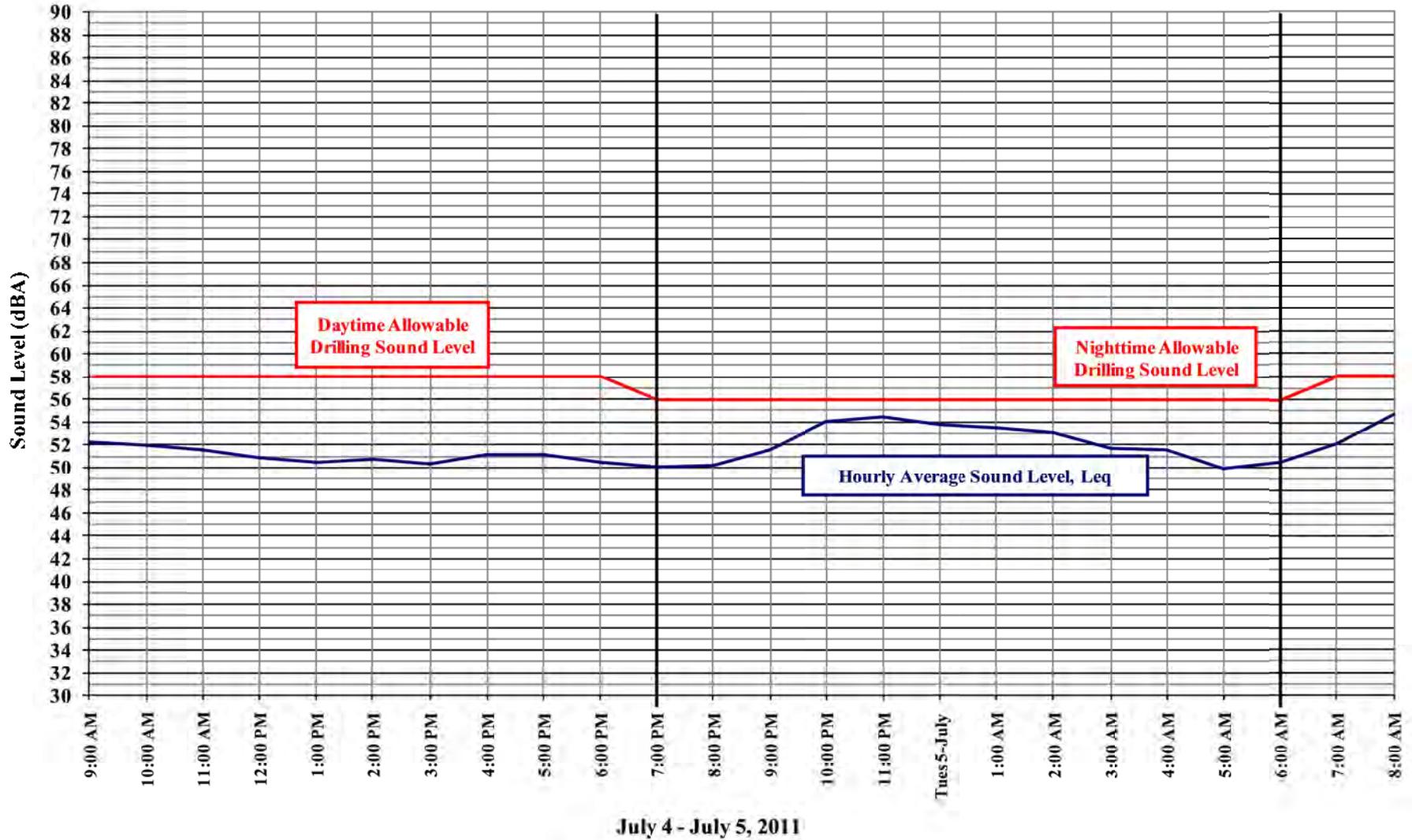
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Attachments

