

## 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 15 – June 21, 2011

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

### General Comments:

Drilling of the “I” well is complete. As of this report, the surface hole for the “J” well has been drilled and the surface casing will be installed and cemented within a day. After waiting on the cement to cure, they will continue drilling the “J” well.

A new Railroad Commission inspector is assigned to the site and will be observing the cementing of the “J” well surface casing. The “J” well is about 30 feet from the previous wells which allowed the picture of the well heads to the right. The incomplete well on the right side of the photo is the “E” well. The fluid in the cellars is rainwater from the previous night’s storm.



### Noise

Nighttime ambient noise is slightly elevated due to crickets. This typically starts around 9-10pm lasting until around 4-5am . The measured level runs just under the allowable noise level and the waveform clearly shows the consistency of the cricket noise by a smoother curve shape.

All non-compliance incidents this past week were due to birds, high winds, air traffic, lawn maintenance, and thunderstorms.

### Environmental

Fill extracted from the cellar construction of the new wells has been kept on site to use for future pad grading.

The storms over the past couple days has caused some storm water retention on the pad and the surrounding property. Typical procedure is for vacuum tankers to remove standing water from the pad site. The site retention berms continue to be effective in containing storm water within the pad site.

#### Compliance/Documentation/Reporting

Permits for wells “H” and “J” from both the RRC and Colleyville are officially filed.

Due to work hour constraints, after finishing drilling the “I” well, on 6/18/2011, they went idle for about 5 hours from 2-7am until the cement trucks could arrive on site to cement the production casing.

#### Site Conditions

After restoring the landscaping alongside the entrance drive trucks continue to straddle the edge of the driveway to maneuver the s-shaped pavement. This resulted in a new set of ruts alongside the entrance drive.

With the hot weather, some of the newly planted trees have gone dormant. The landscaper was on site a few times this past week.

A change-out was made of the living quarter electric generators due to intermittent power failures.

The overall site condition is good.

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 17, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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 16, to Friday, June 17, 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 from 6:00 PM – 7:00 PM on Thursday, June 16, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from birds in the vicinity of 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.

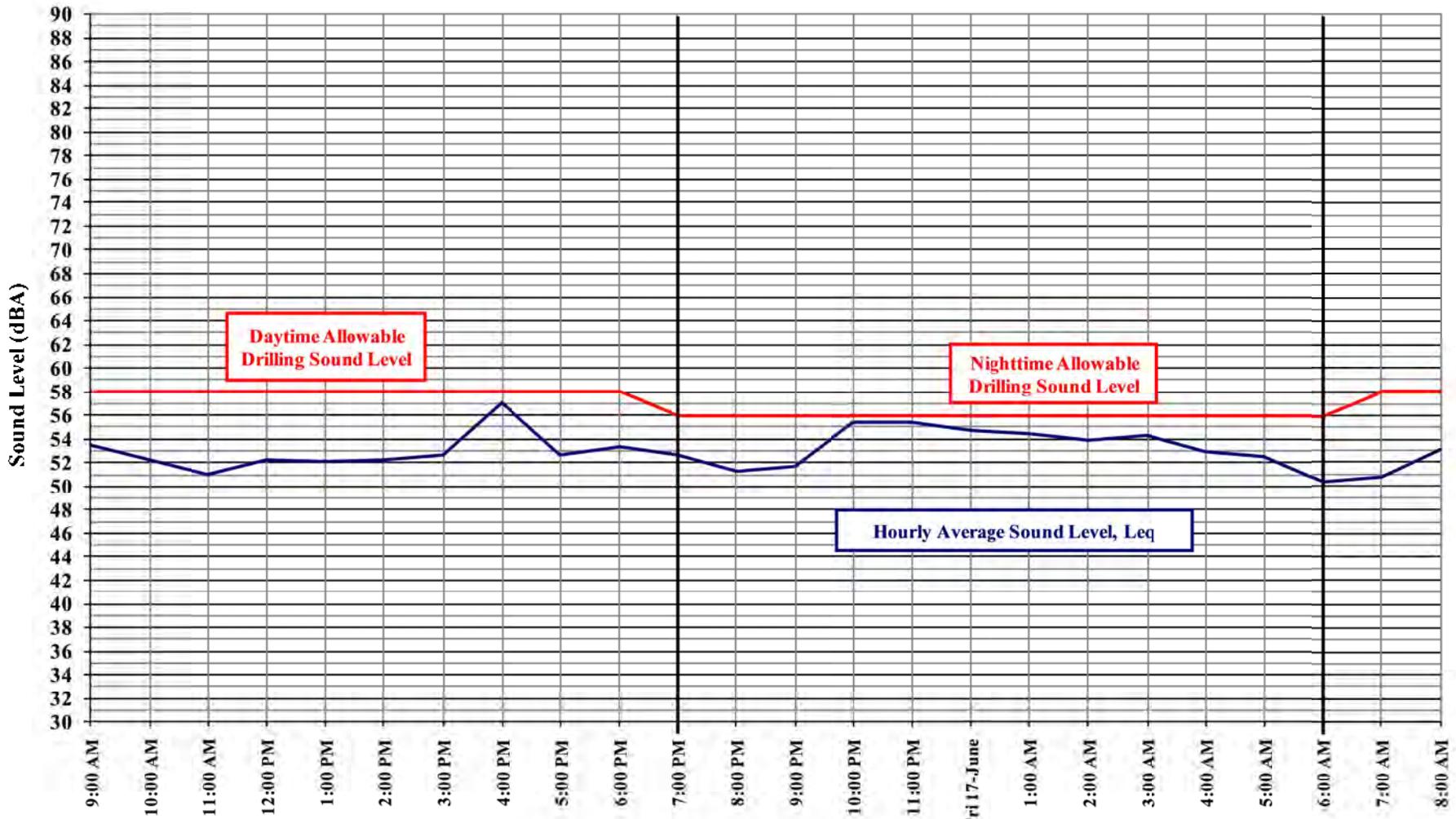
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments



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



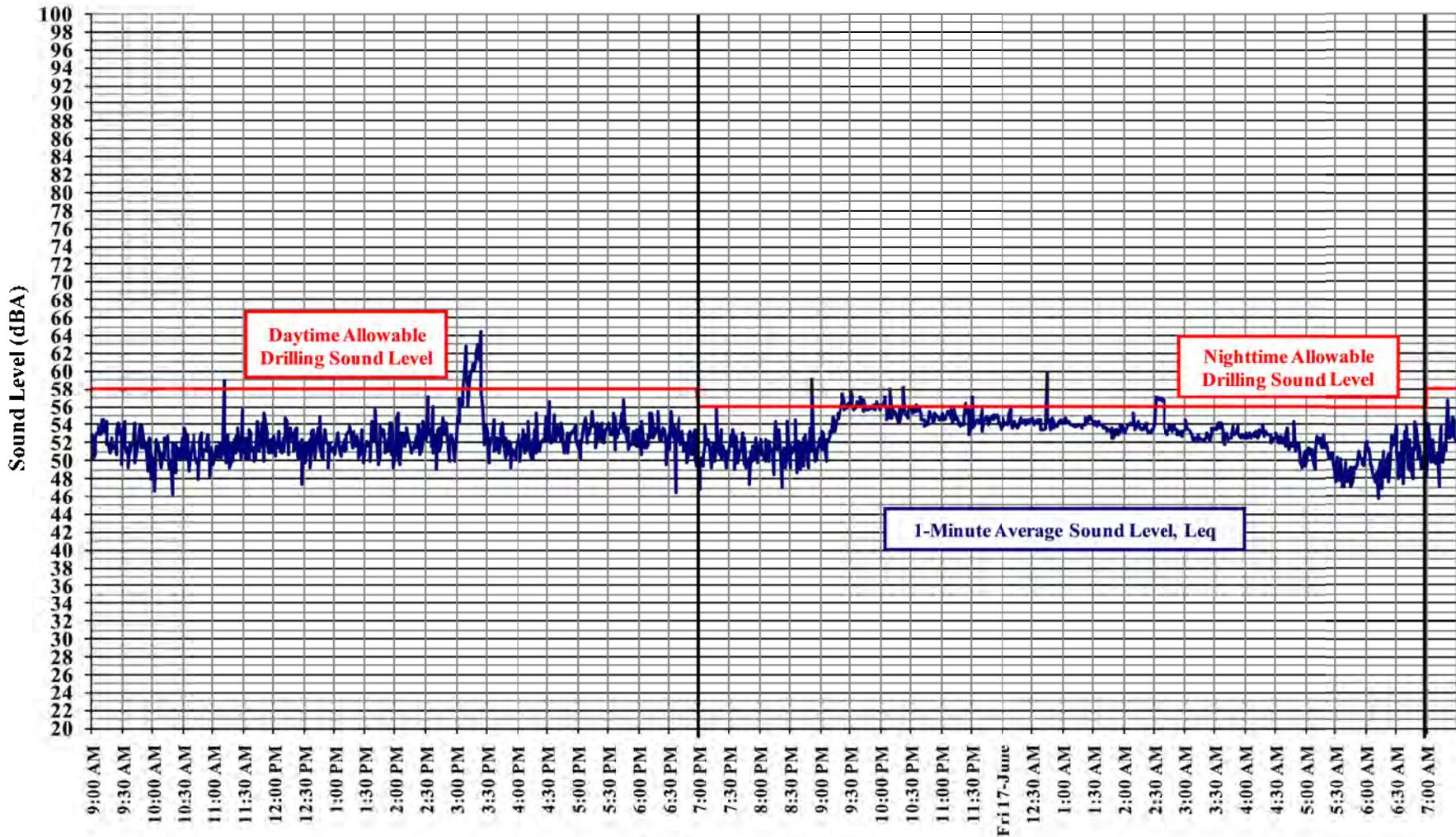
June 16 - June 17, 2011

# Behrens and Associates, Inc.

Environmental Noise Control



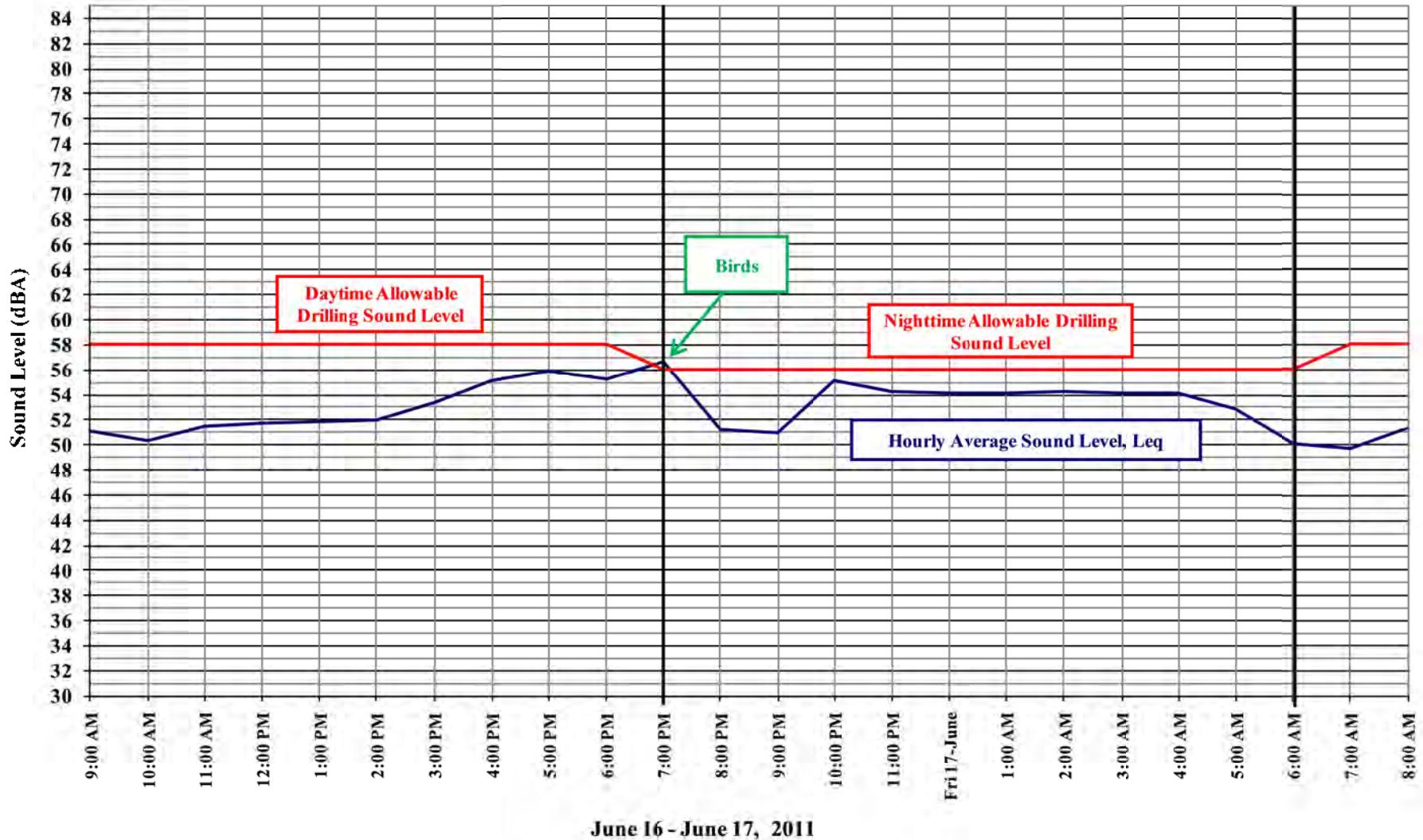
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 16 - June 17, 2011

