

# 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 8 – June 14, 2011

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

## General Comments:

Installation and cementing of the “I” well will be complete in a day or two of this report.

Preparation for wells “H” and “J” have been completed.

The overall site condition this past week was good.

## Noise

During preparation of the “H” and “J” wells, banging and dragging of conductor casing and cellar pipe over the crushed stone pad surface was causing out of the ordinary noise at the site. Sound reports show no out of compliance sound levels during this time frame.

On 6/11, around 9 p.m., air traffic and birds caused sound levels to exceed allowable levels. Also, on 6/12, crickets, which commonly elevate evening sound levels, created sound levels exceeding the allowable levels. During this past week, evening sound levels have consistently shown these elevated readings due to crickets. Katydid are another source of elevated evening sound levels.

## Environmental

Deliveries of supplies during the week were recorded and verified with the MSDS documents on file.

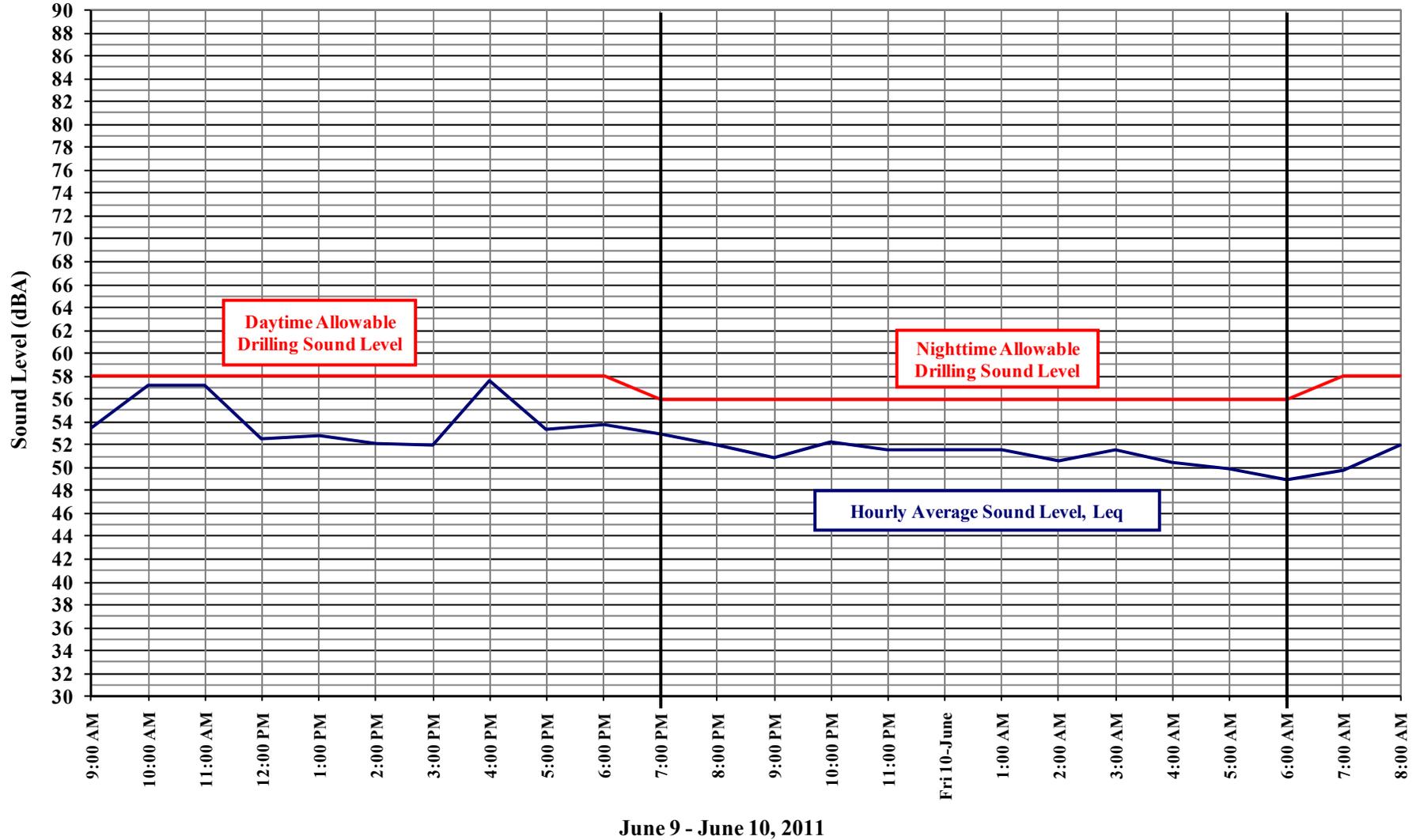
Hydrated lime was spread around the drilling mud tanks and pumps to help absorb moisture mostly from washing trucks as they leave the site.

## Site Conditions

Minor grading work within the pad site was done to improve the drainage and to fill ruts caused by truck traffic along the edge of the entrance drive. The site has been kept free of debris, pools of water, drilling mud, trash, and other waste materials. Dry weather conditions have been helping keep moisture in check from daily power-washing of equipment and other cleaning activities.