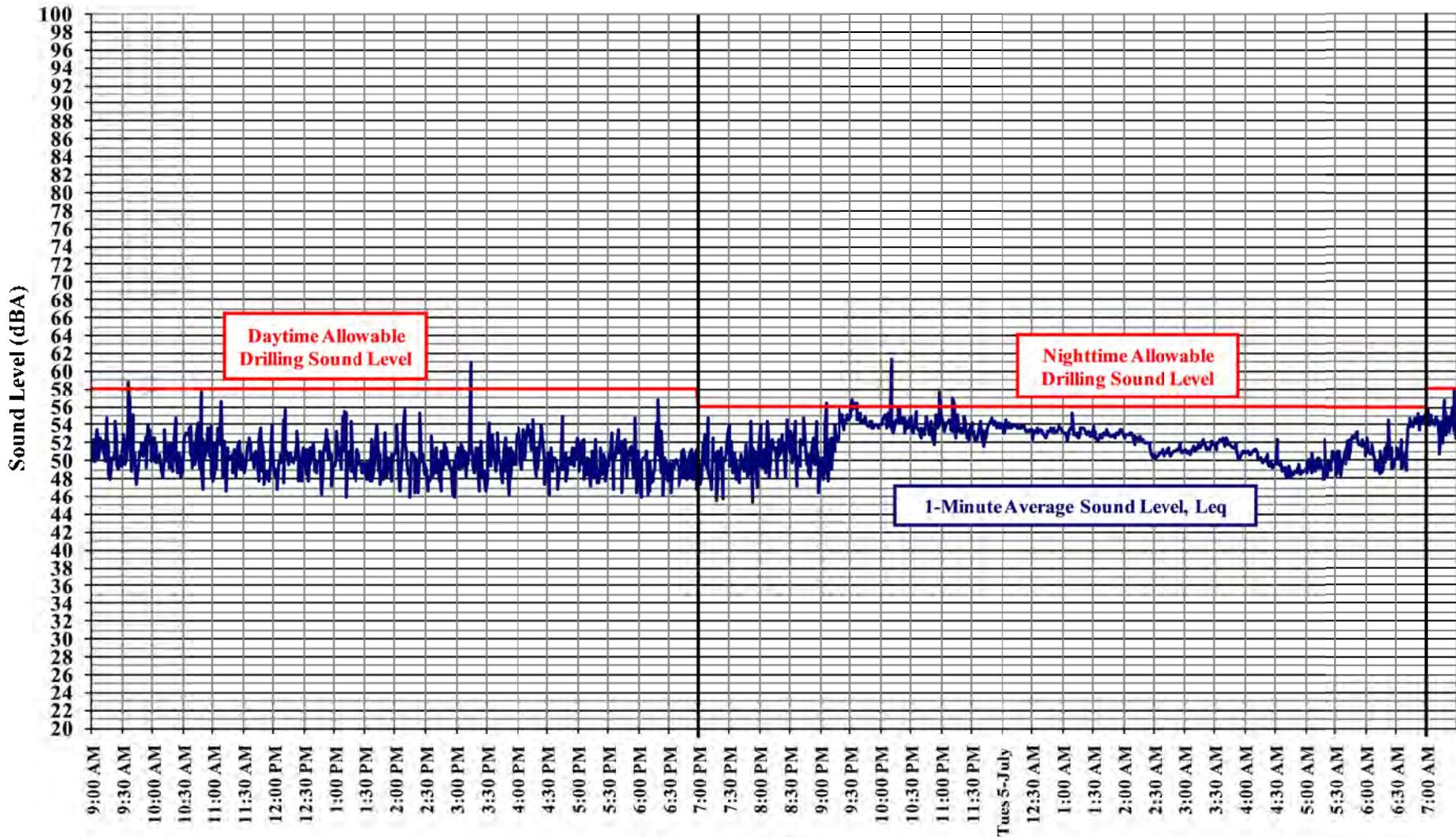


Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





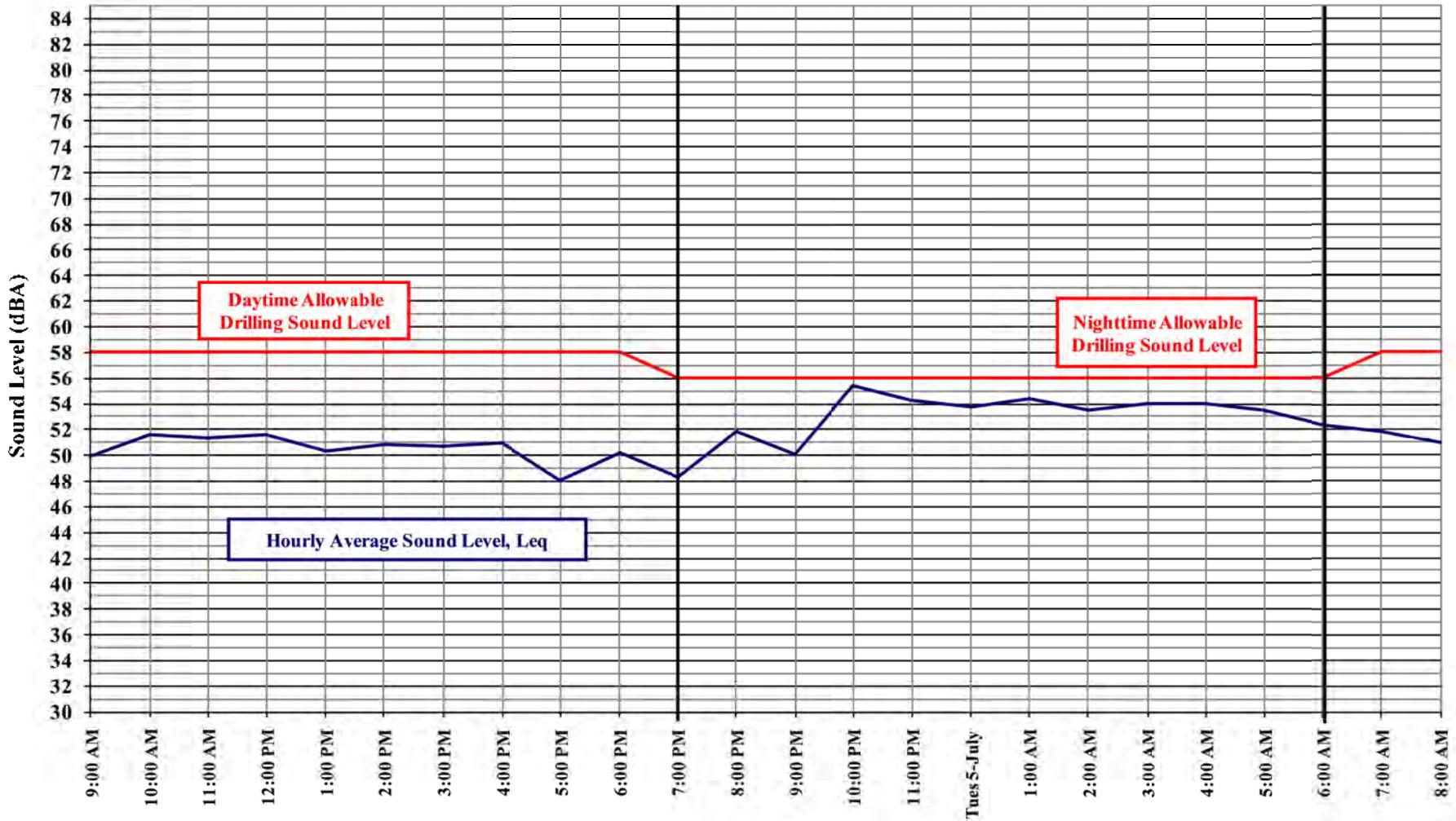
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 4 - July 5, 2011