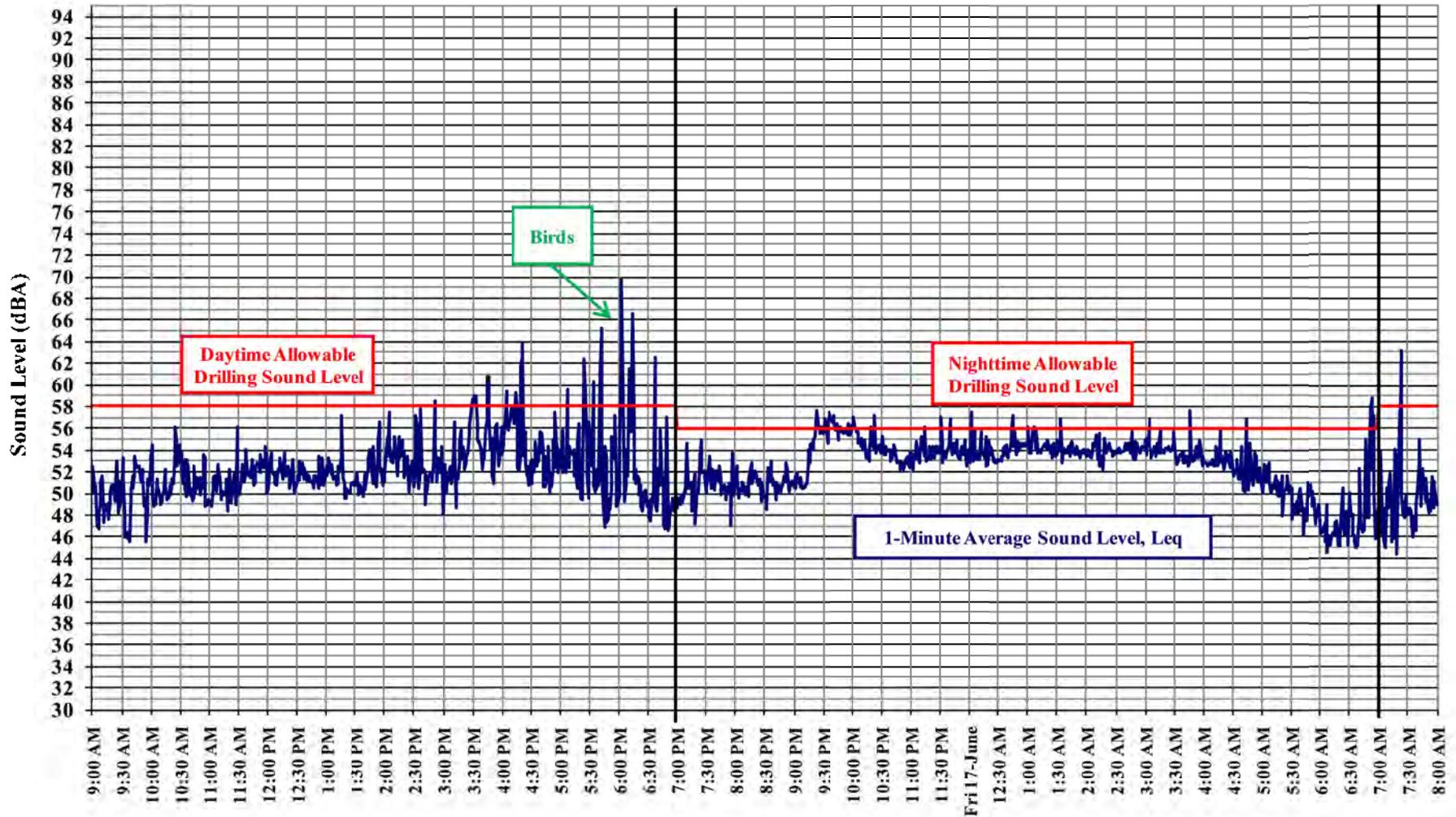


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 16 - June 17, 2011

# **Behrens and Associates, Inc.**

*Environmental Noise Control*



June 18, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 17, to Saturday, June 18, 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.

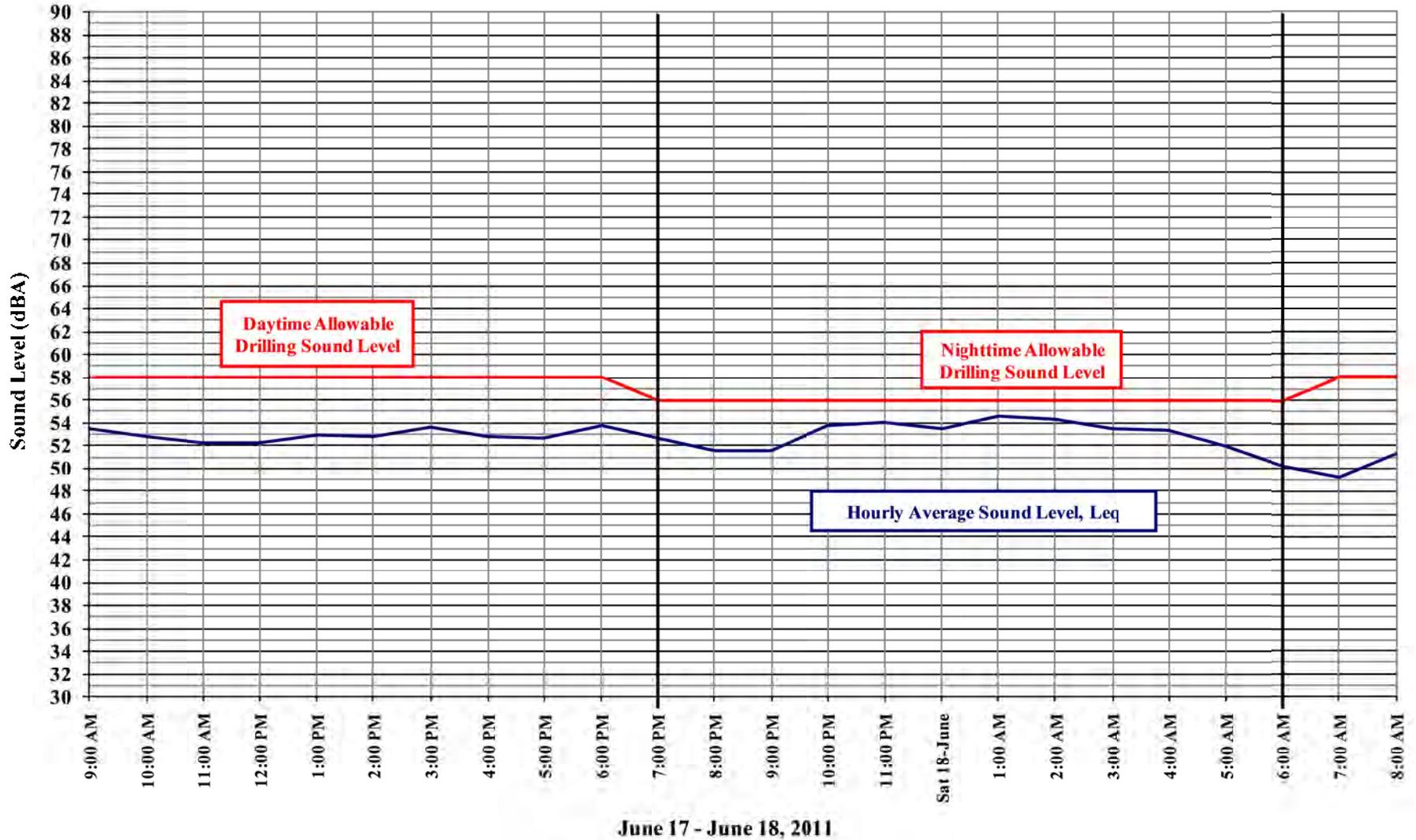
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments