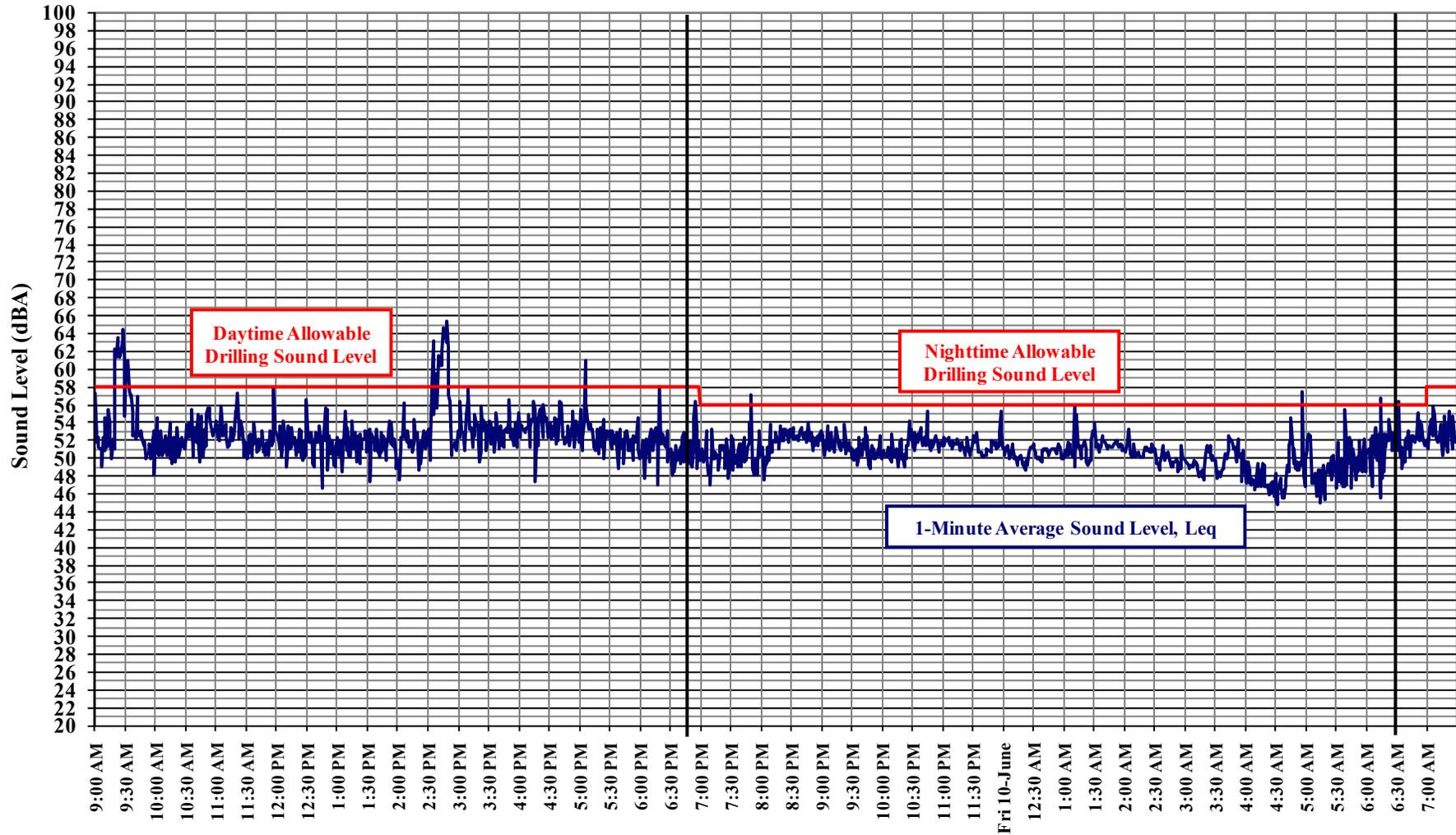


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





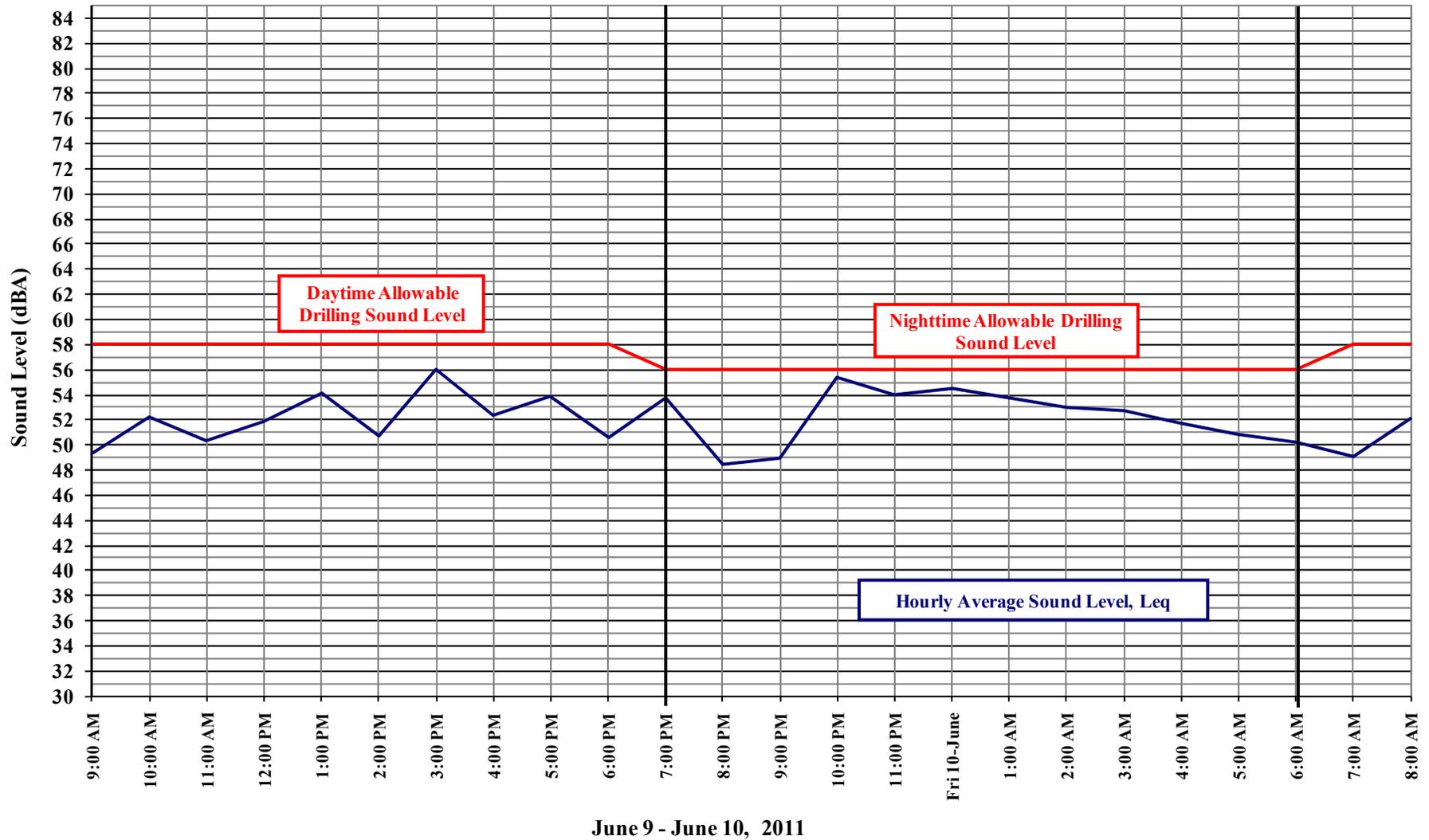
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 9 - June 10, 2011

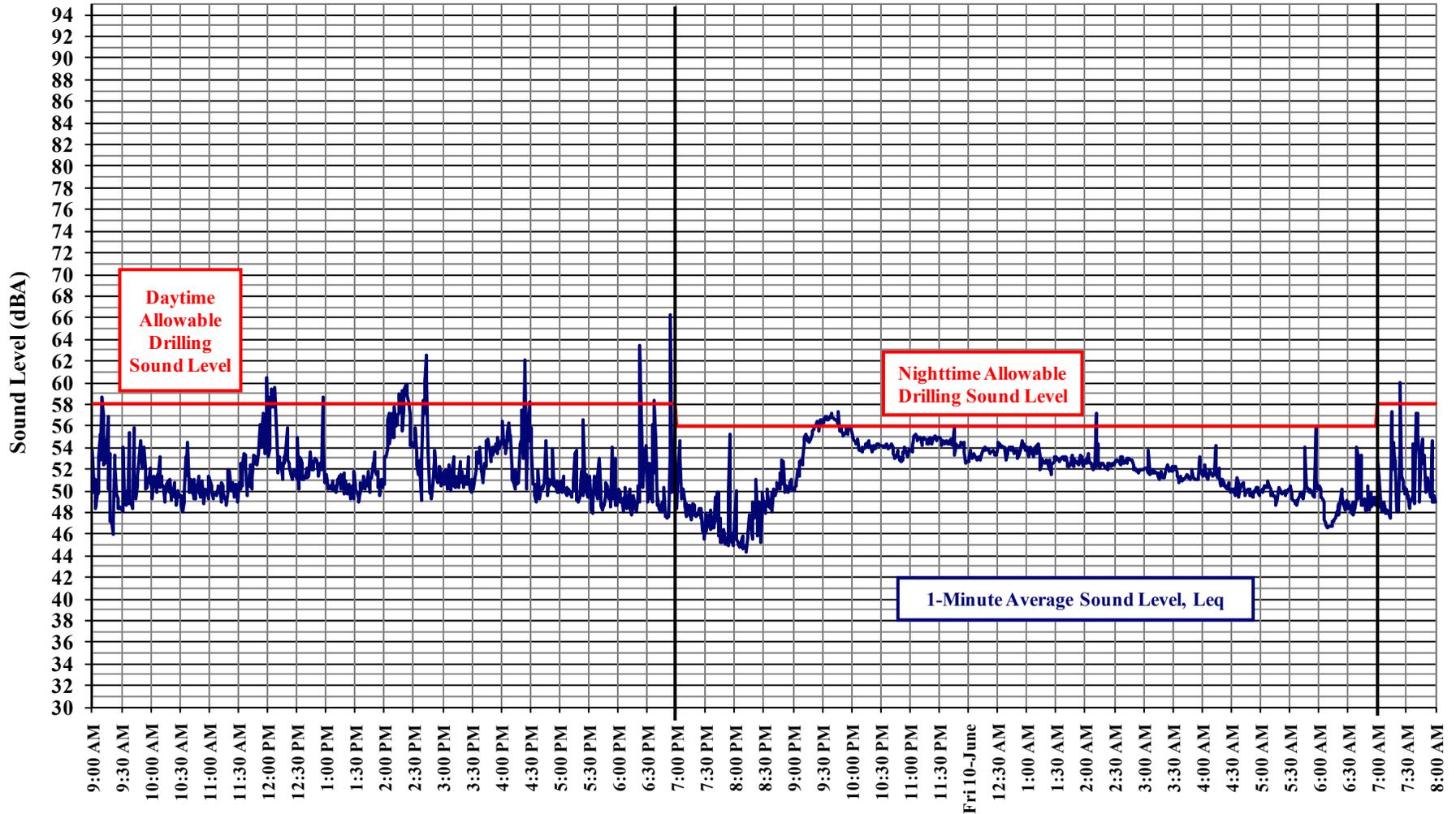


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 9 - June 10, 2011

# **Behrens and Associates, Inc.**

*Environmental Noise Control*



June 11, 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 10, to Saturday, June 11, 2011. The charts display the measured hourly average sound levels and the 1-minute average (Leq) sound levels at Monitoring Location #2, (west of drill site).

Please contact me if you have any questions or comments.