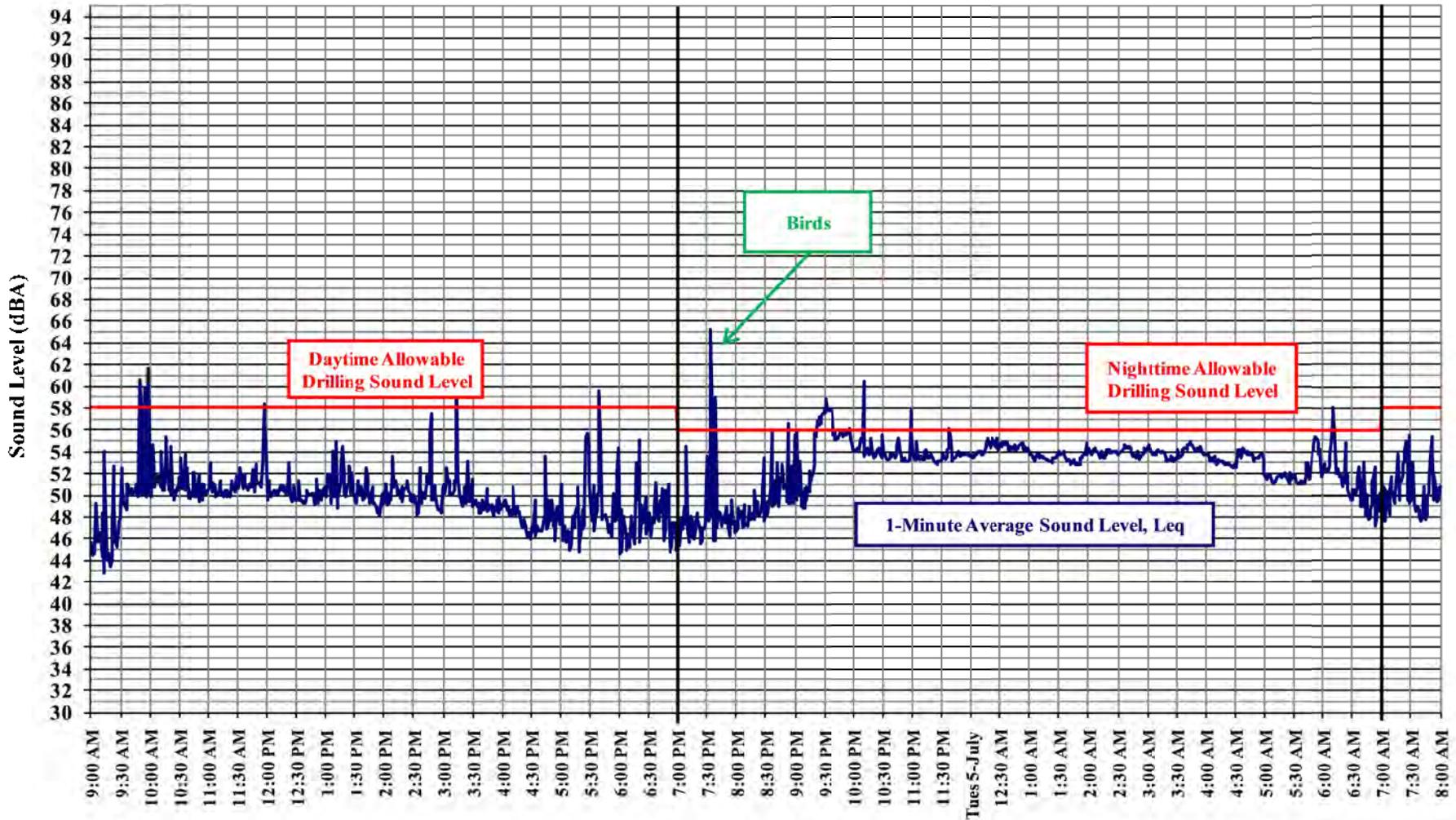
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 4 - July 5, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 4 - July 5, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 6, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Tuesday, July 5, to Wednesday, July 6, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from crickets at Monitoring Location #1 and crickets and air traffic at Monitoring Location #2 as the cause of the elevated sound levels.

Please contact me if you have any questions or comments.