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

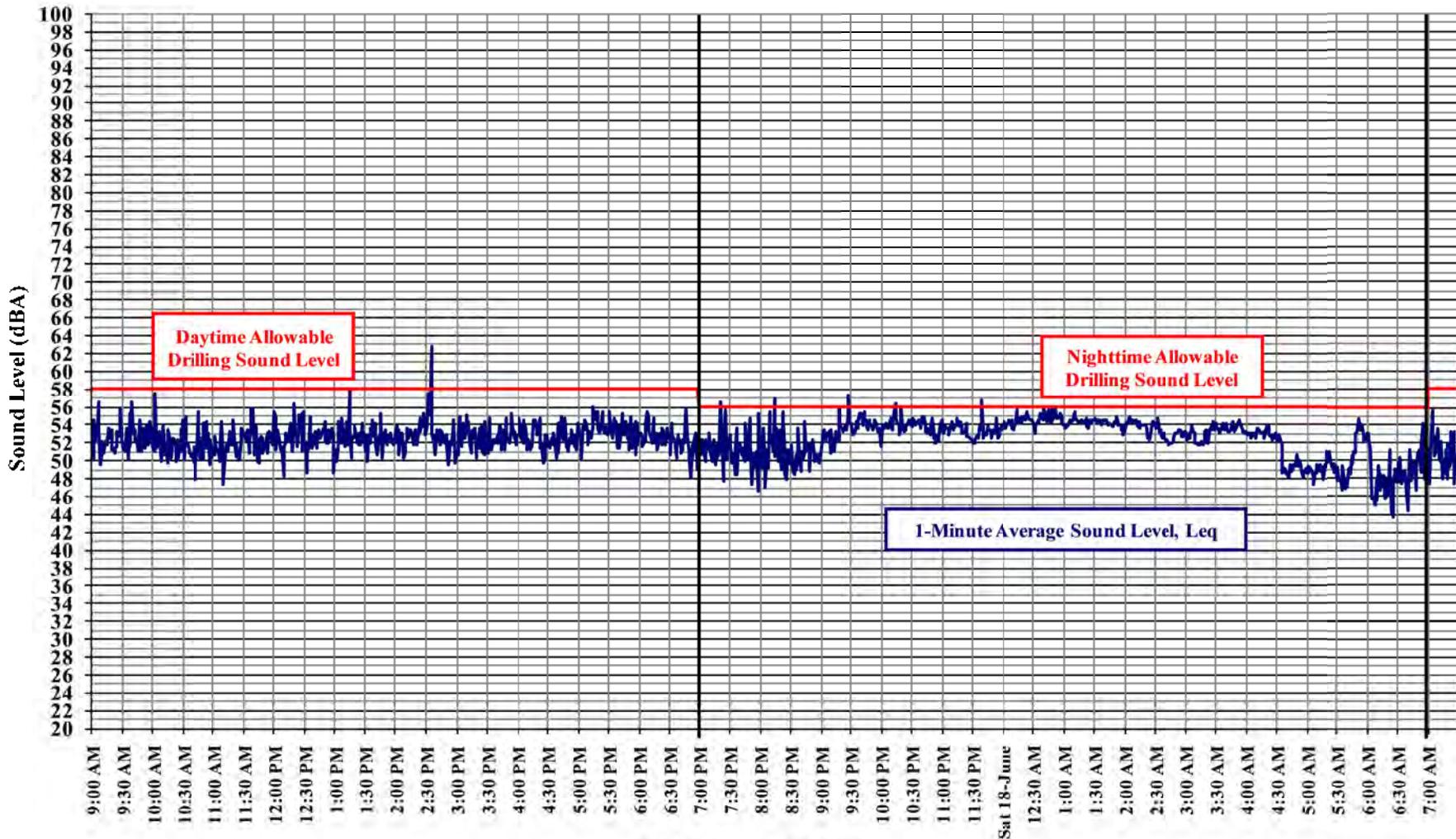


# Behrens and Associates, Inc.

Environmental Noise Control



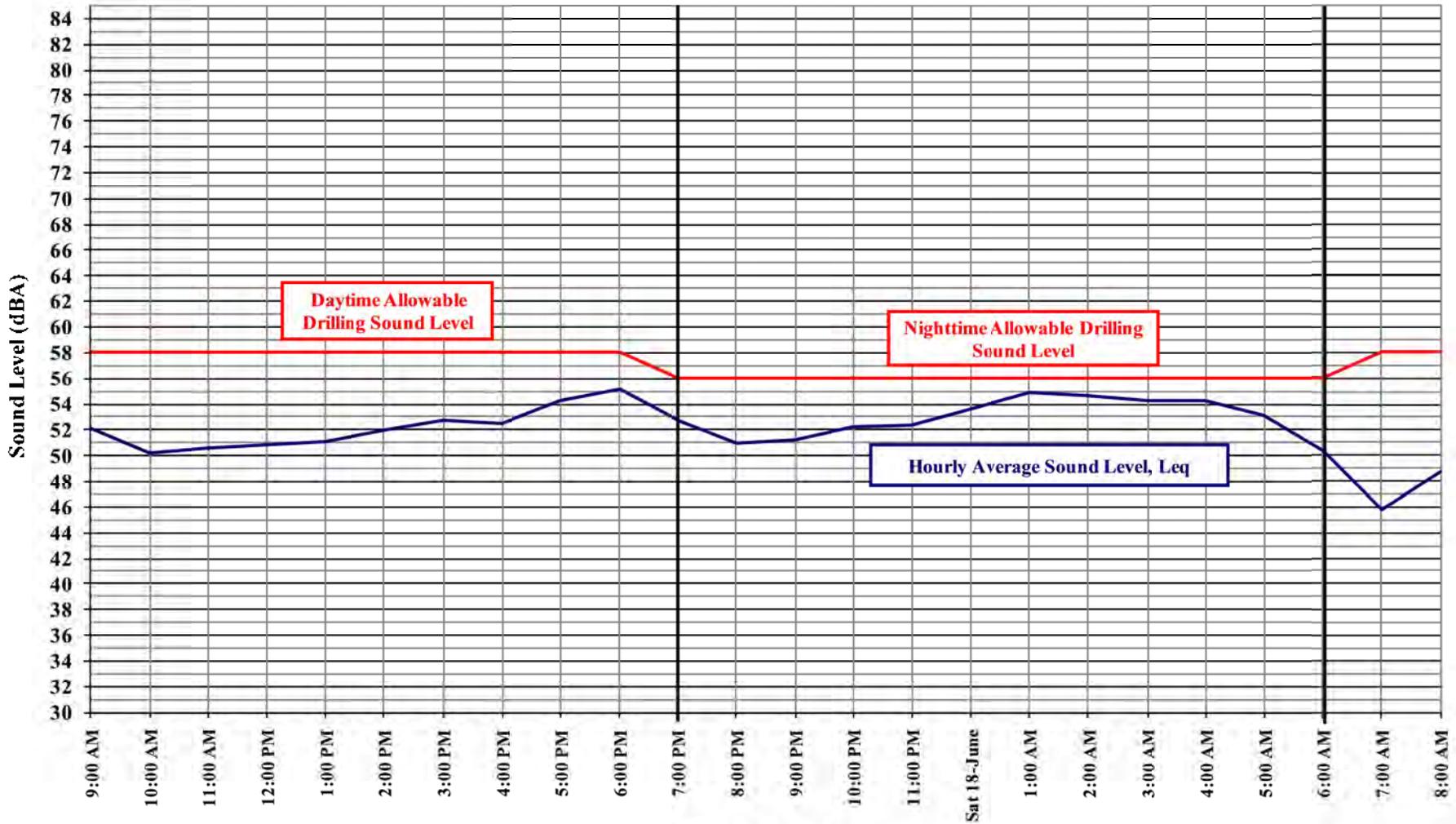
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 17 - June 18, 2011



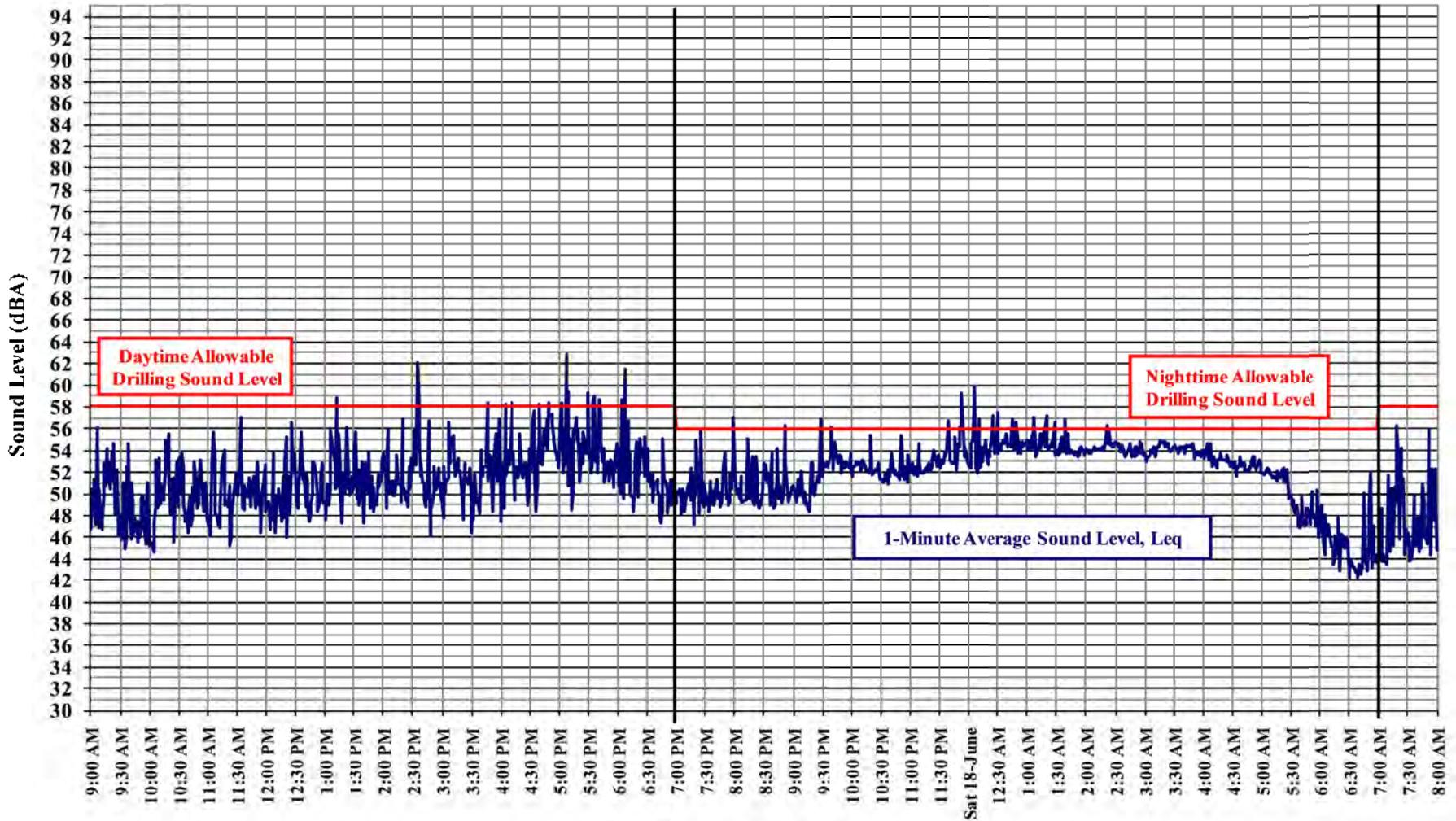
## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



June 17 - June 18, 2011



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



June 17 - June 18, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 19, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 18, to Sunday, June 19, 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 from 6:30 AM – 7:00 AM on Sunday, June 19, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from high winds in the vicinity of 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.

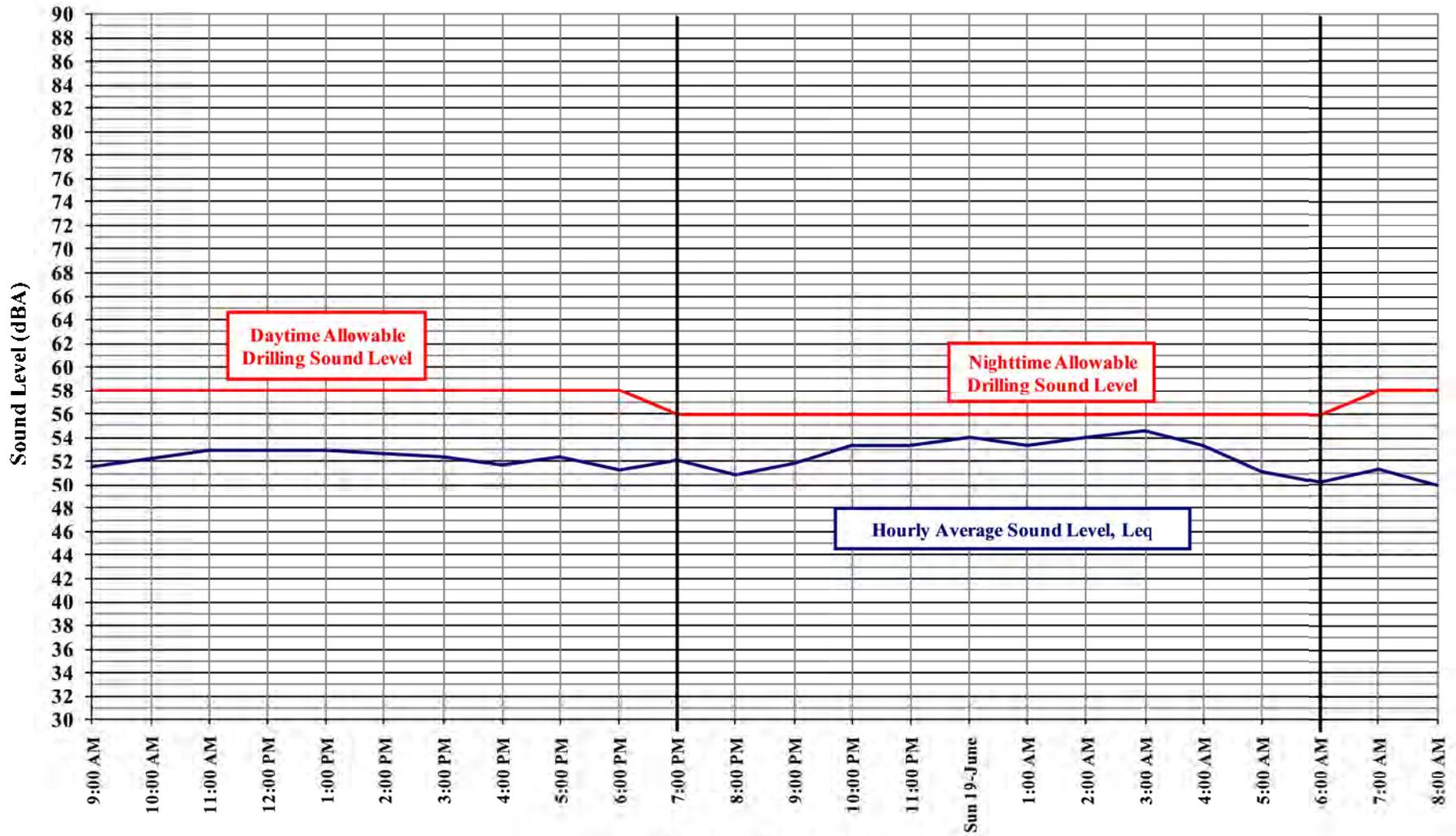
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Don Behrens  
President  
95-4460624

Attachments



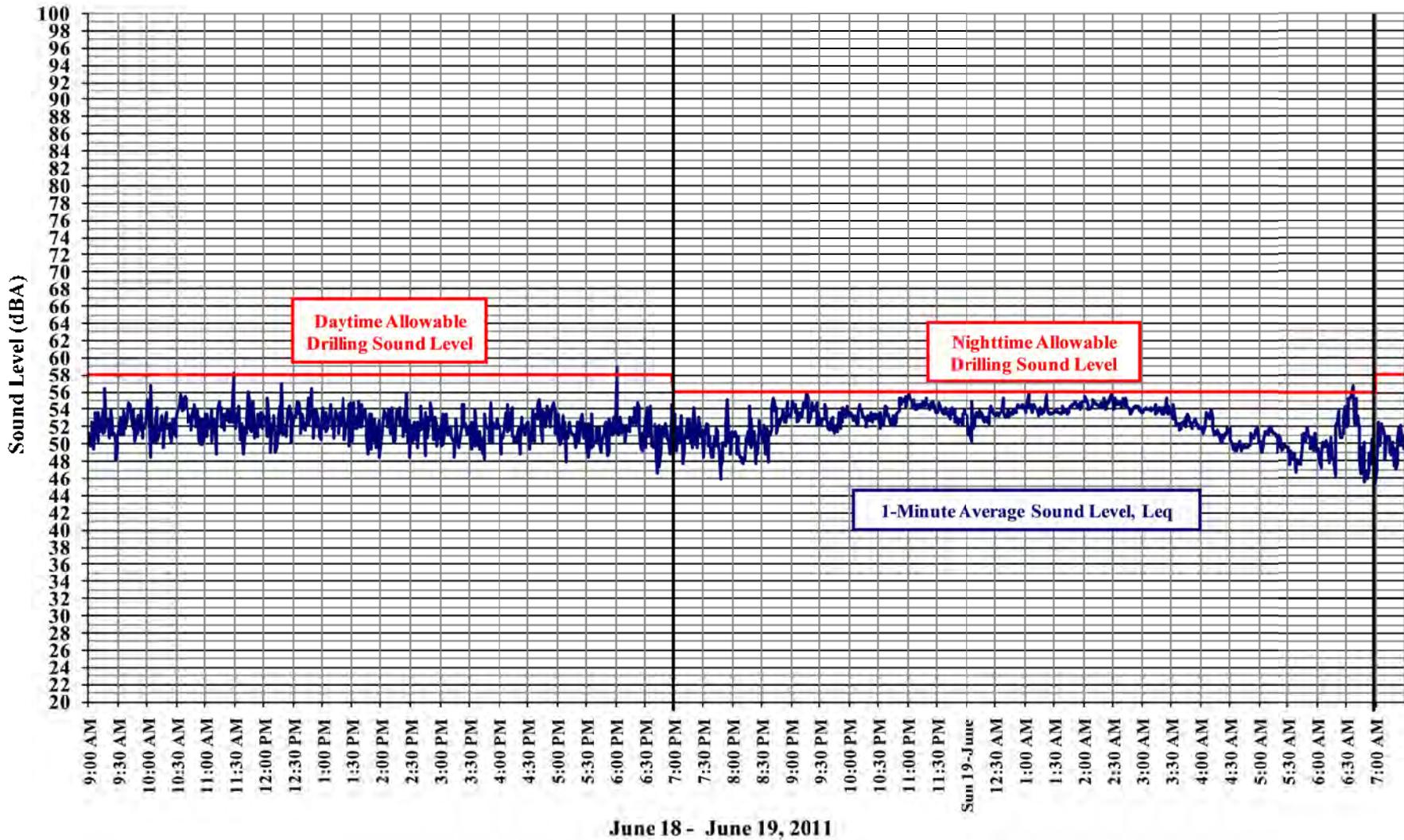
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 18 - June 19, 2011