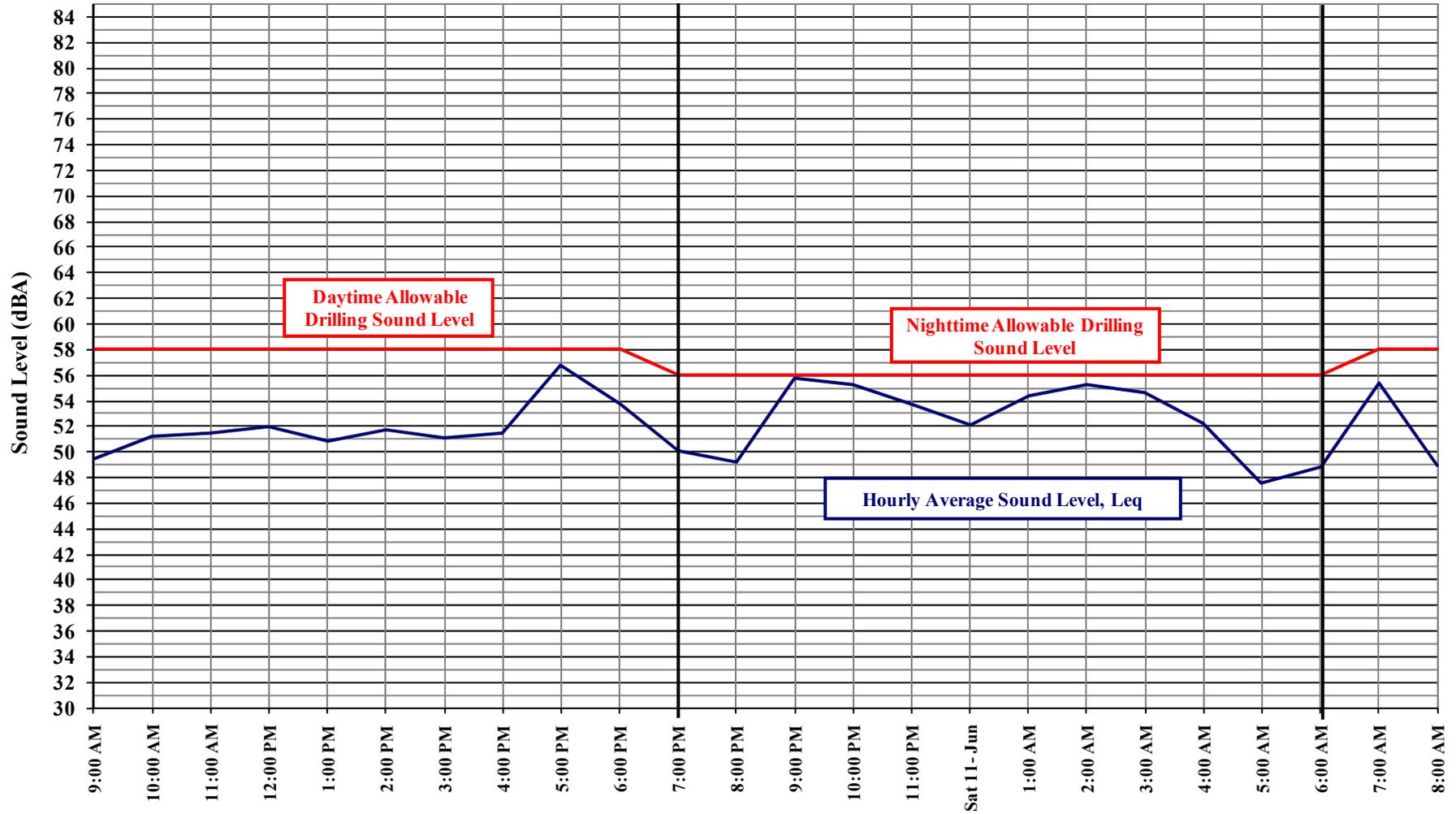
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments



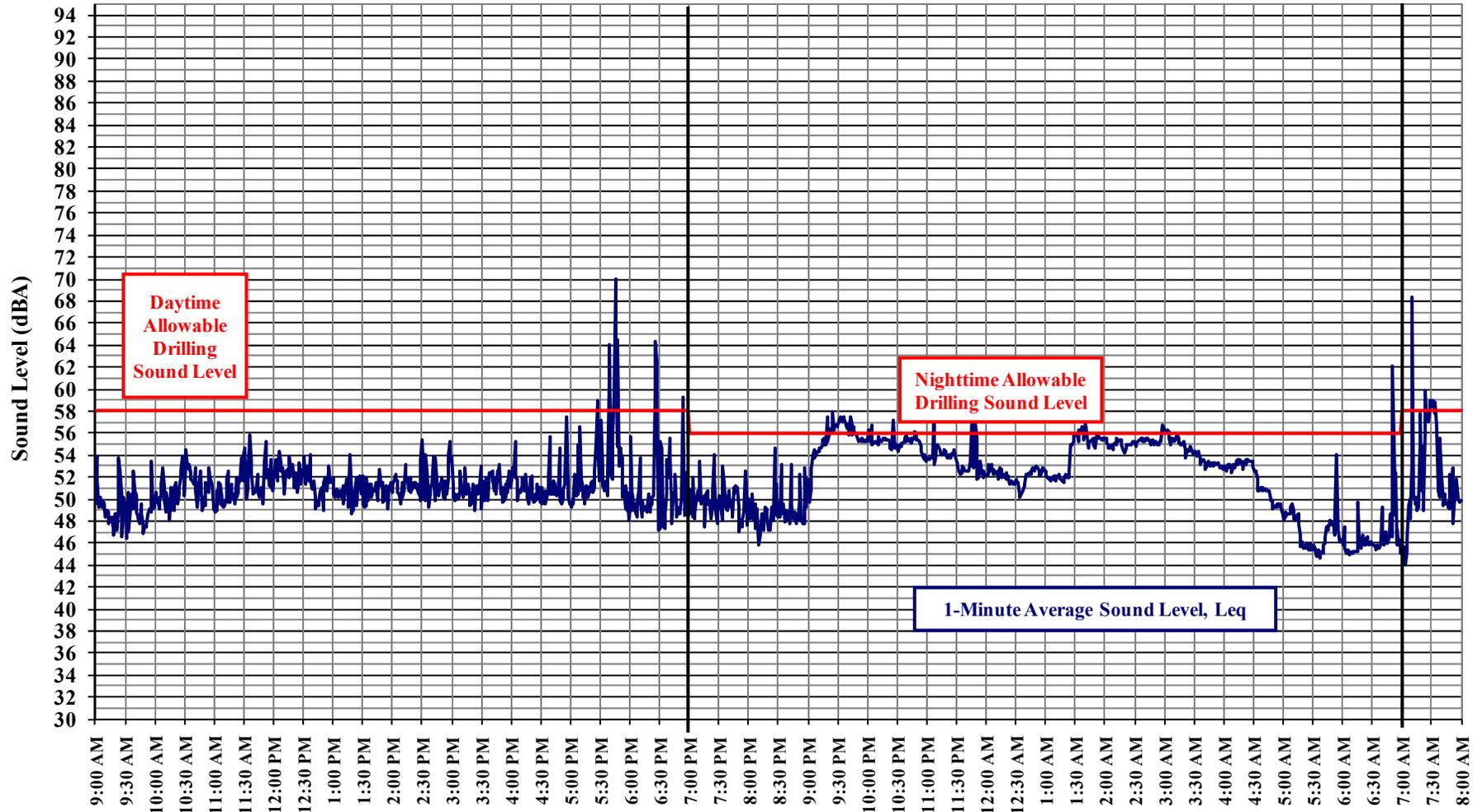
## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



June 10 - June 11, 2011



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



June 10 - June 11, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 12, 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 11, to Sunday, June 12, 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 at location two from 8:00 PM – 11:00 PM on Saturday, June 11, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from air traffic and birds in the vicinity of the monitoring location as the cause of the elevated sound levels. The second attached chart displays the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

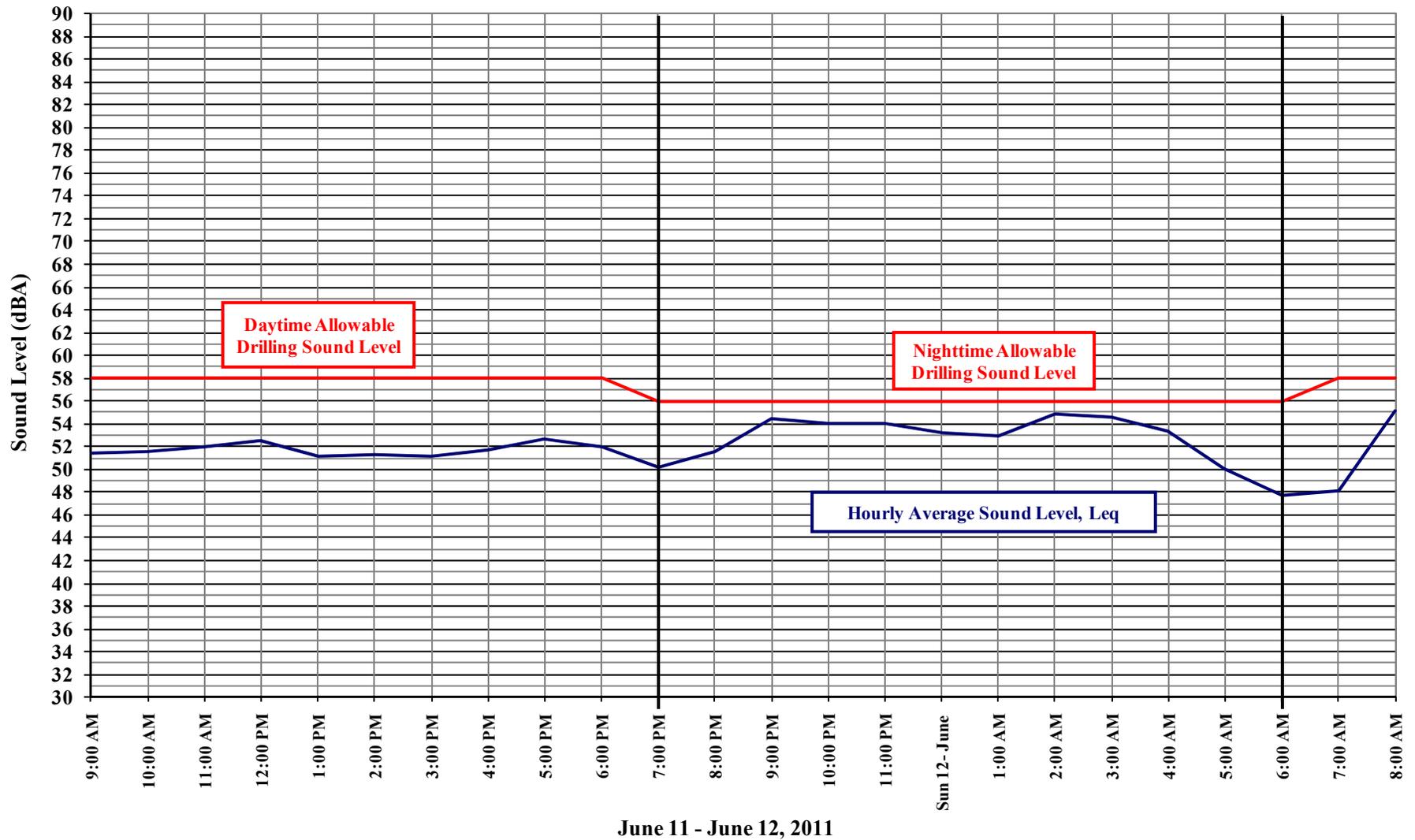
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President  
95-4460624