Very truly yours,

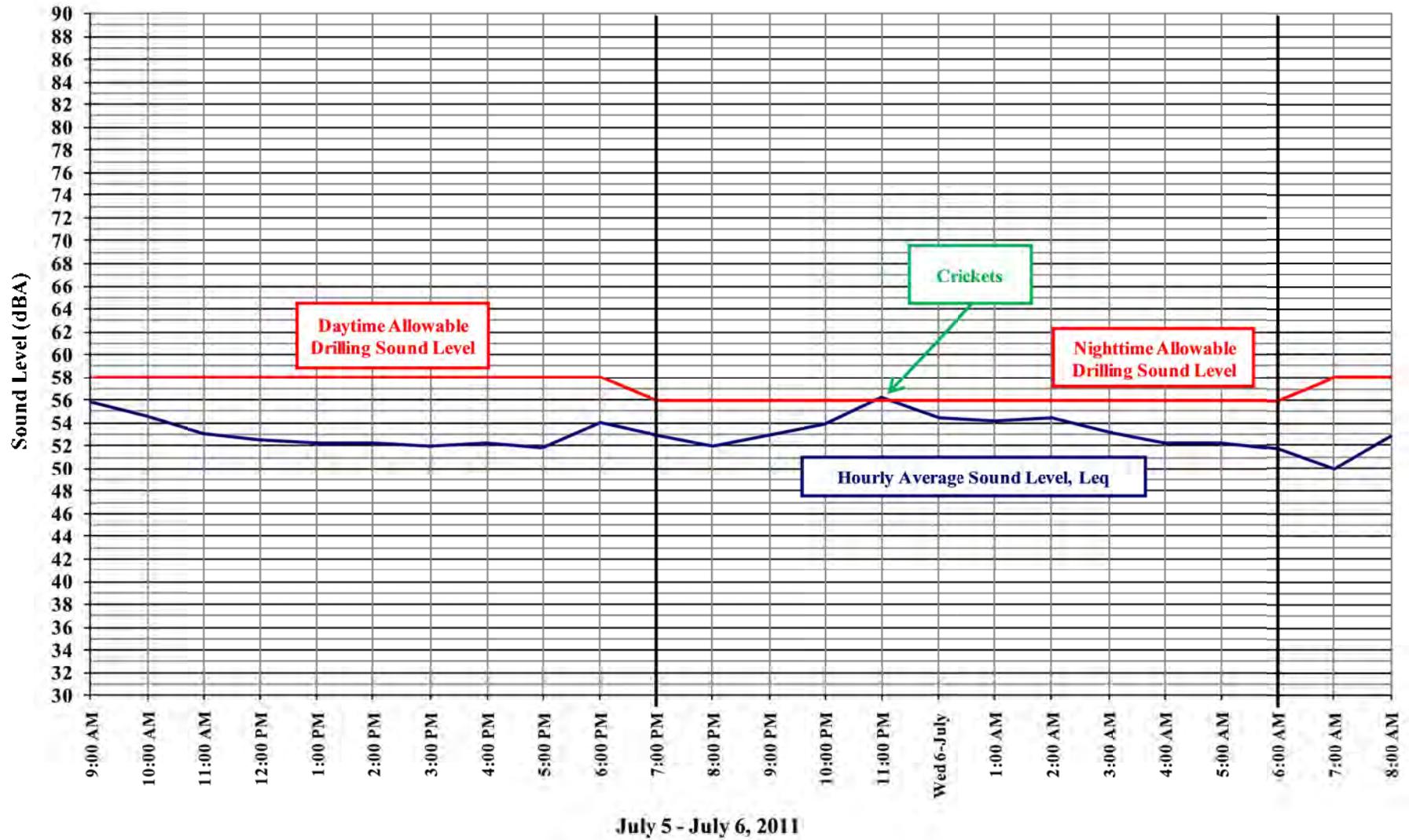
Don Behrens
President
95-4460624

Attachments

13806 Inglewood Avenue, Hawthorne, California 90250 ~ Telephone: 310-679-8633 ~ Facsimile: 310-331-1538
6003 Financial Plaza, Suite 202 A, Shreveport, LA 71129 ~ Telephone: 318-272-2040 ~ Facsimile: 318-686-5099
10111 E Bankhead Hwy, Aledo, Texas 76008 ~ Telephone: 817-441-5556 ~ Facsimile: 817-441-5561
3328 David Drive, Napa, California 94558 ~ Telephone: 707-252-9019 ~ Facsimile: 707-252-8333
1400 16th Street, Suite 400, Denver, Colorado 80202 ~ Telephone: 303-618-5322
www.environmental-noise-control.com