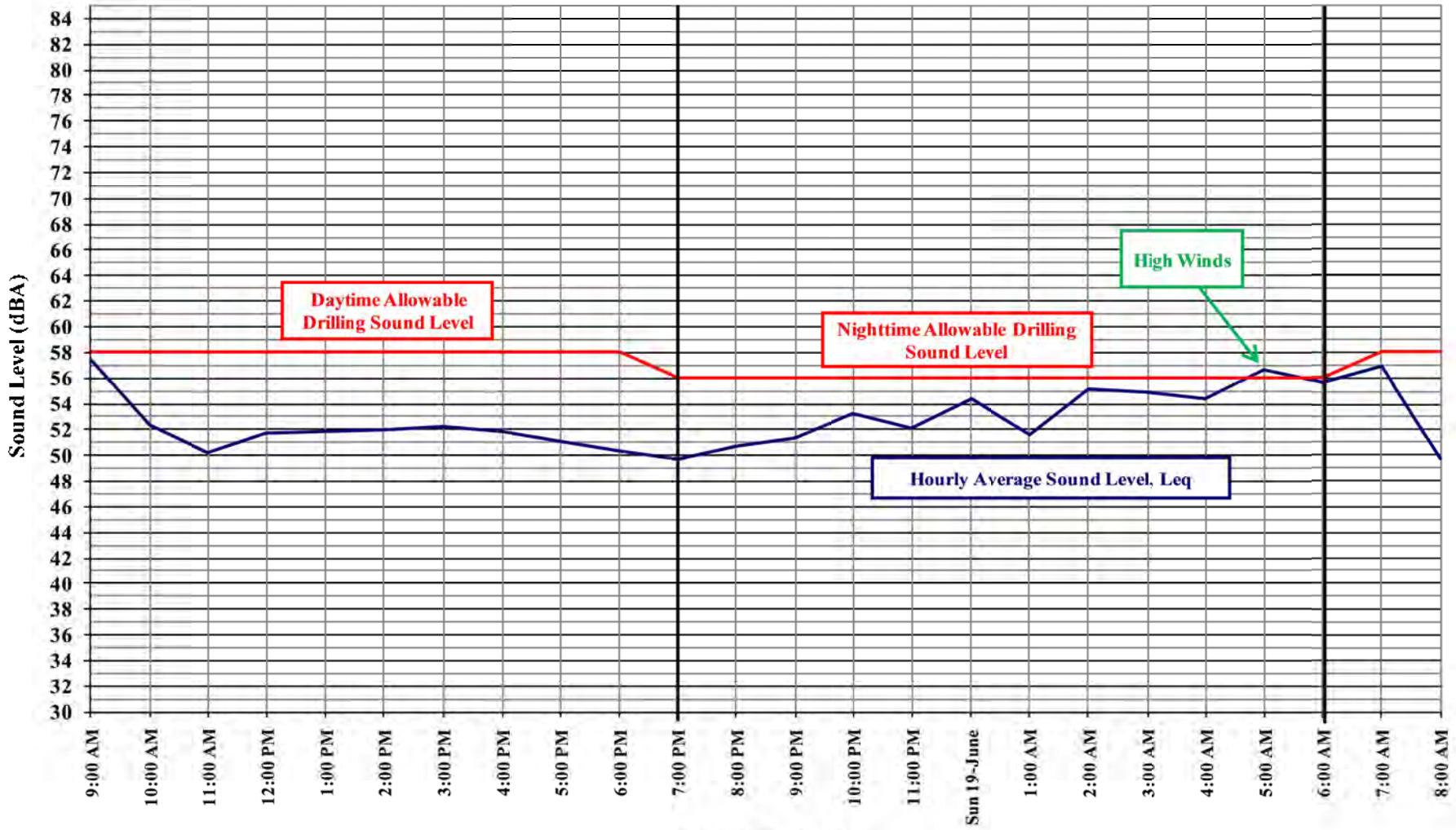


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





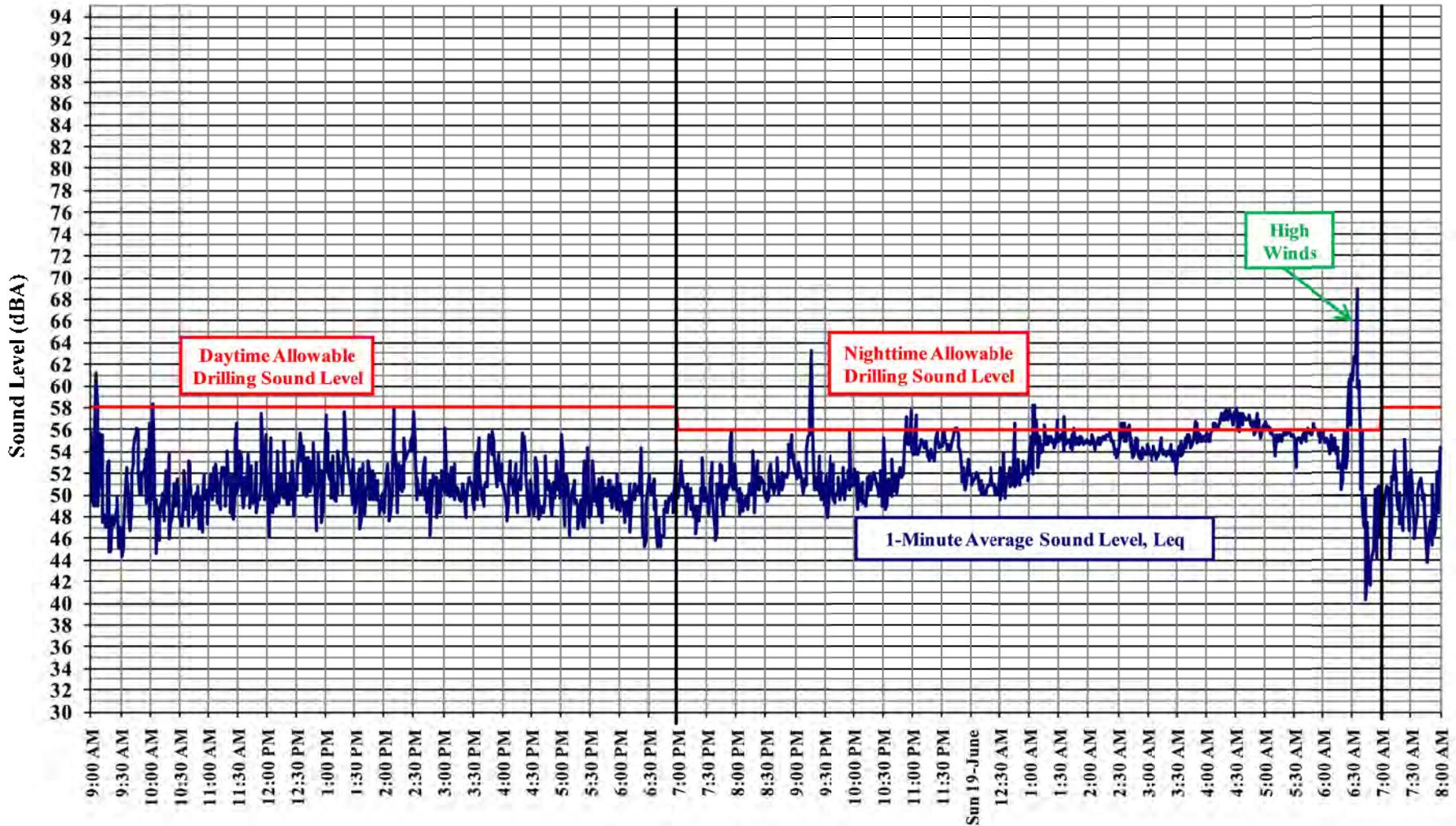
## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



June 18 - June 19, 2011



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



June 18 - June 19, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 20, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 19, to Monday, June 20, 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 from 9:00 AM – 9:30 AM on Sunday, June 19, 2011 in the vicinity of Monitoring Location #1 due to off-site noise from air traffic and from 12:00 AM – 5:00 AM on Monday, June 20, 2011 in the vicinity of Monitoring Location #2 due to off-site noise from high winds and crickets. The second and fourth attached charts displays the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

Very truly yours,

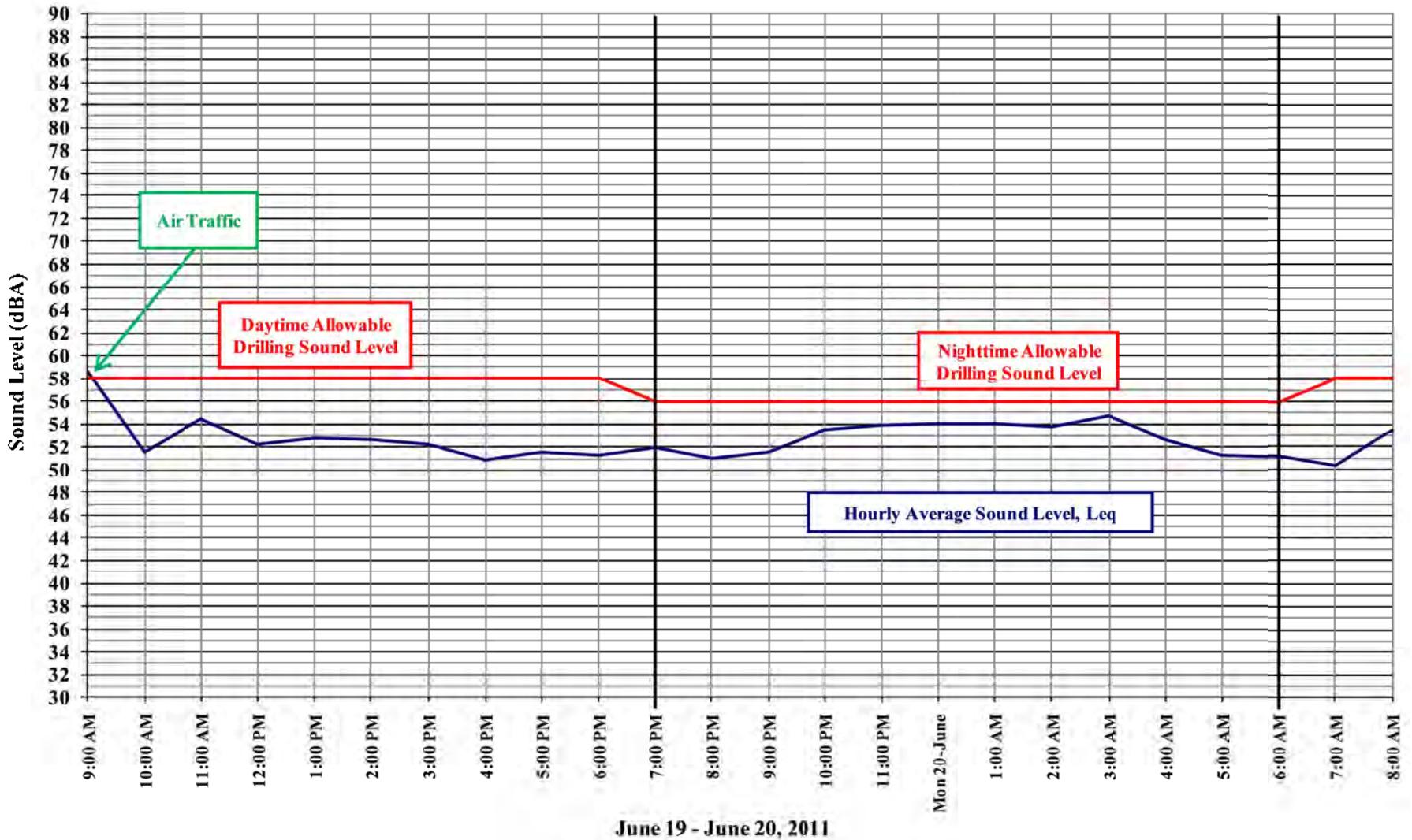
Don Behrens  
President  
95-4460624

## Attachments

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 16<sup>th</sup> Street, Suite 400, Denver, Colorado 80202 ~ Telephone: 303-618-5322  
[www.environmental-noise-control.com](http://www.environmental-noise-control.com)