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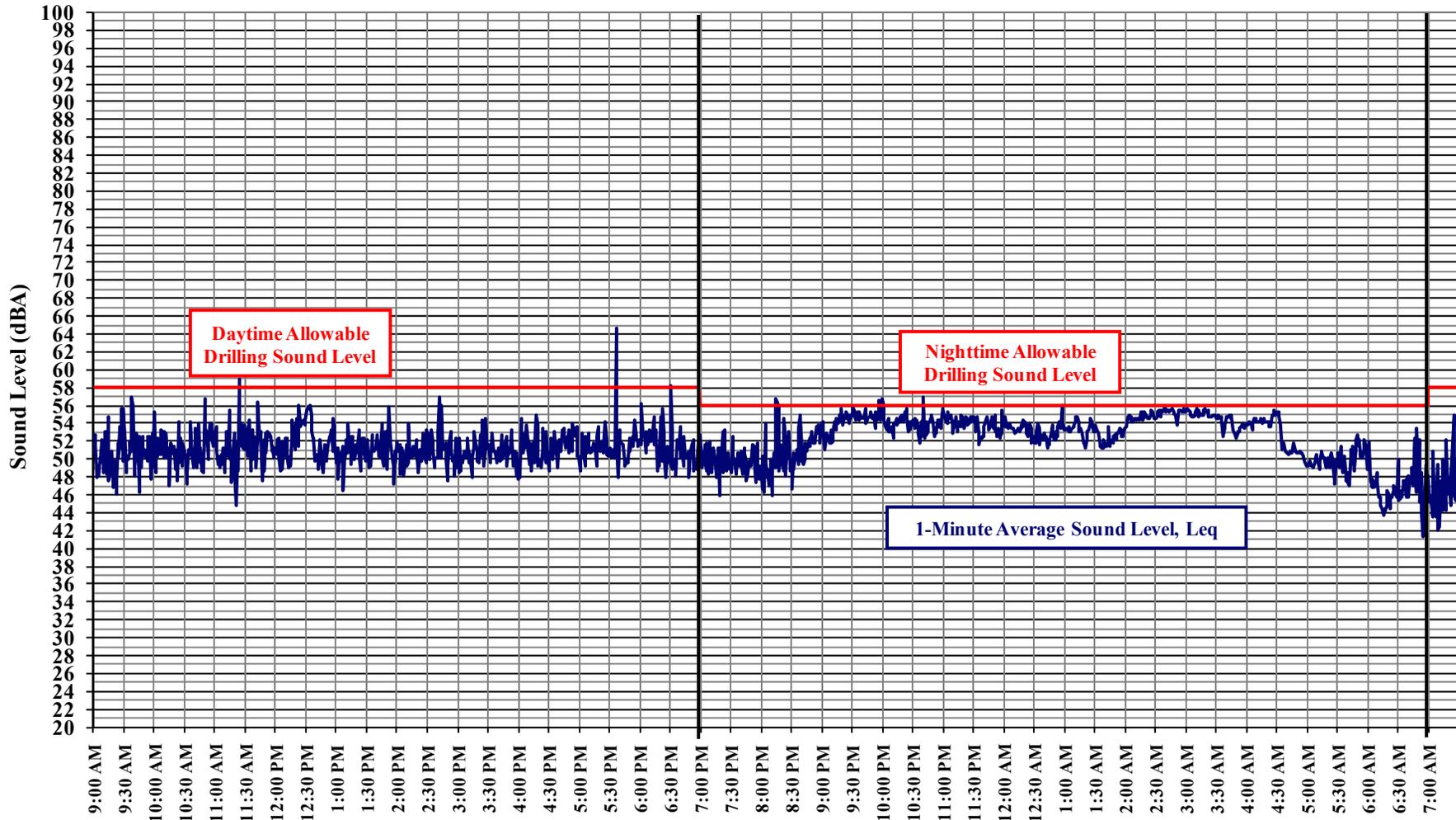


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





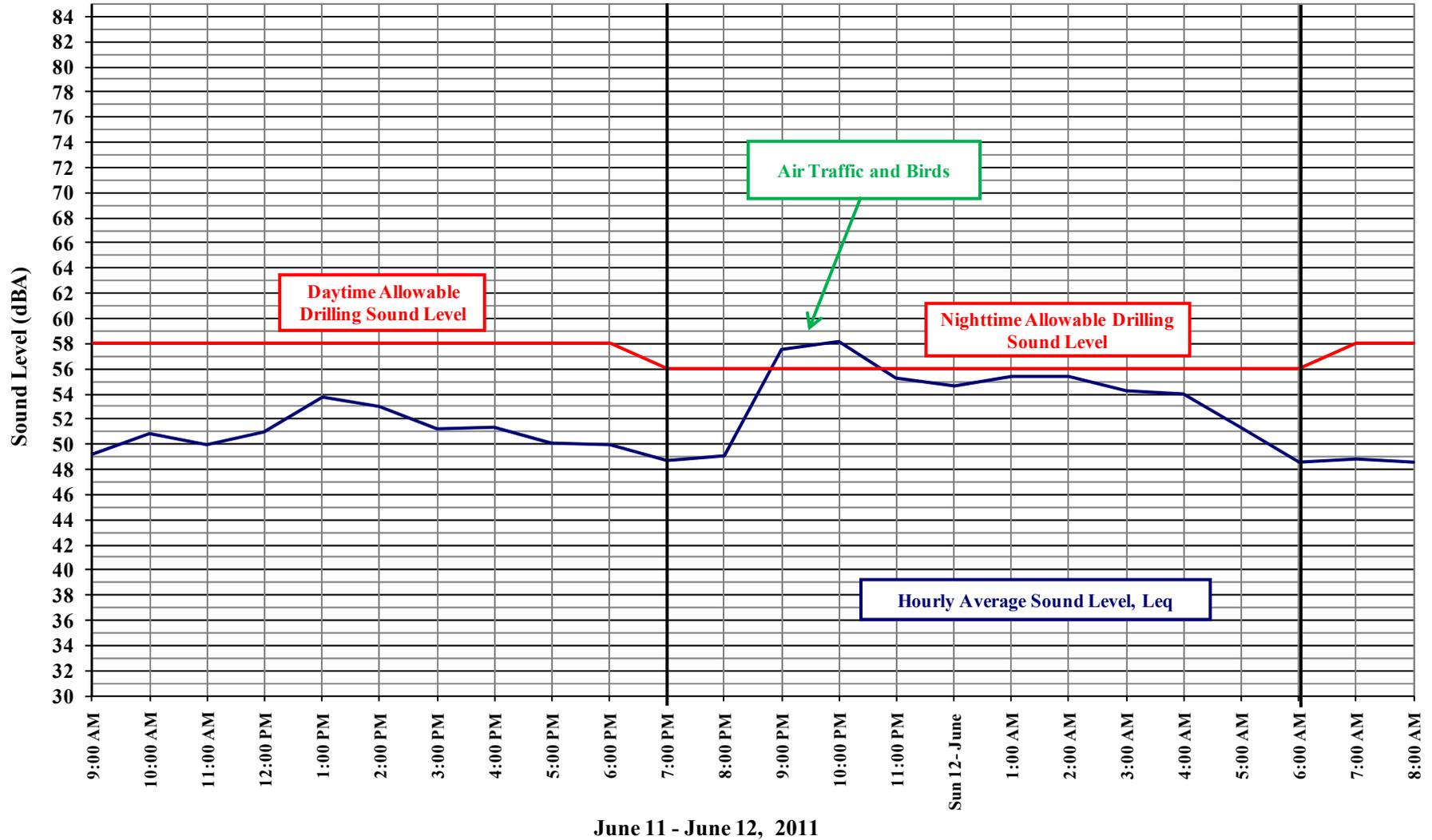
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 11 - June 12, 2011