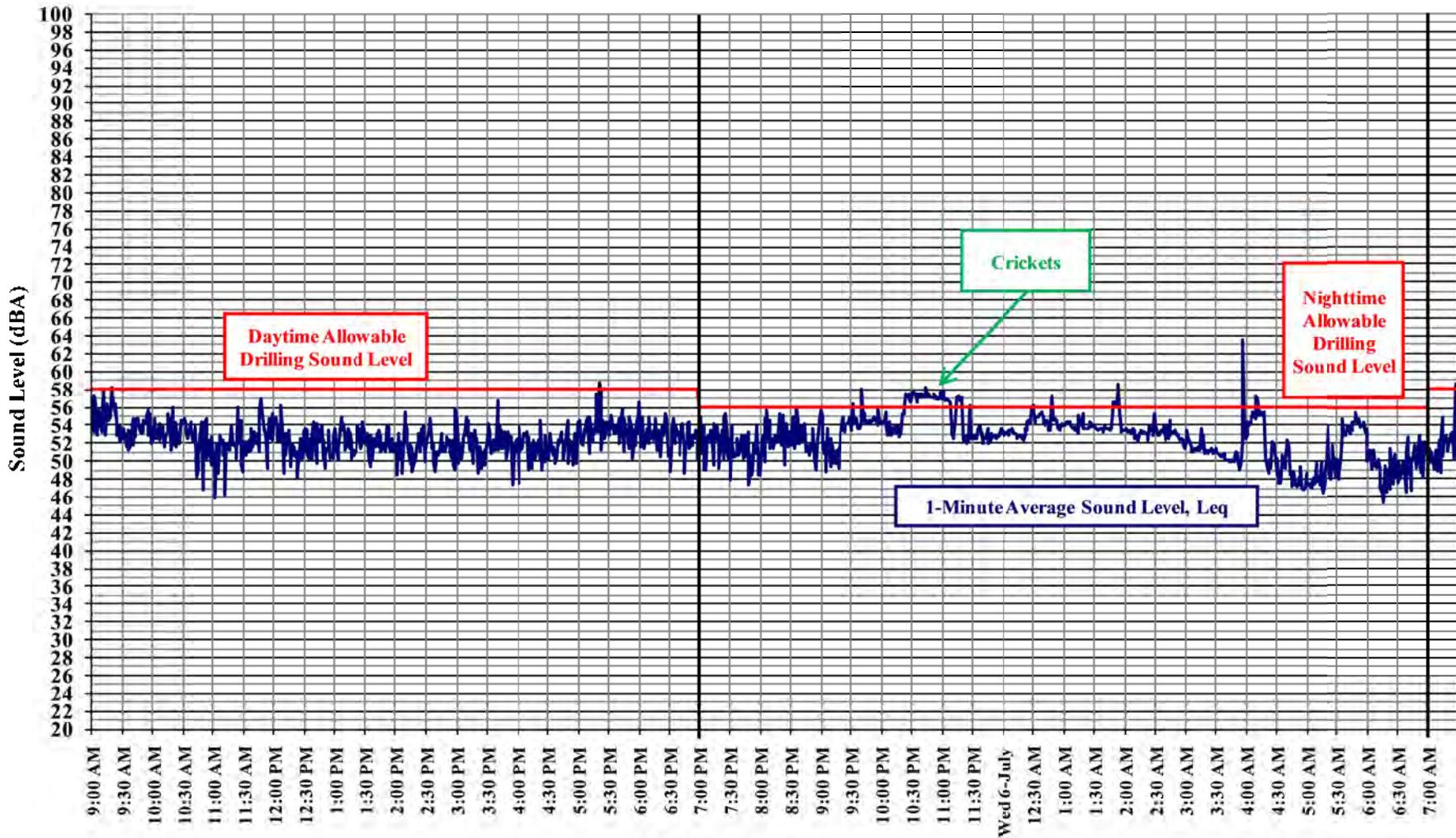


Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





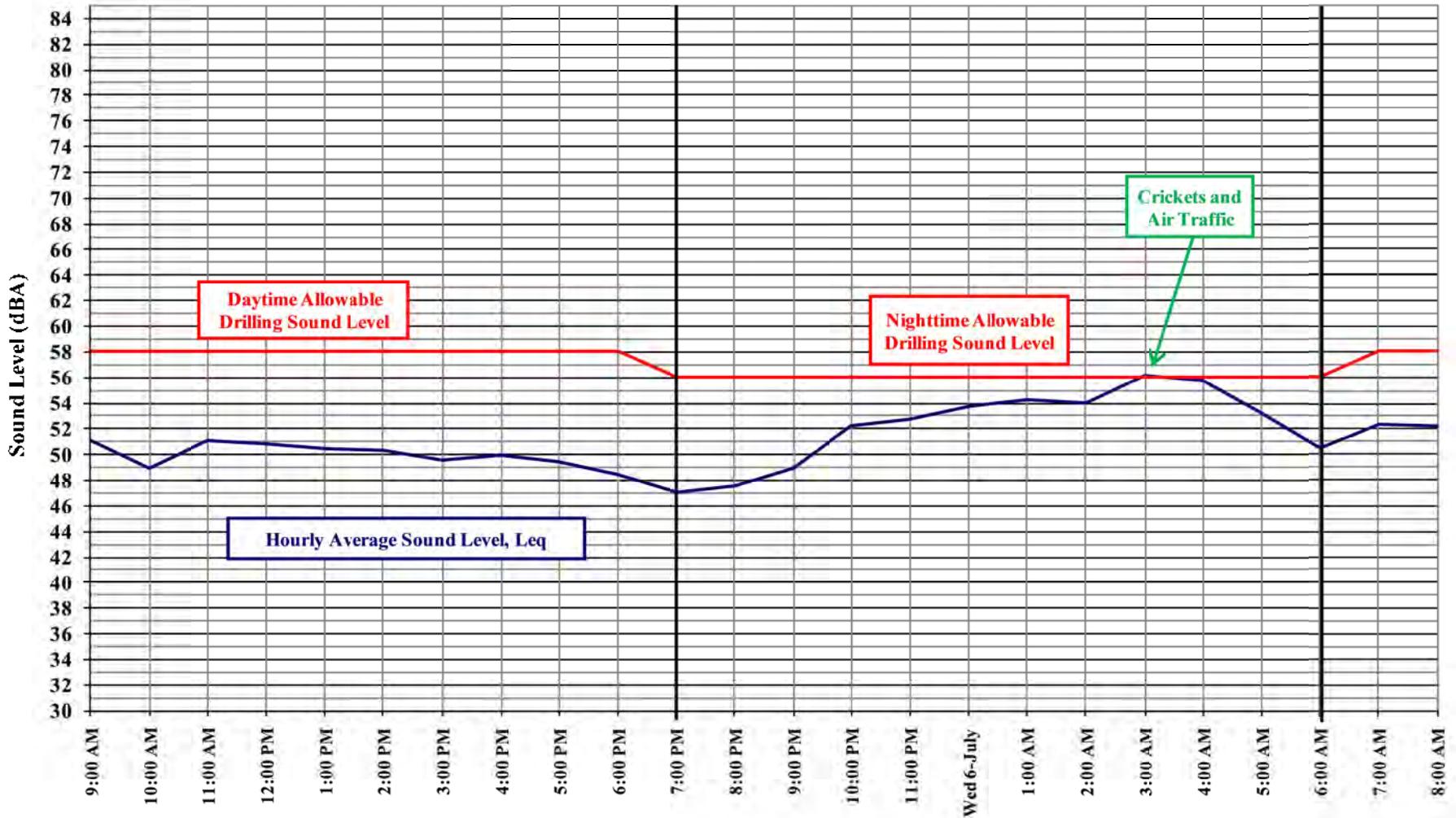