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

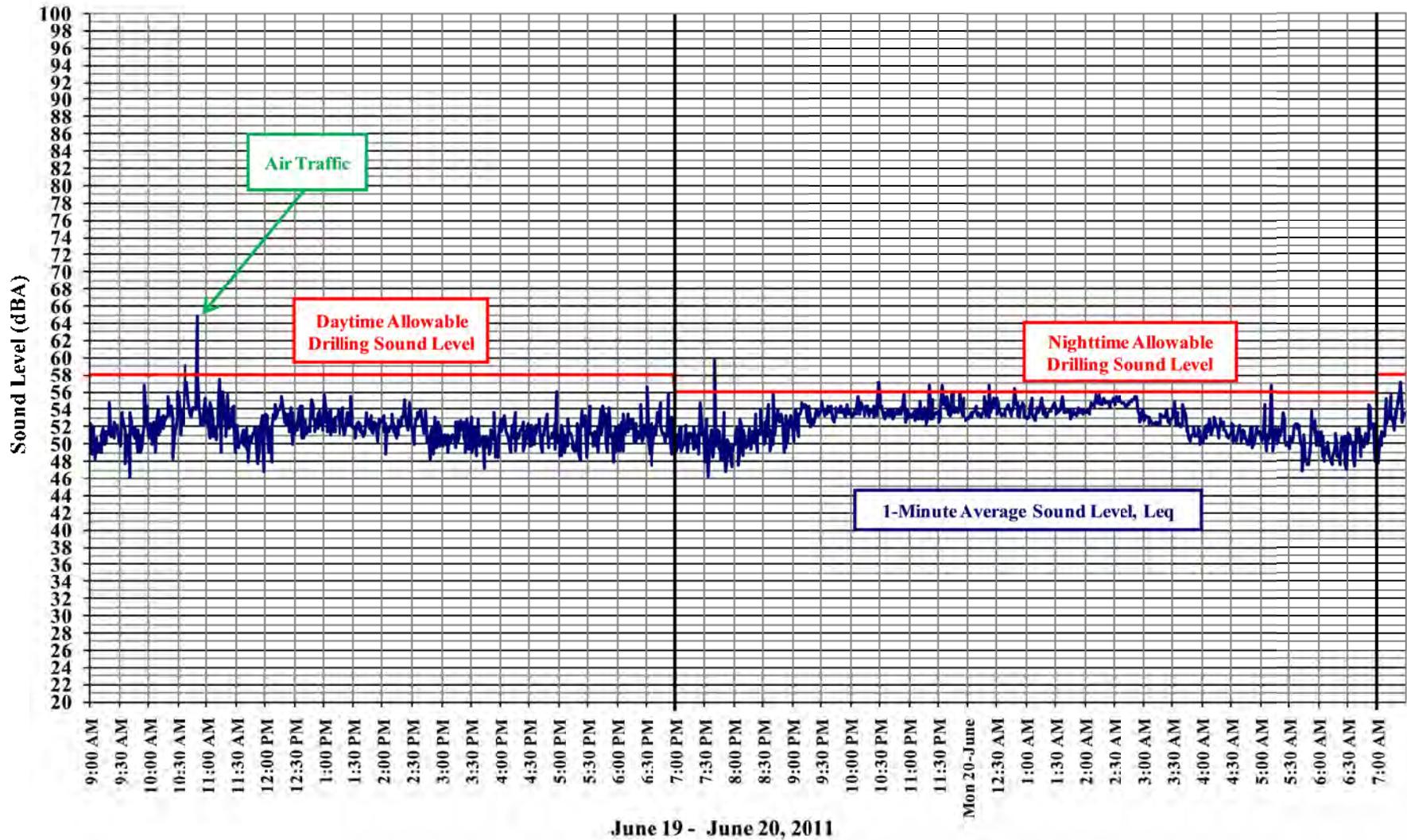


# Behrens and Associates, Inc.

Environmental Noise Control

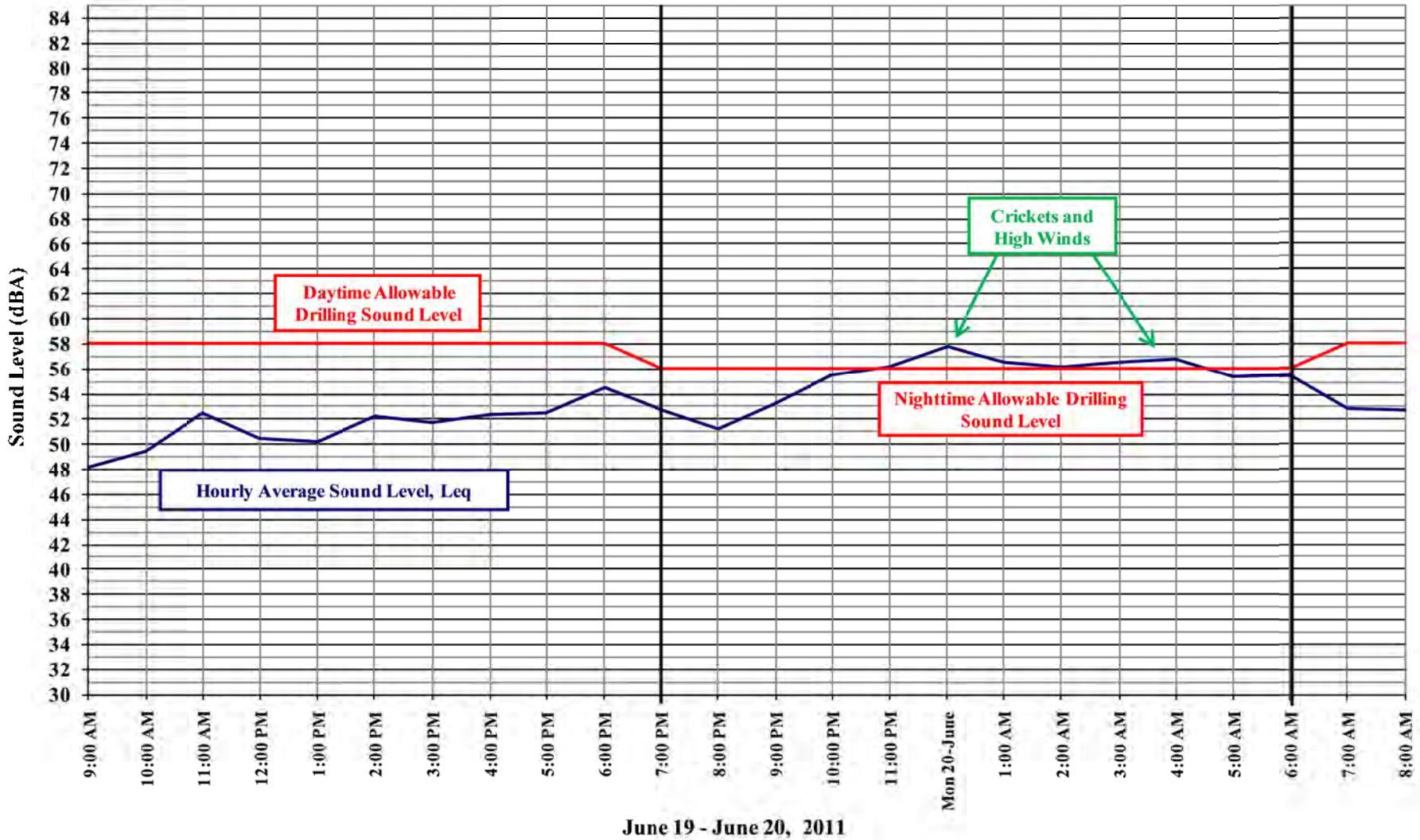


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



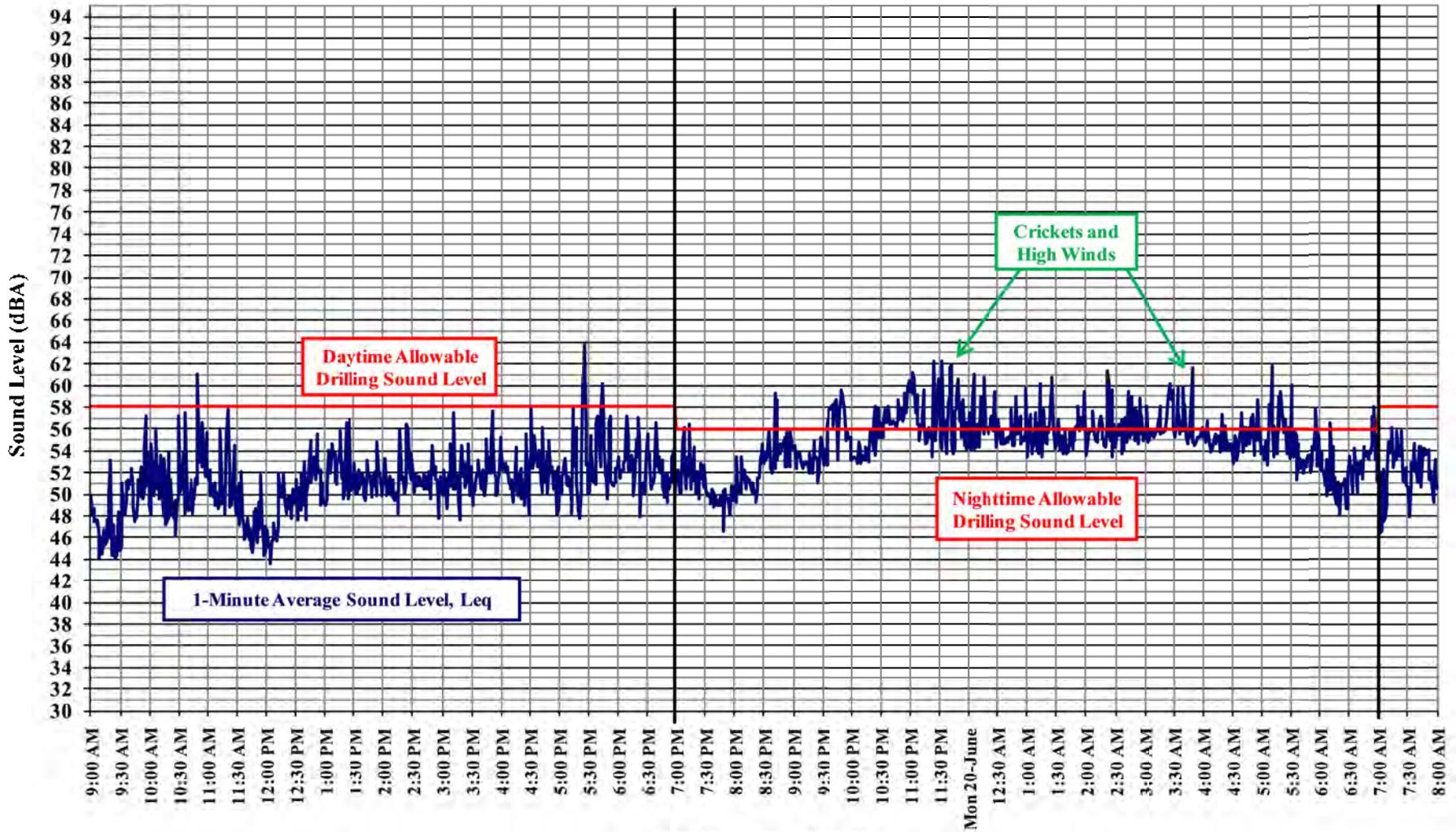


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 19 - June 20, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 21, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 20, to Tuesday, June 21, 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 lawn maintenance and heavy thunderstorms at Monitoring Location #1 and heavy thunderstorms 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,

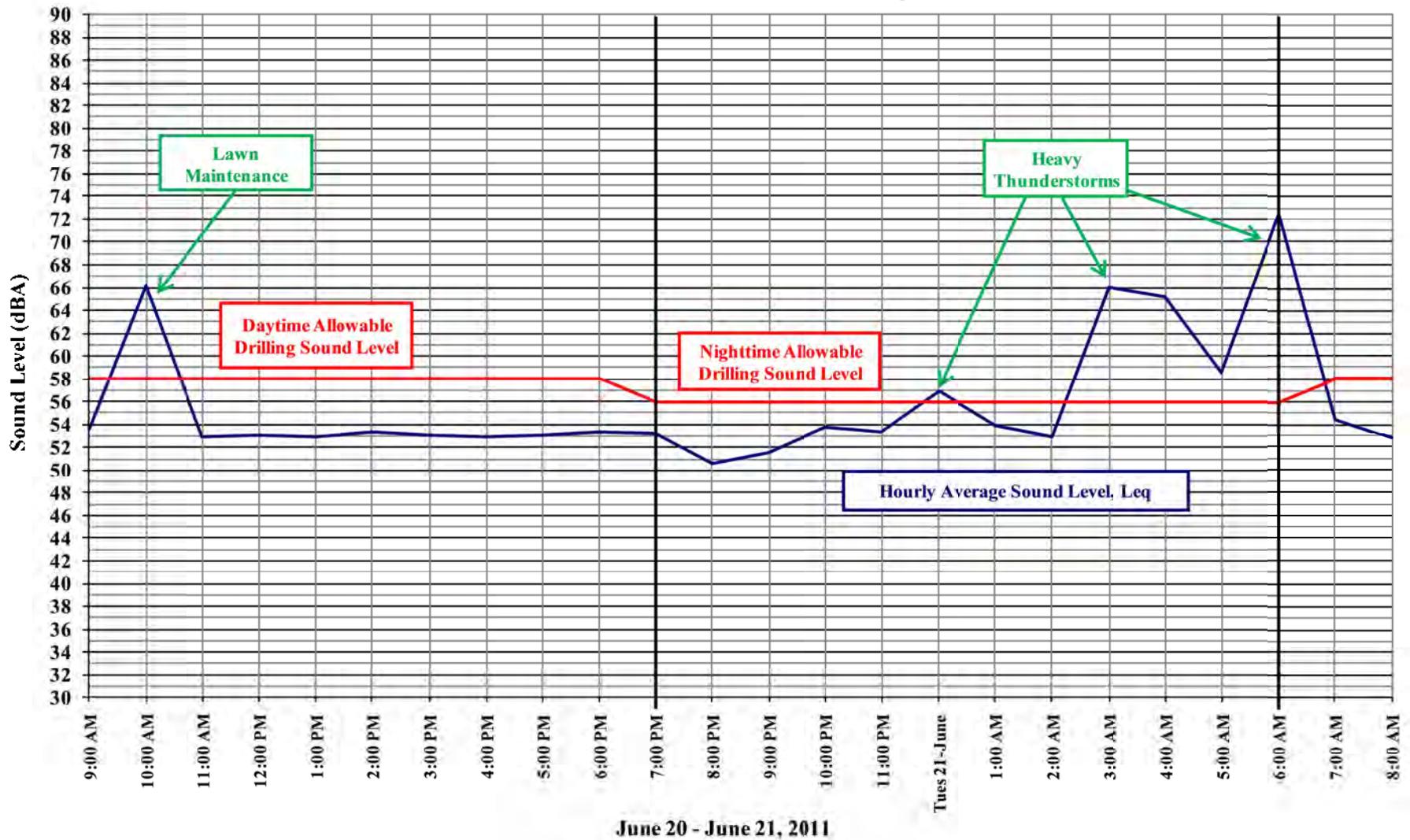
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President  
95-4460624