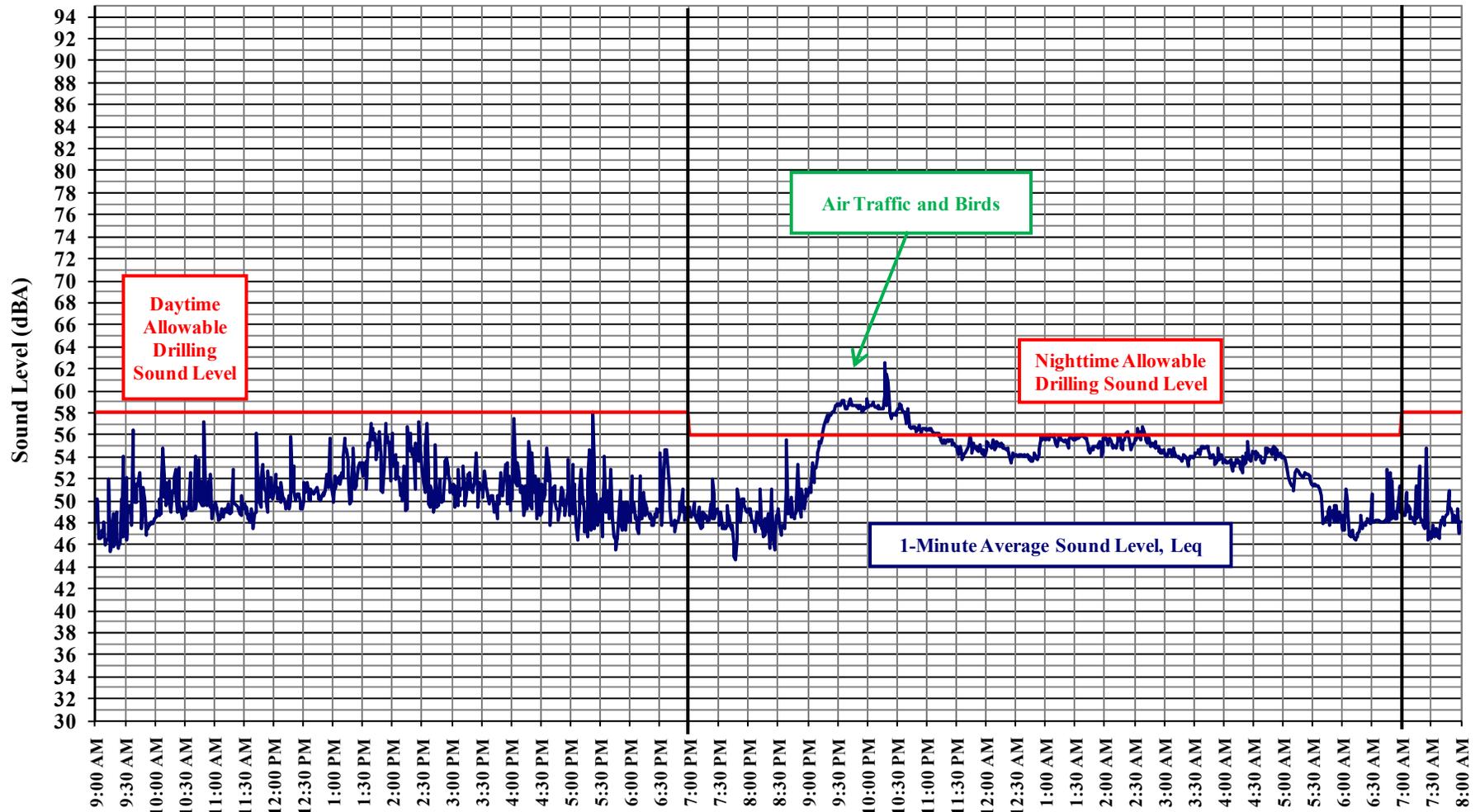


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 11 - June 12, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 13, 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 12, to Monday, June 13, 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 9:15 PM – 10:15 PM on Sunday, June 13, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from crickets in the vicinity of the monitoring location as the cause of the elevated sound levels. The second attached chart displays the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

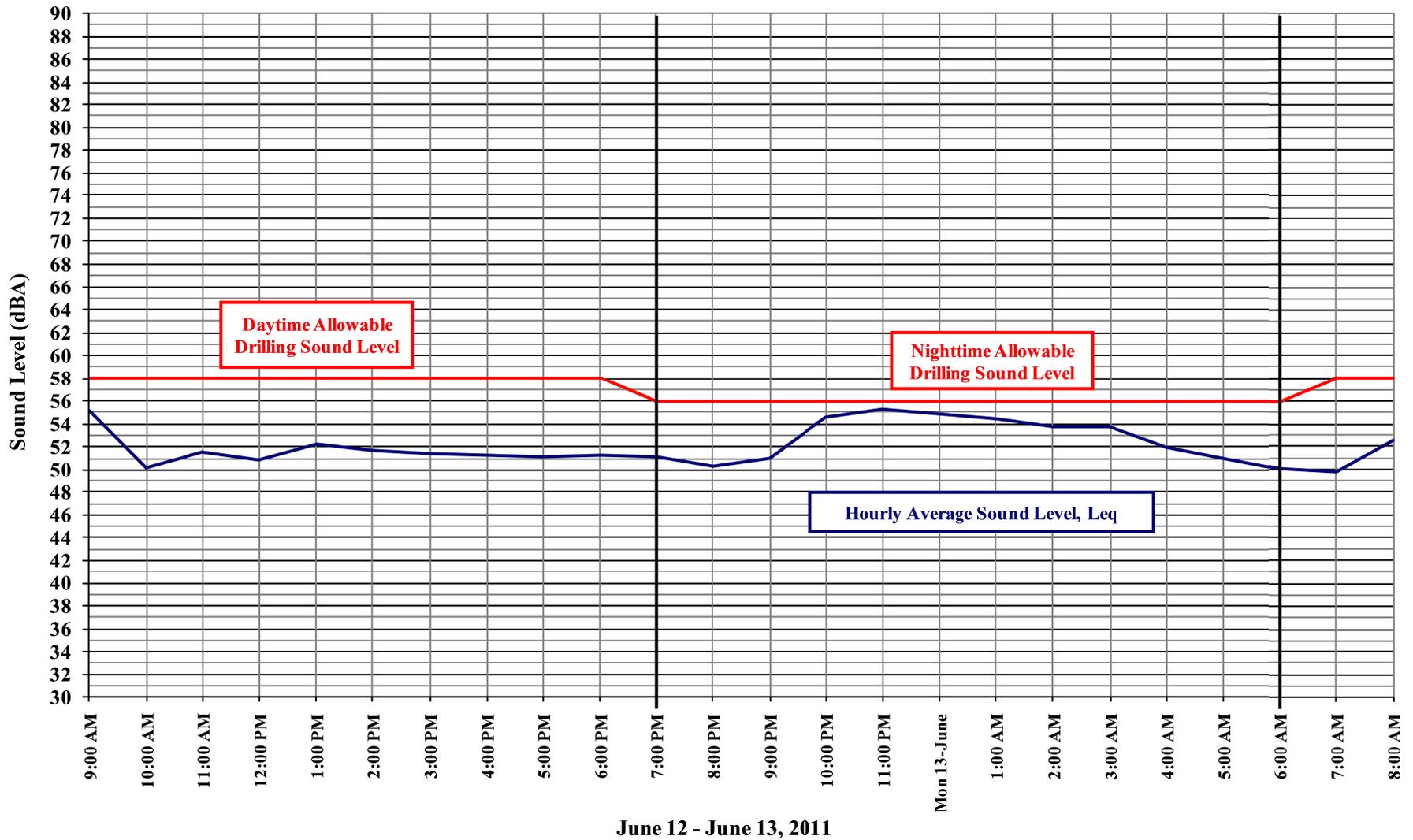
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President  
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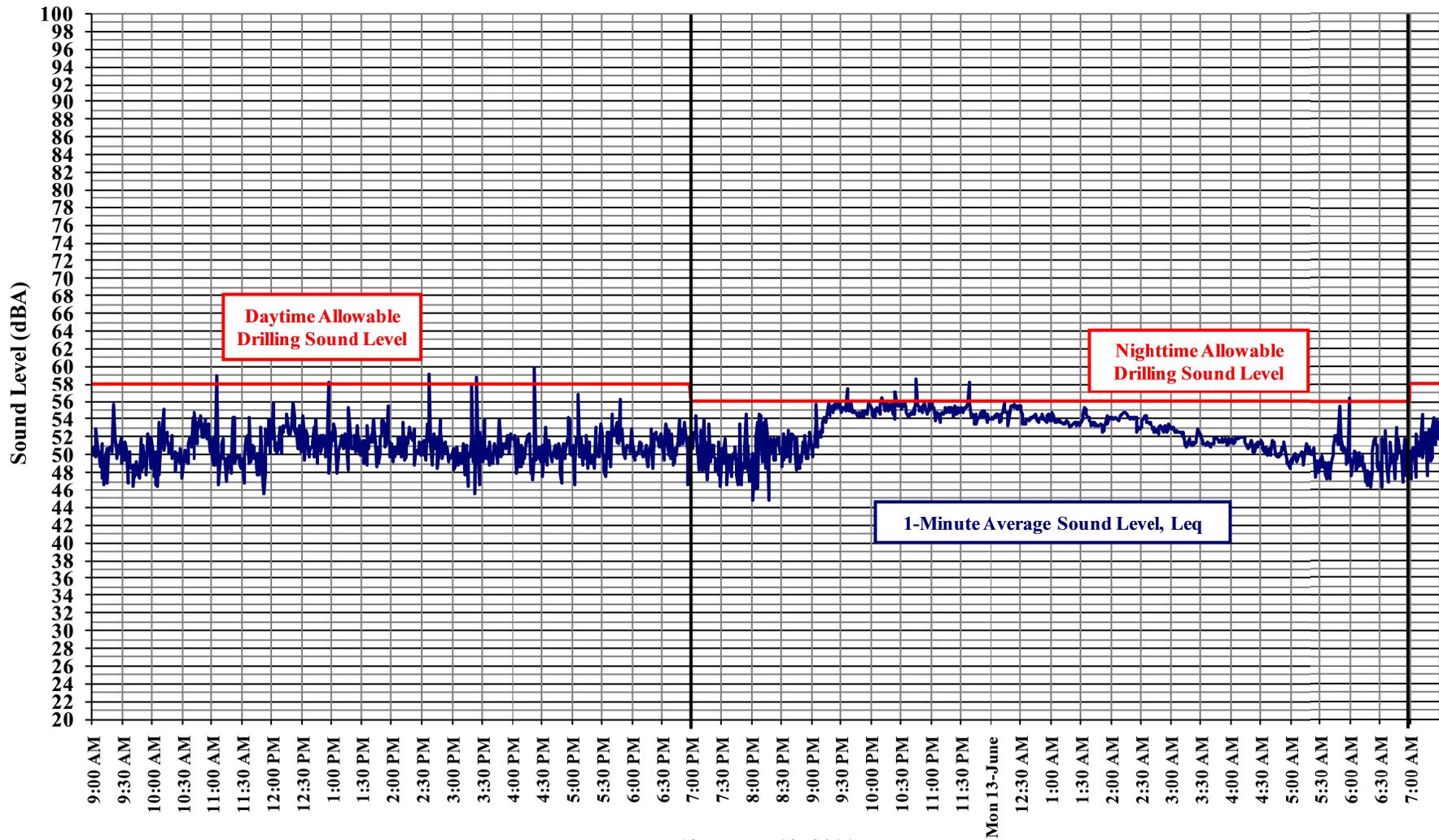