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 5 - July 6, 2011



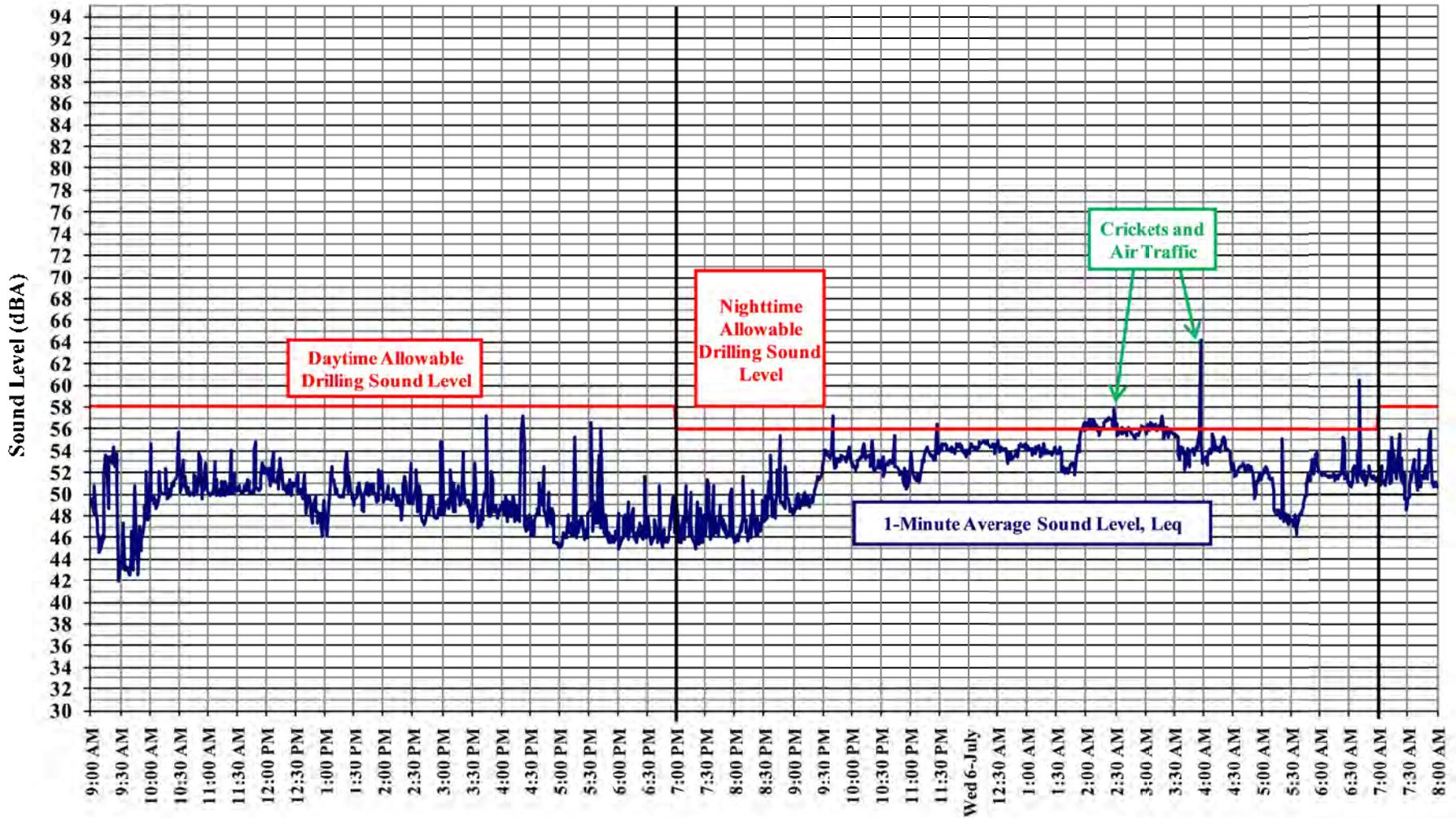
Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 5 - July 6, 2011



Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 5 - July 6, 2011

Behrens and Associates, Inc.

Environmental Noise Control



July 7, 2011

Titan Operating, LLC
111 West 4th Street STE 300
Fort Worth, Texas 76102

Attention: Tom Strother

Subject: TCC 1H Drill Site Continuous Operational Sound Level Survey

Dear Mr. Strother:

Please find the attached charts displaying the measured operational sound levels at the TCC 1H drill site in Colleyville, TX, from Wednesday, July 6, to Thursday, July 7, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #1, (north of drill site), and Monitoring Location #2, (west of drill site).

The measured hourly sound levels were out of compliance with the allowable drilling sound levels periodically throughout the duration of the survey. Review of an audio recording made during the monitoring period revealed off-site noise from crickets at Monitoring Location #1 as the cause of the elevated sound levels.

Please contact me if you have any questions or comments.

Very truly yours,

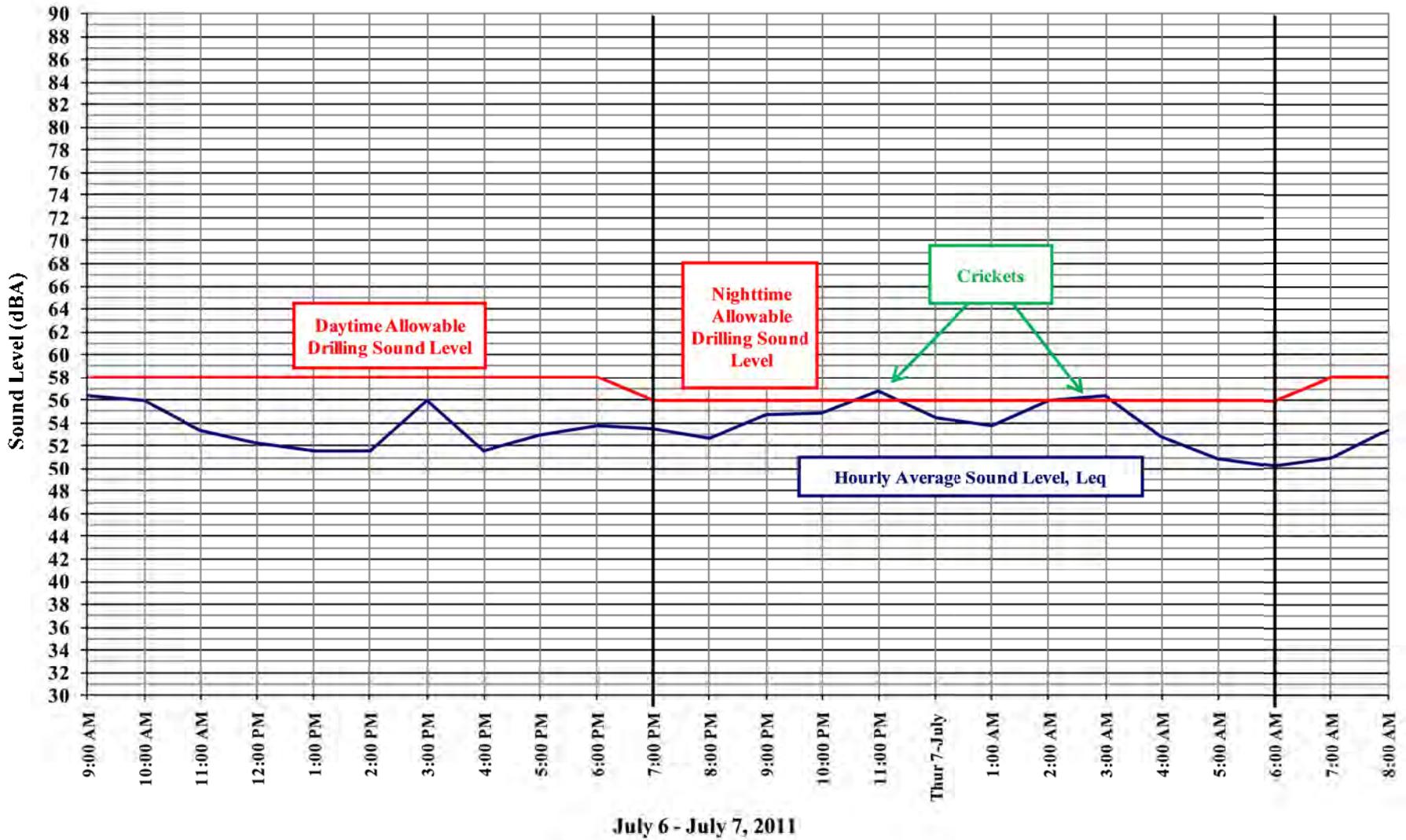
Don Behrens
President
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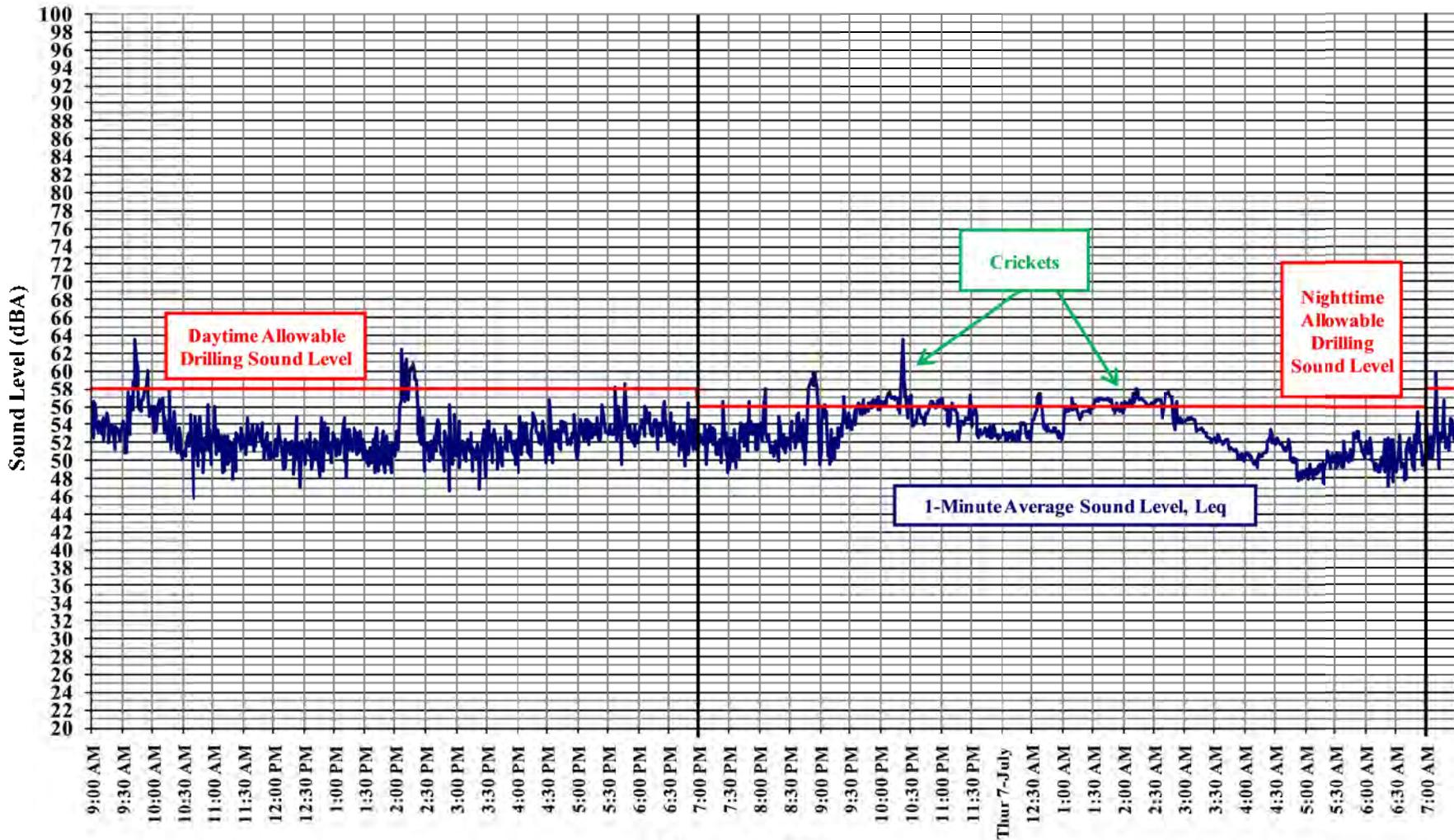


Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





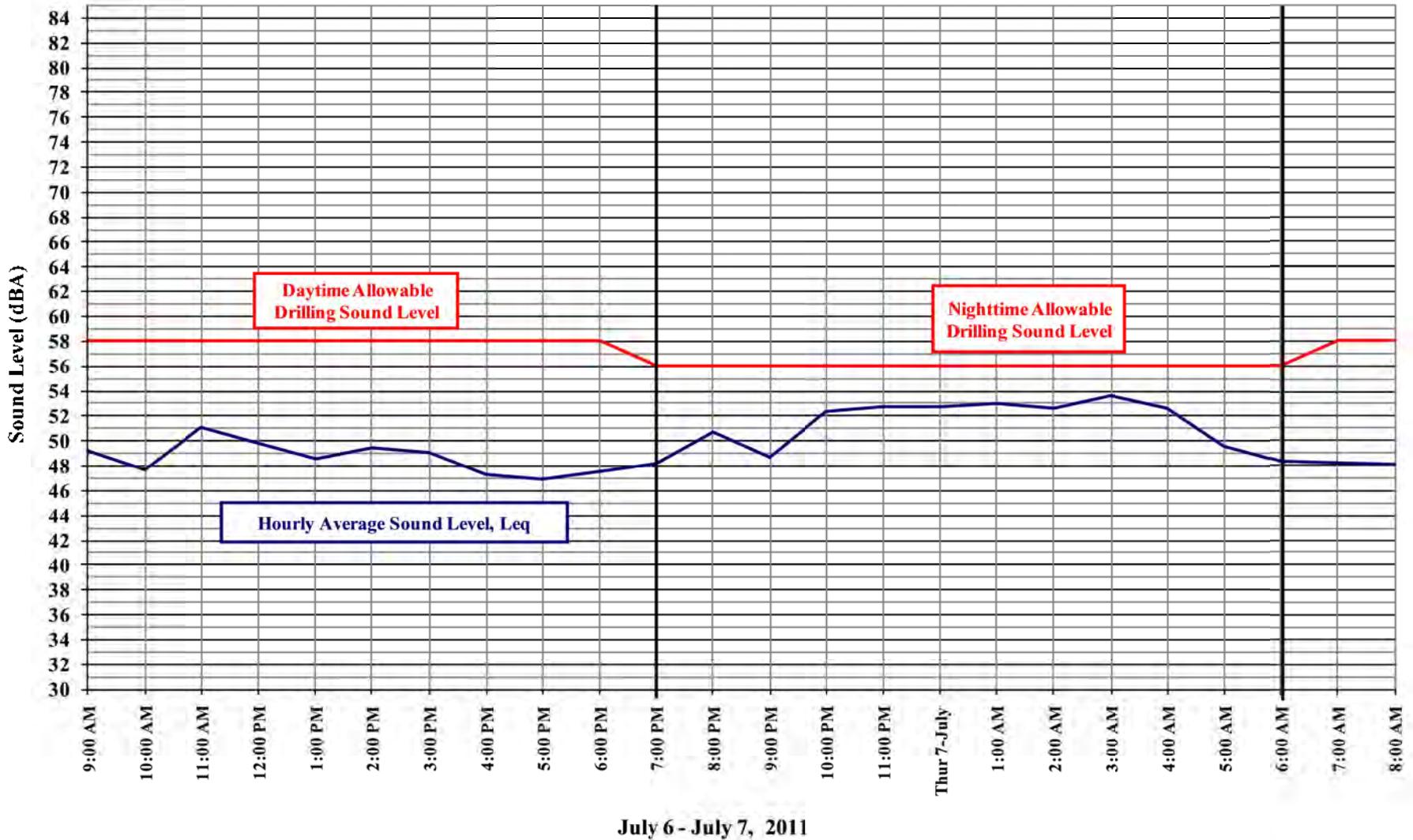
Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



July 6 - July 7, 2011

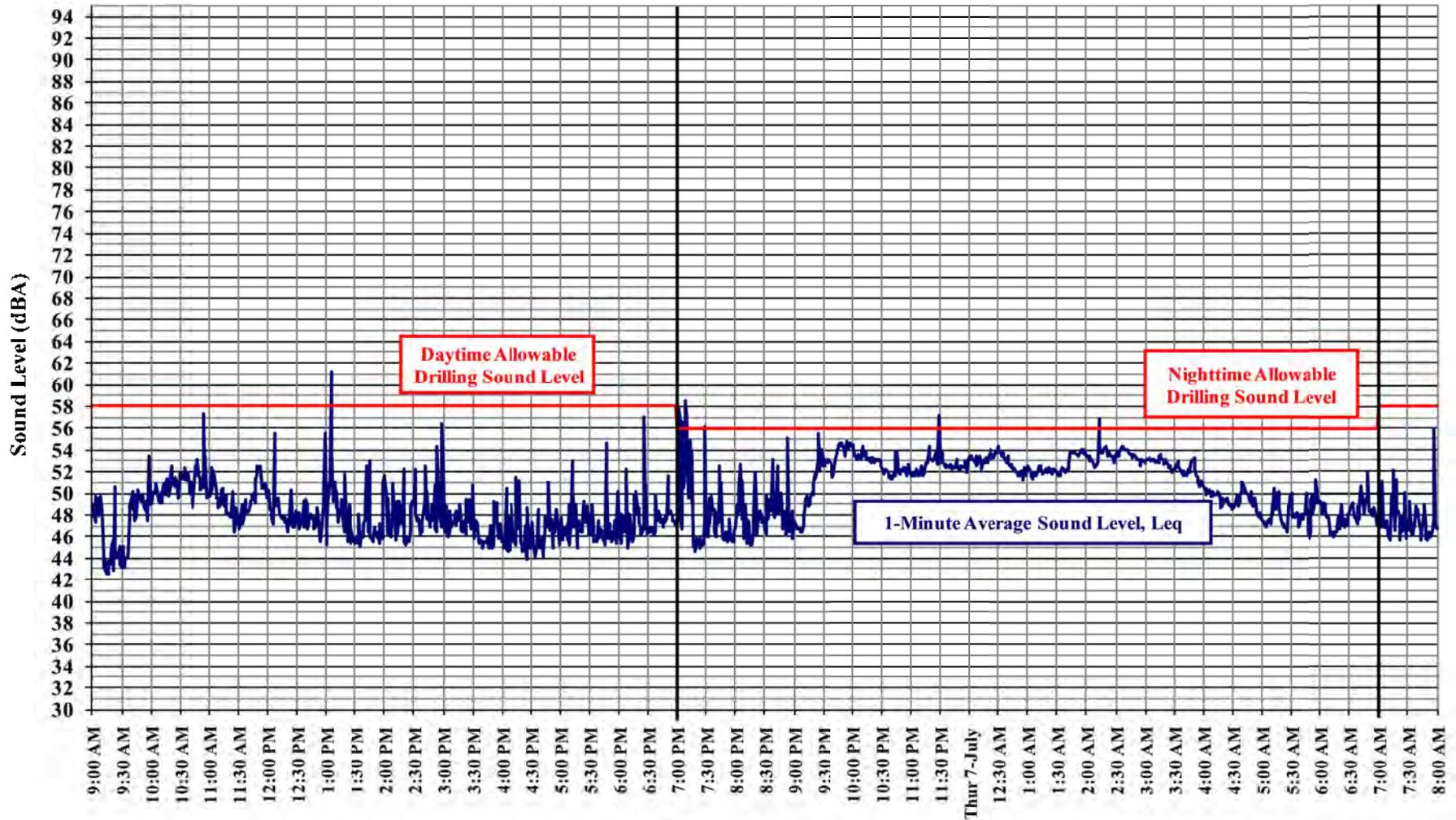


Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



July 6 - July 7, 2011