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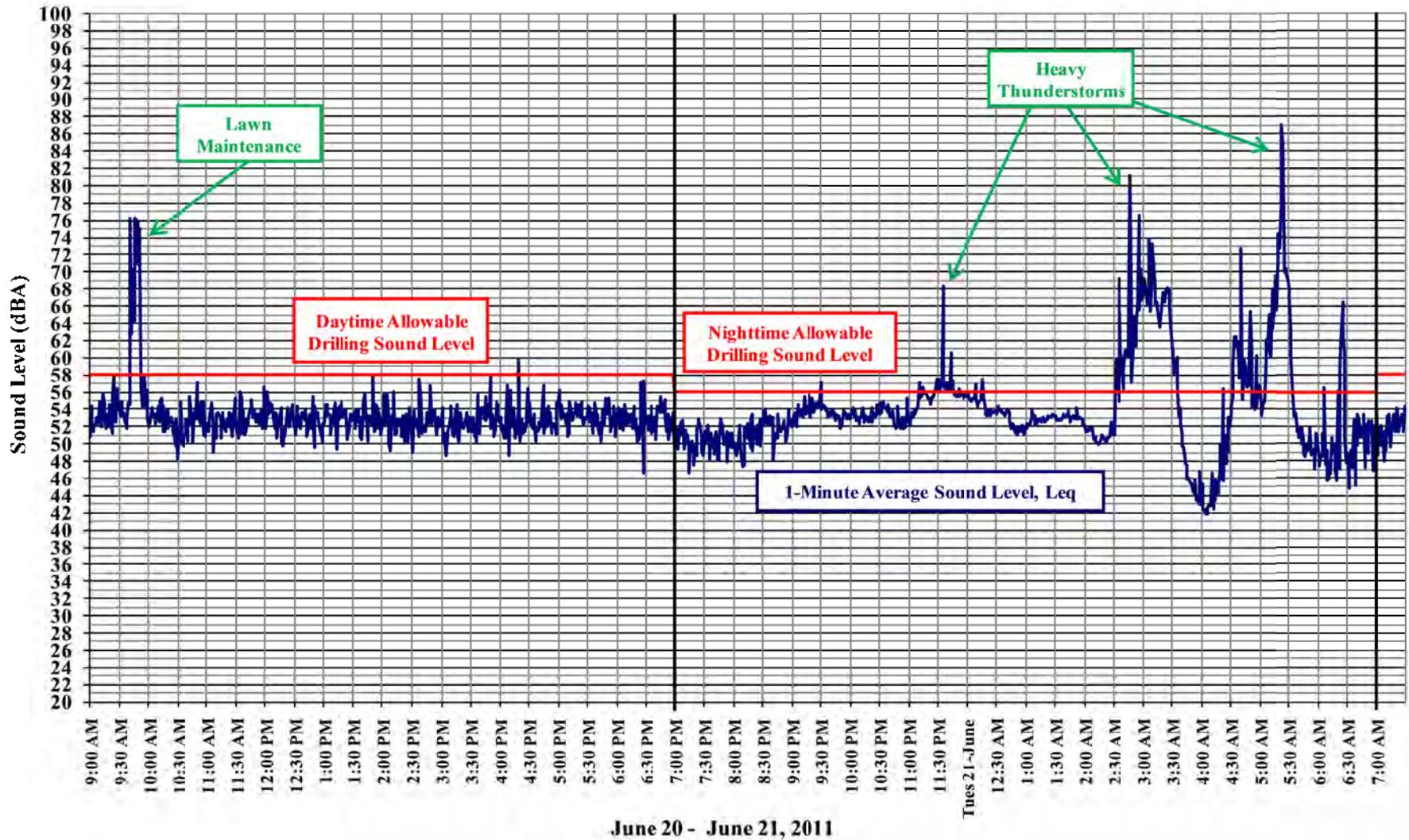


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



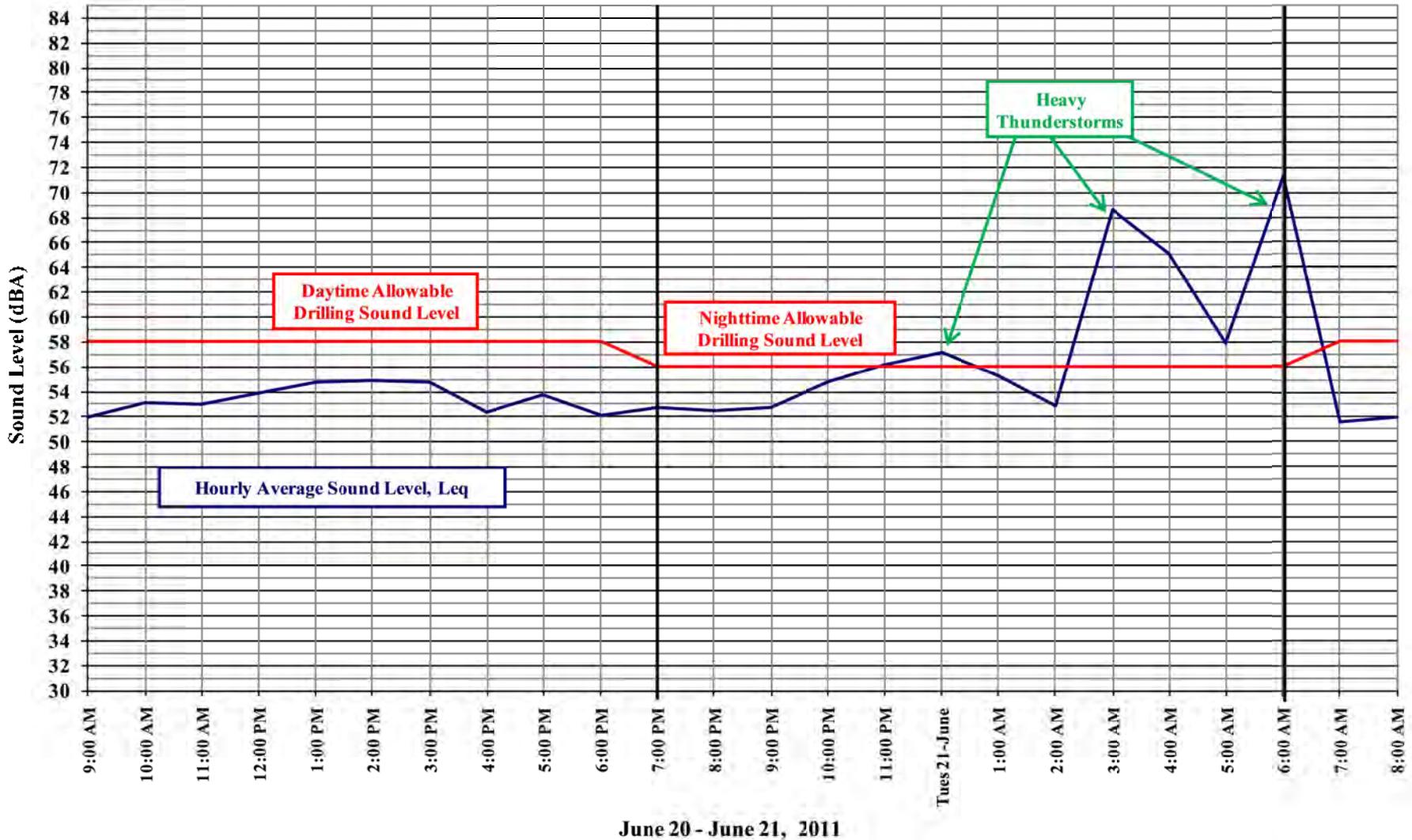


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



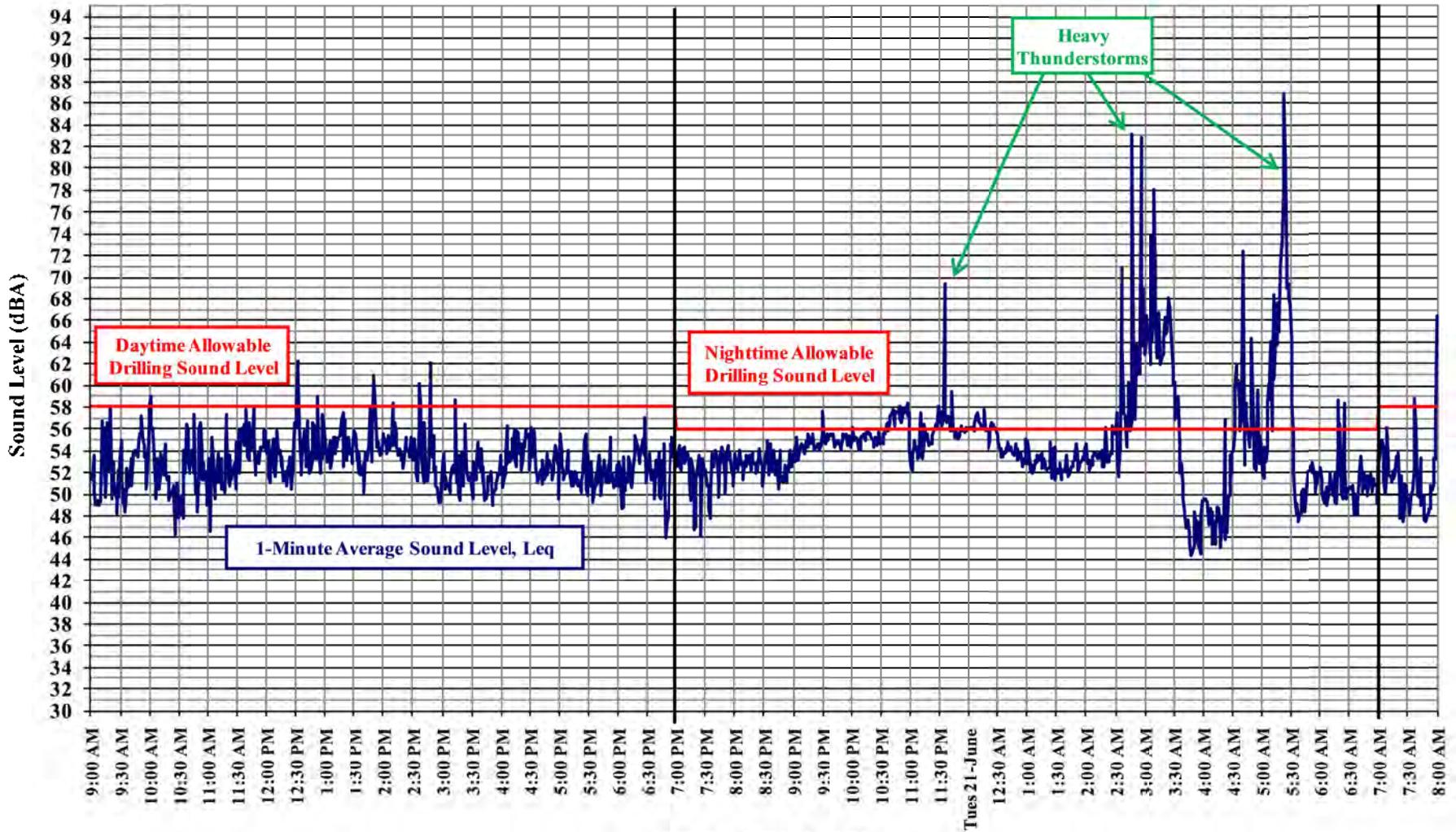


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 20 - June 21, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 22, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 21, to Wednesday, June 22, 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 heavy thunderstorms at Monitoring Location #1 and birds, air traffic, and heavy thunderstorms 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,