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





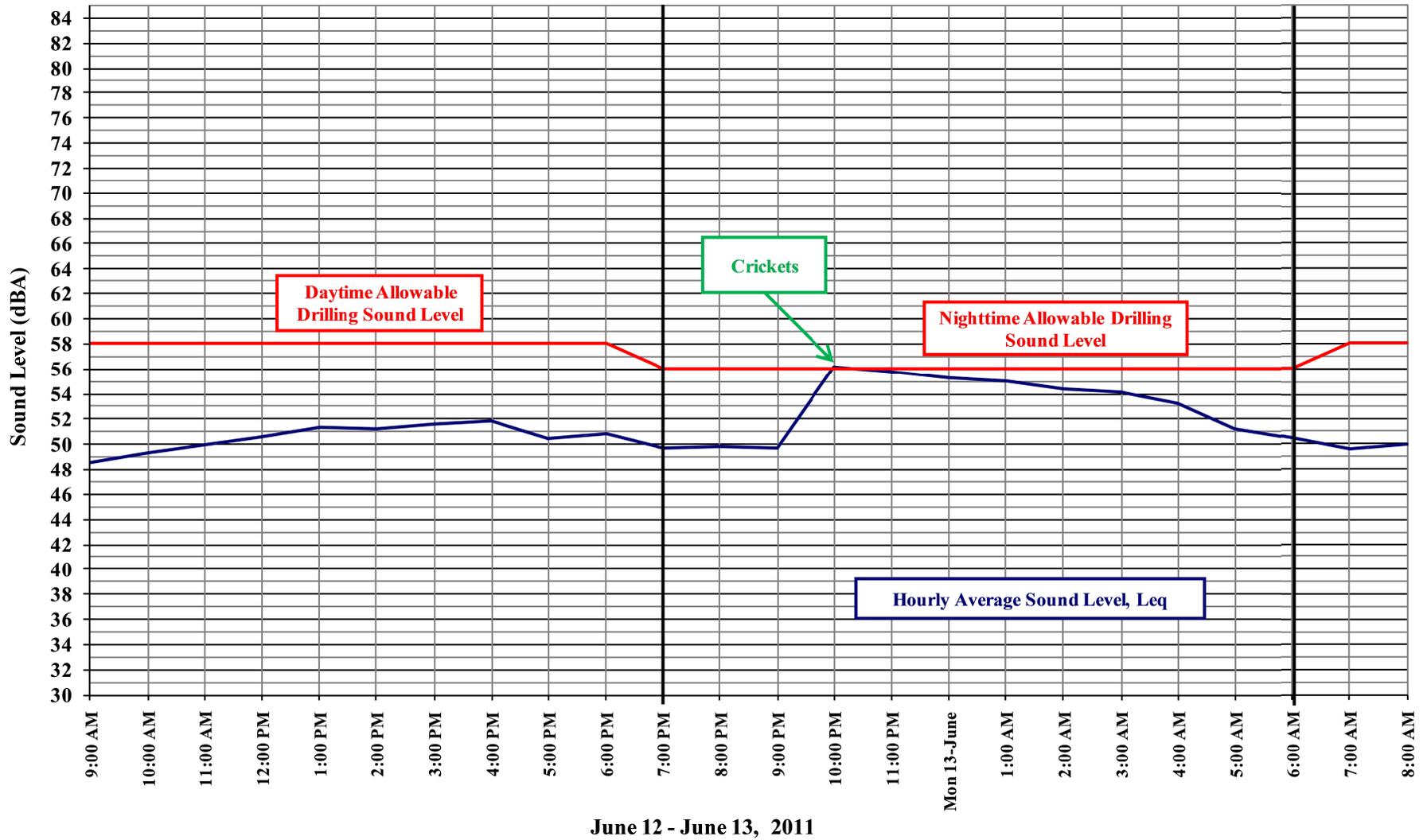
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 12 - June 13, 2011

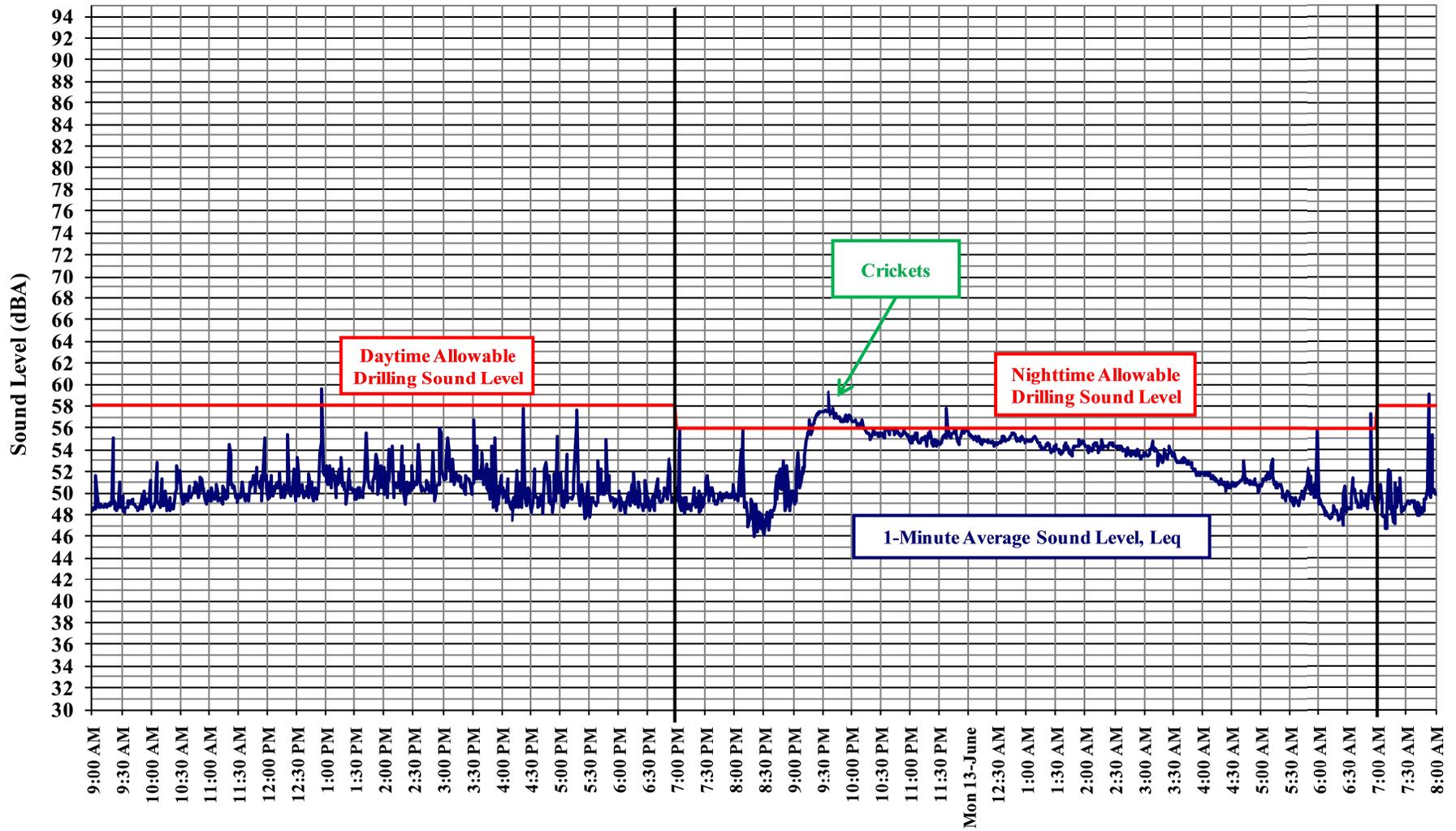


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 12 - June 13, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 14, 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 13, to Tuesday, June 14, 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 PM – 10:00 PM on Monday, June 13, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from crickets in the vicinity of Monitoring Location #1 as the cause of the elevated sound levels. The second attached chart displays the 1-minute average (Leq) for the period of exceedance.

Please contact me if you have any questions or comments.

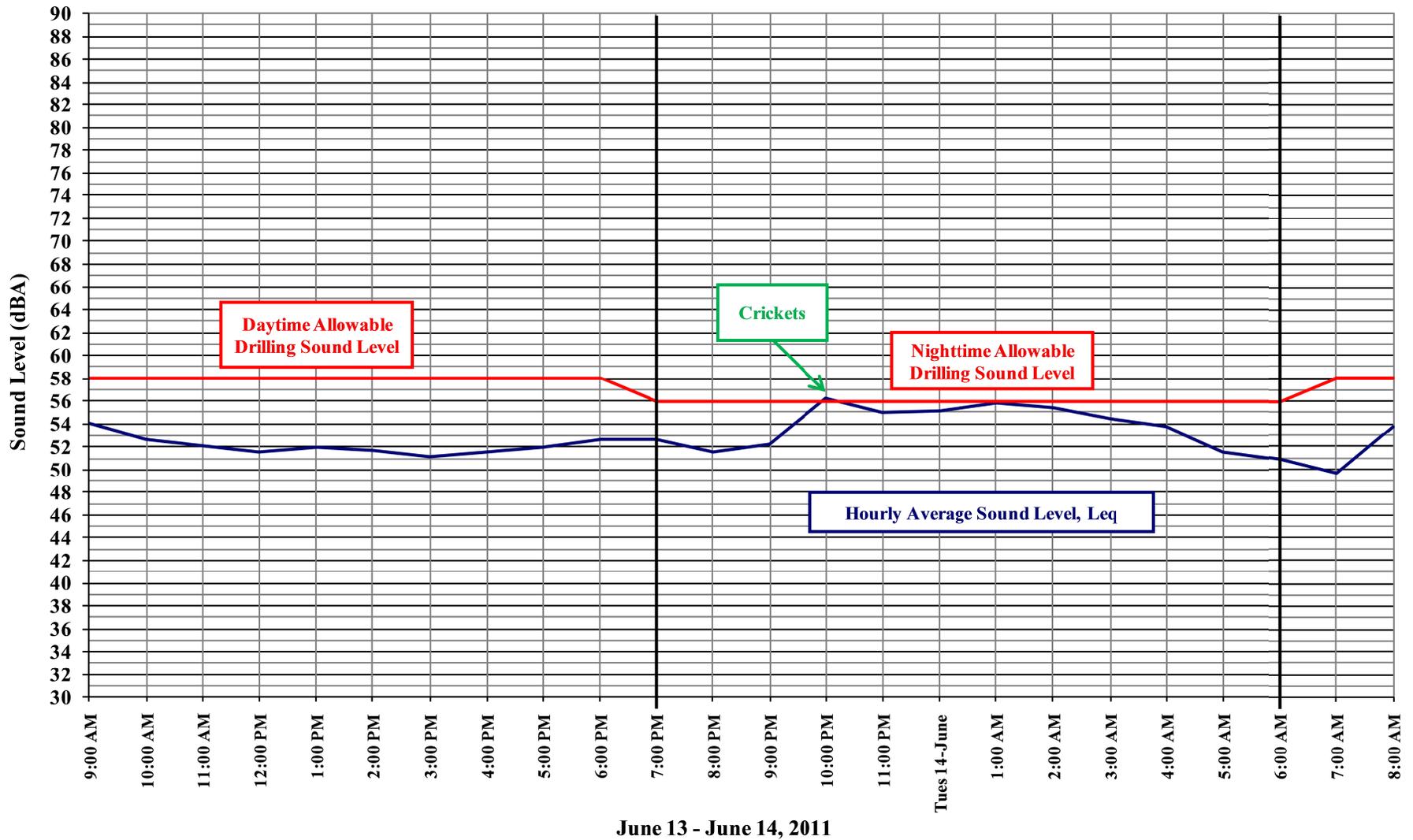
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Don Behrens  
President  
95-4460624

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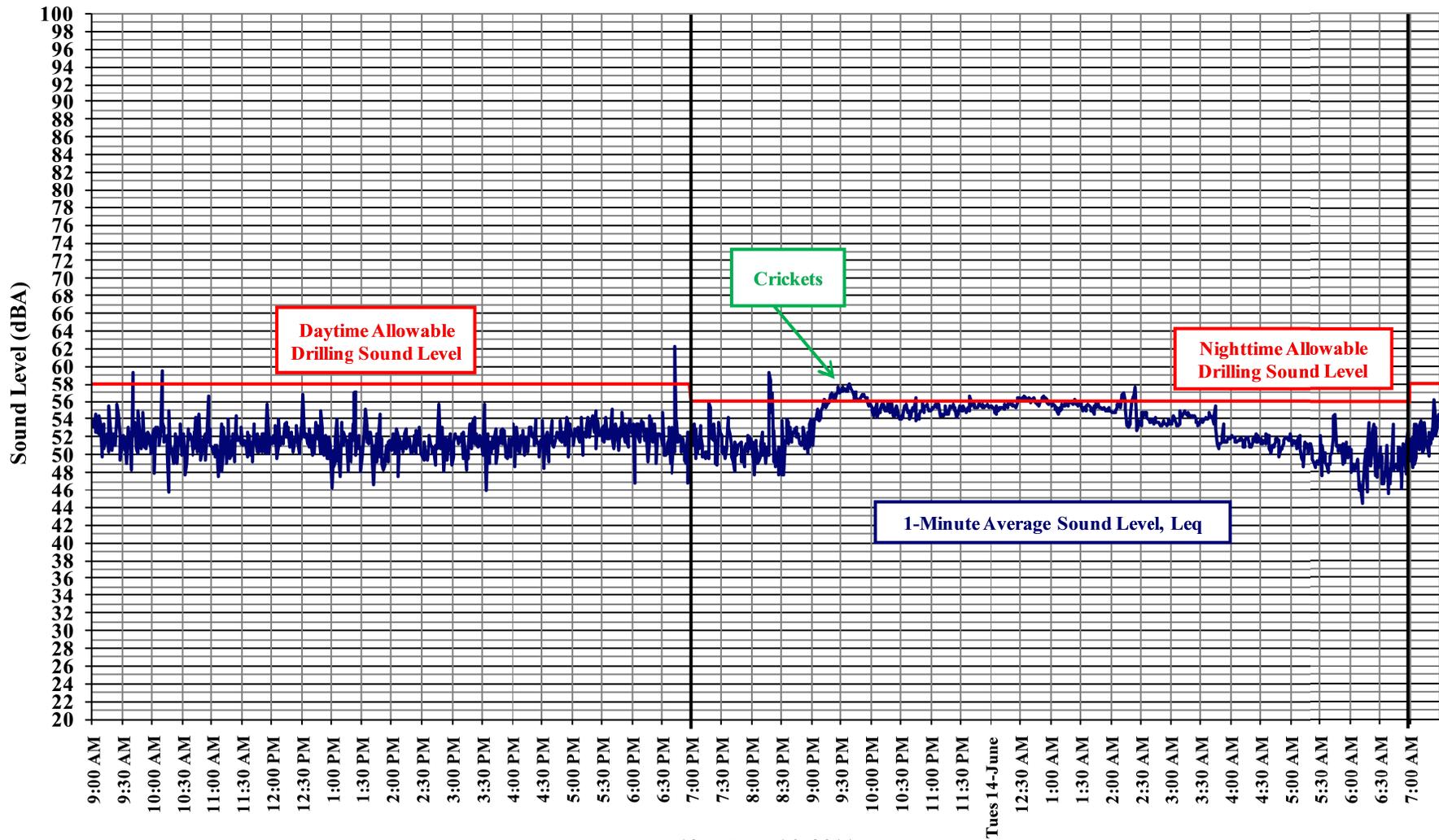