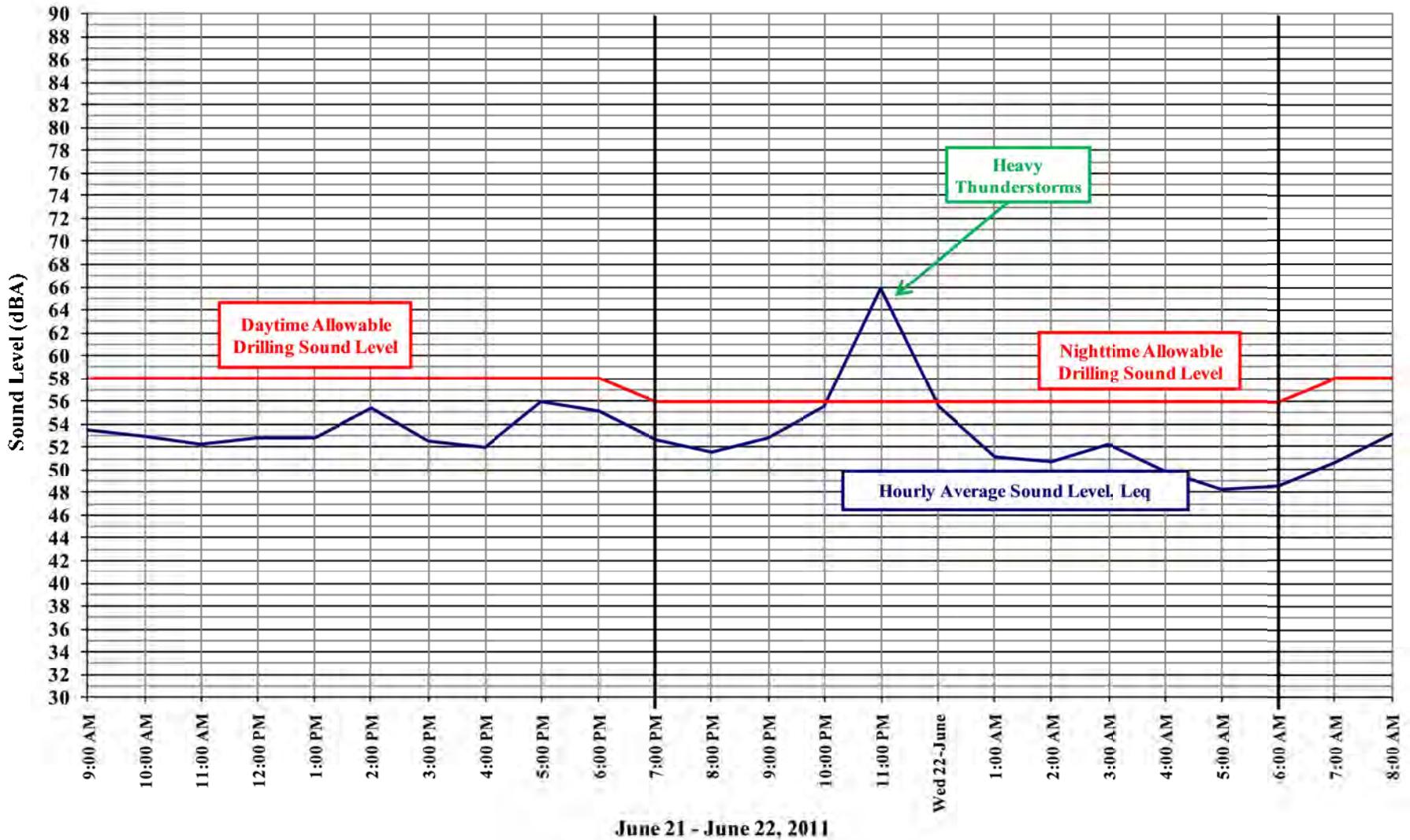
Don Behrens  
President  
95-4460624

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[www.environmental-noise-control.com](http://www.environmental-noise-control.com)

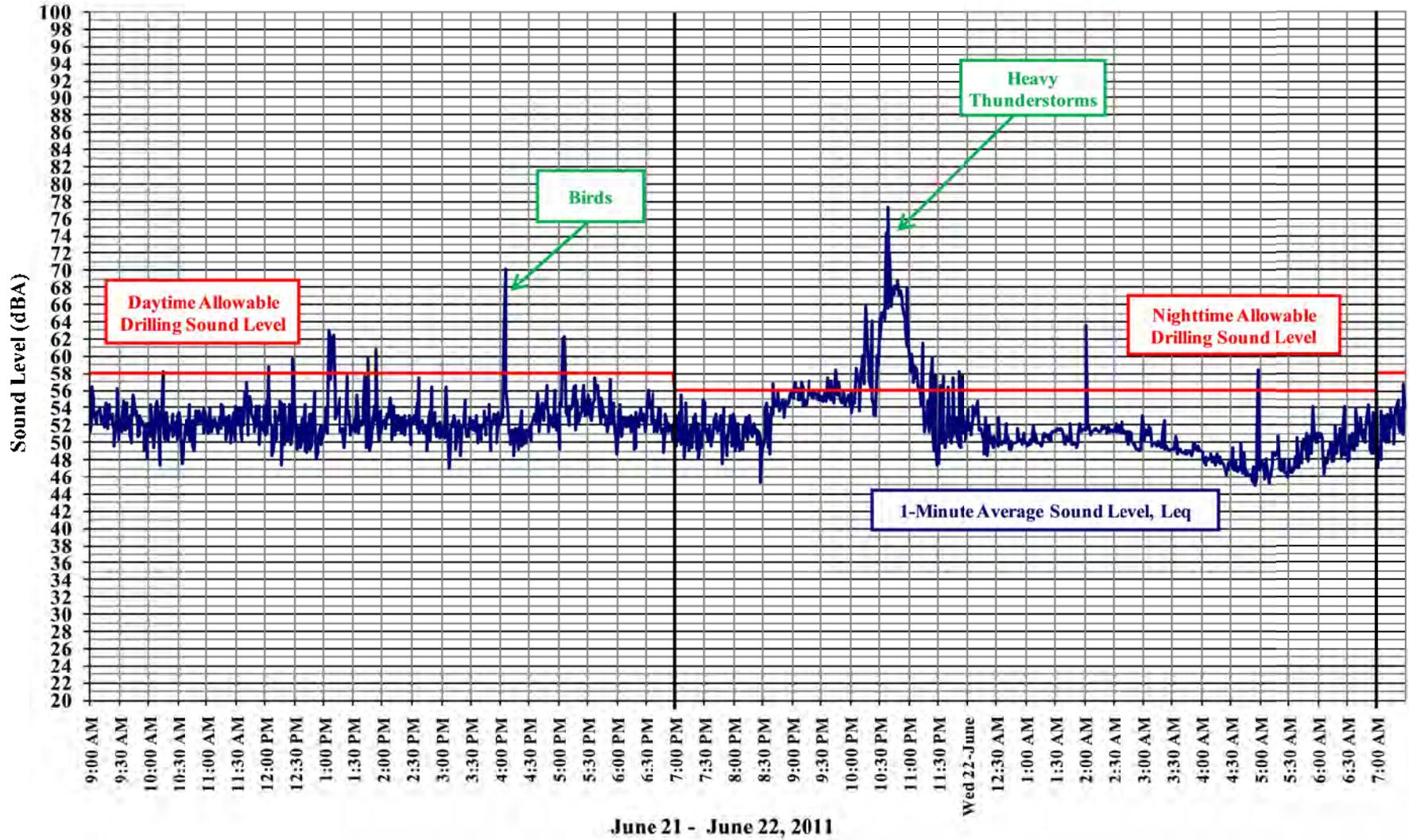


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



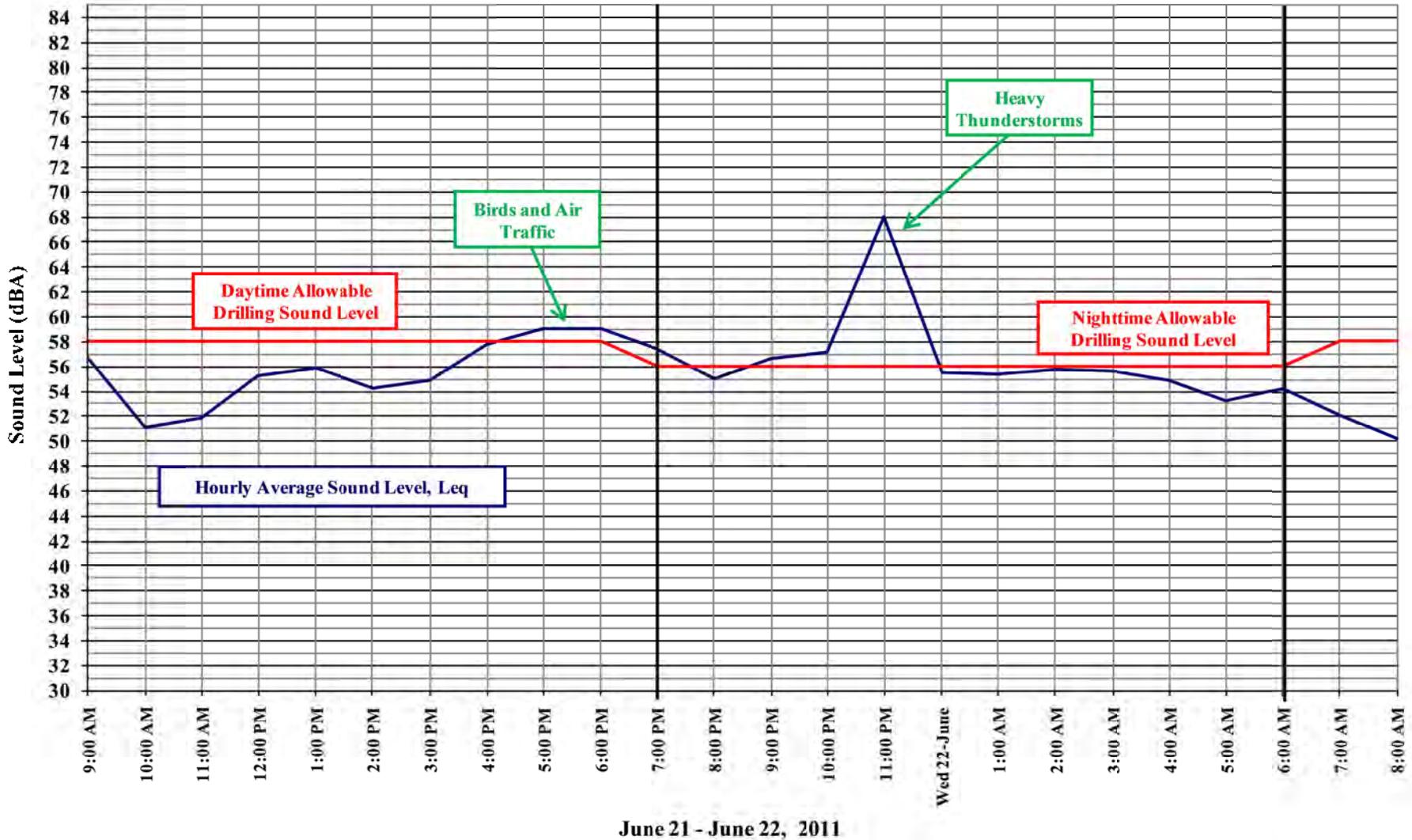


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



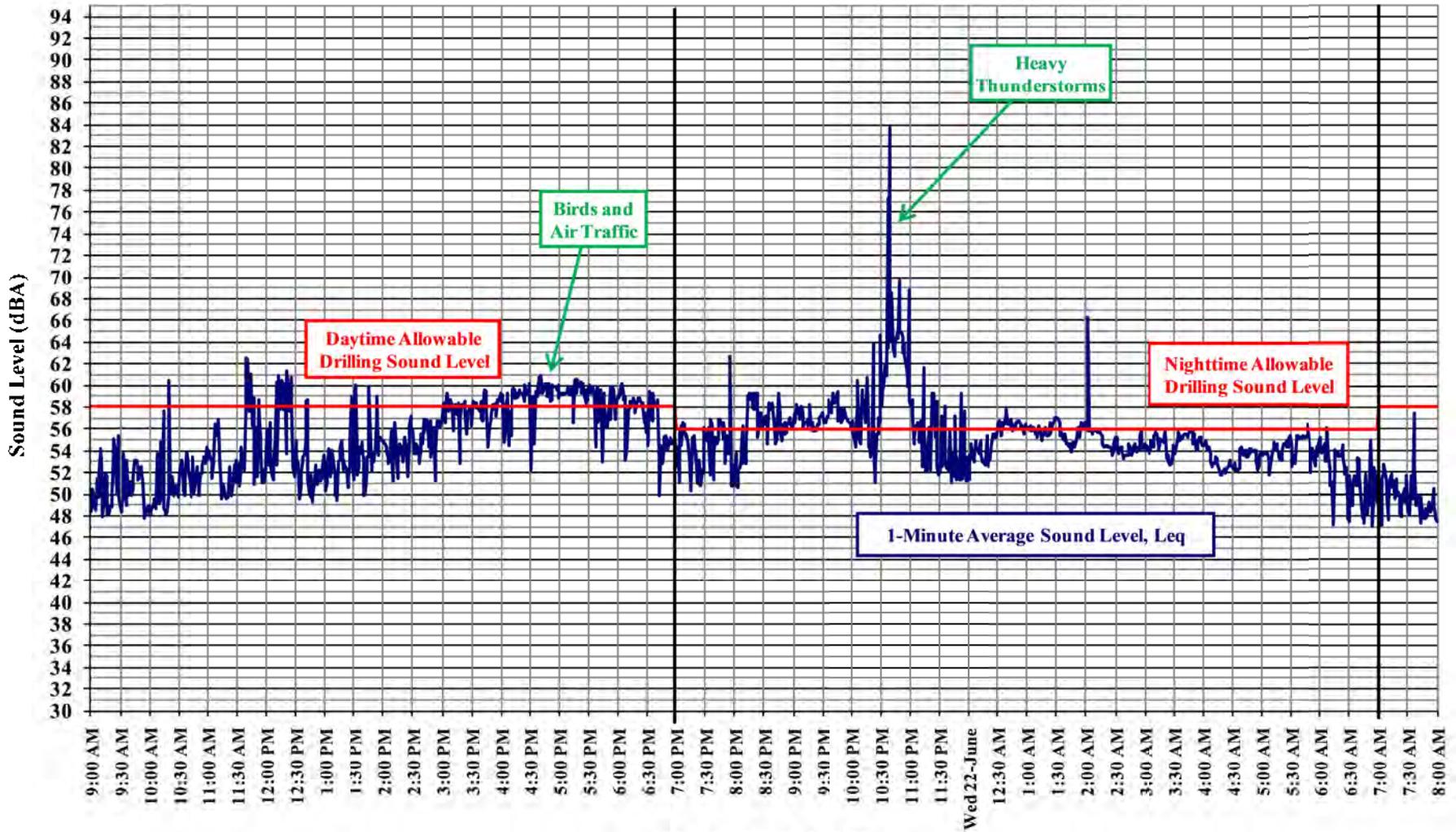


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 21 - June 22, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 23, 2011

Titan Operating, LLC  
111 West 4<sup>th</sup> 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, June 22, to Thursday, June 23, 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 heavy crickets at Monitoring Location #1 and 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.

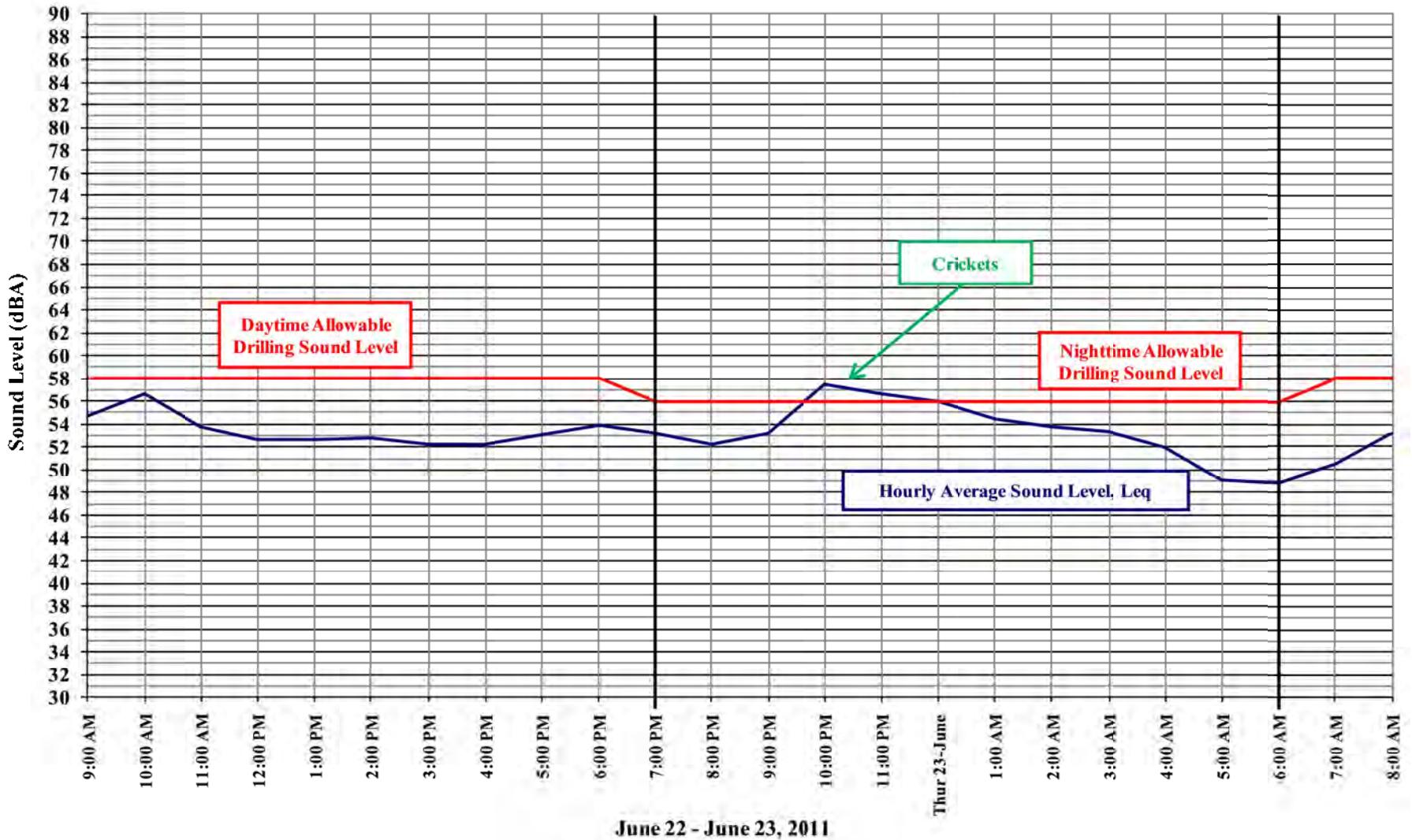
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments



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

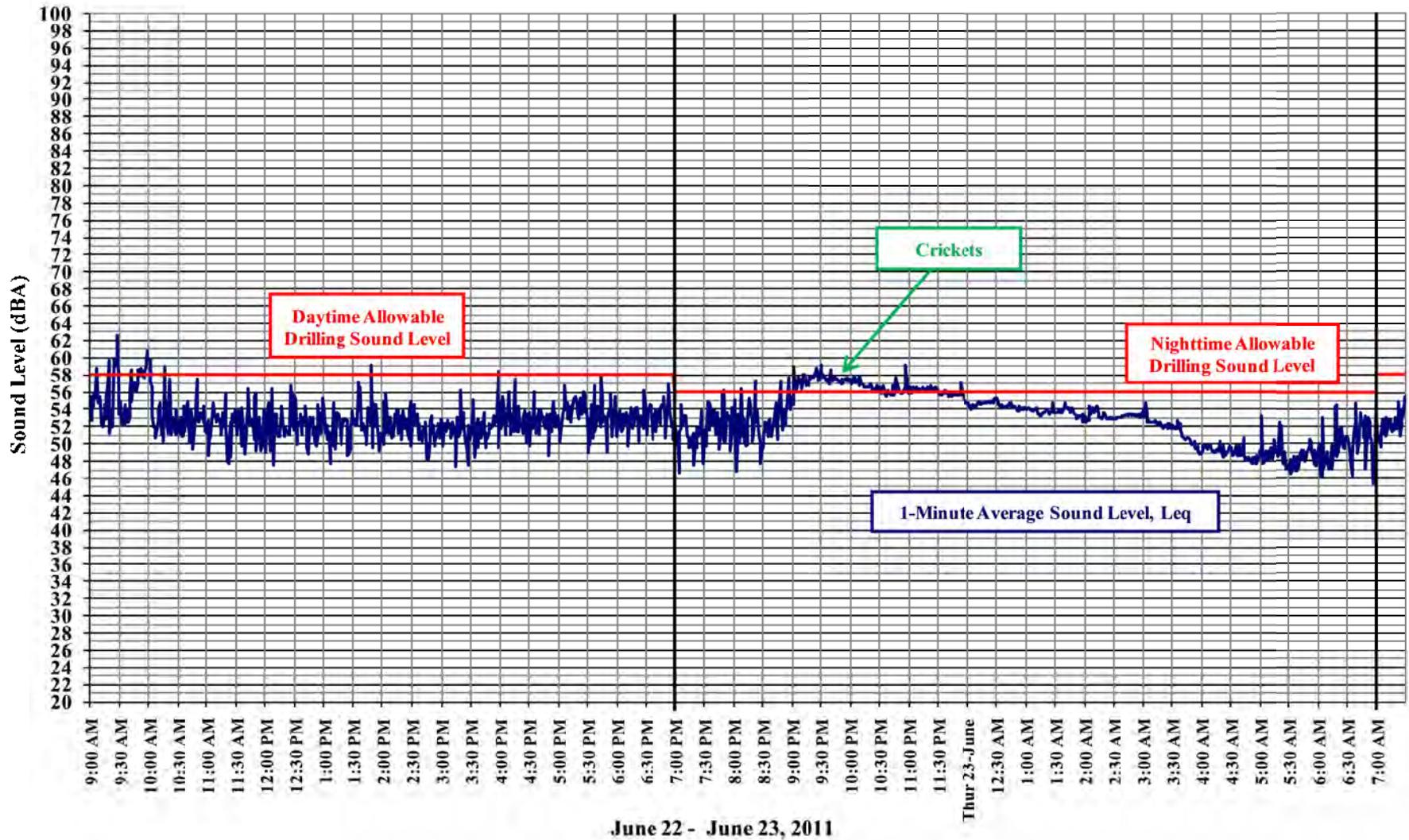


# Behrens and Associates, Inc.

Environmental Noise Control

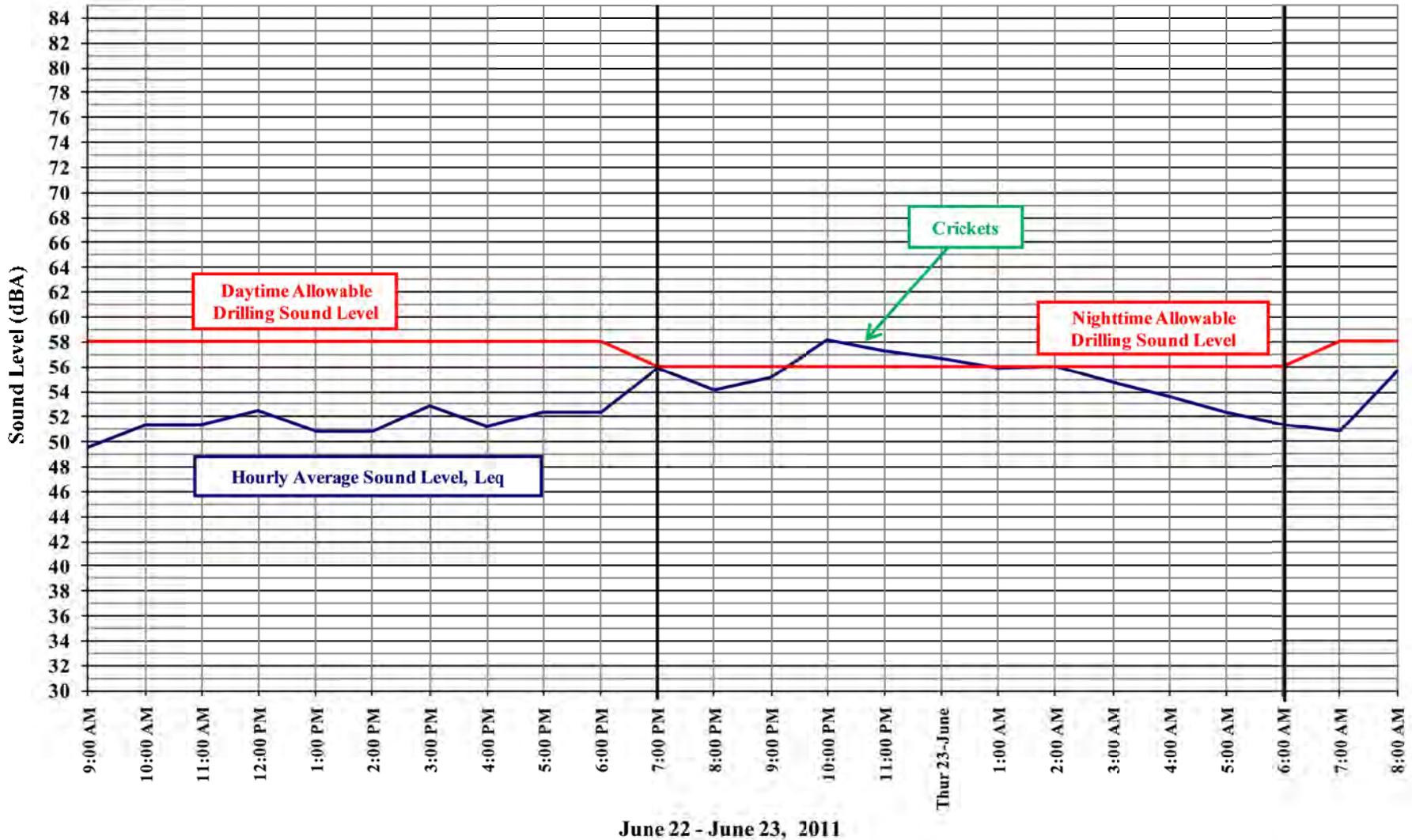


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





## 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**