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





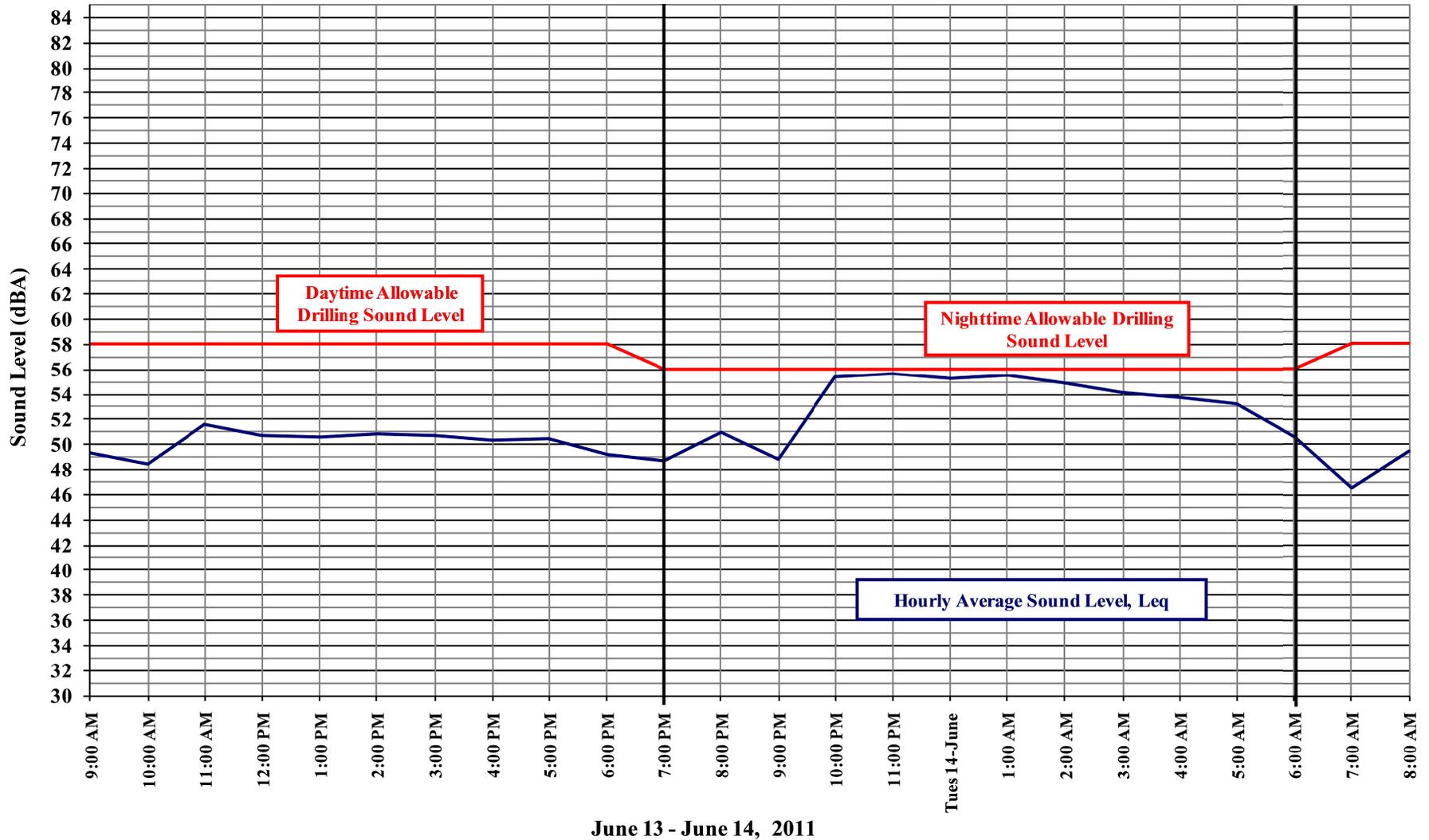
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 13 - June 14, 2011



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



# **Behrens and Associates, Inc.**

*Environmental Noise Control*



June 15, 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 14, to Wednesday, June 15, 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.

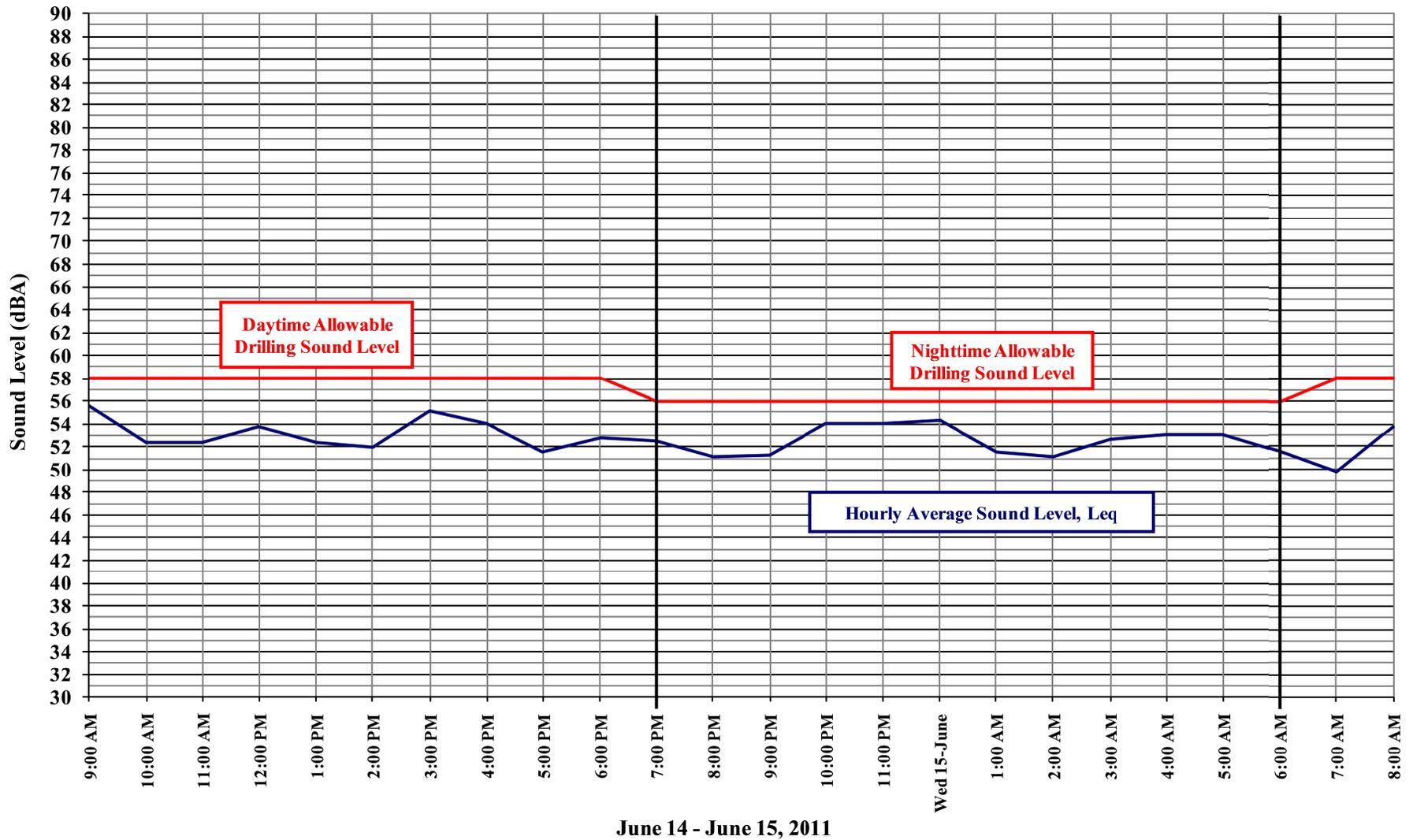
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments

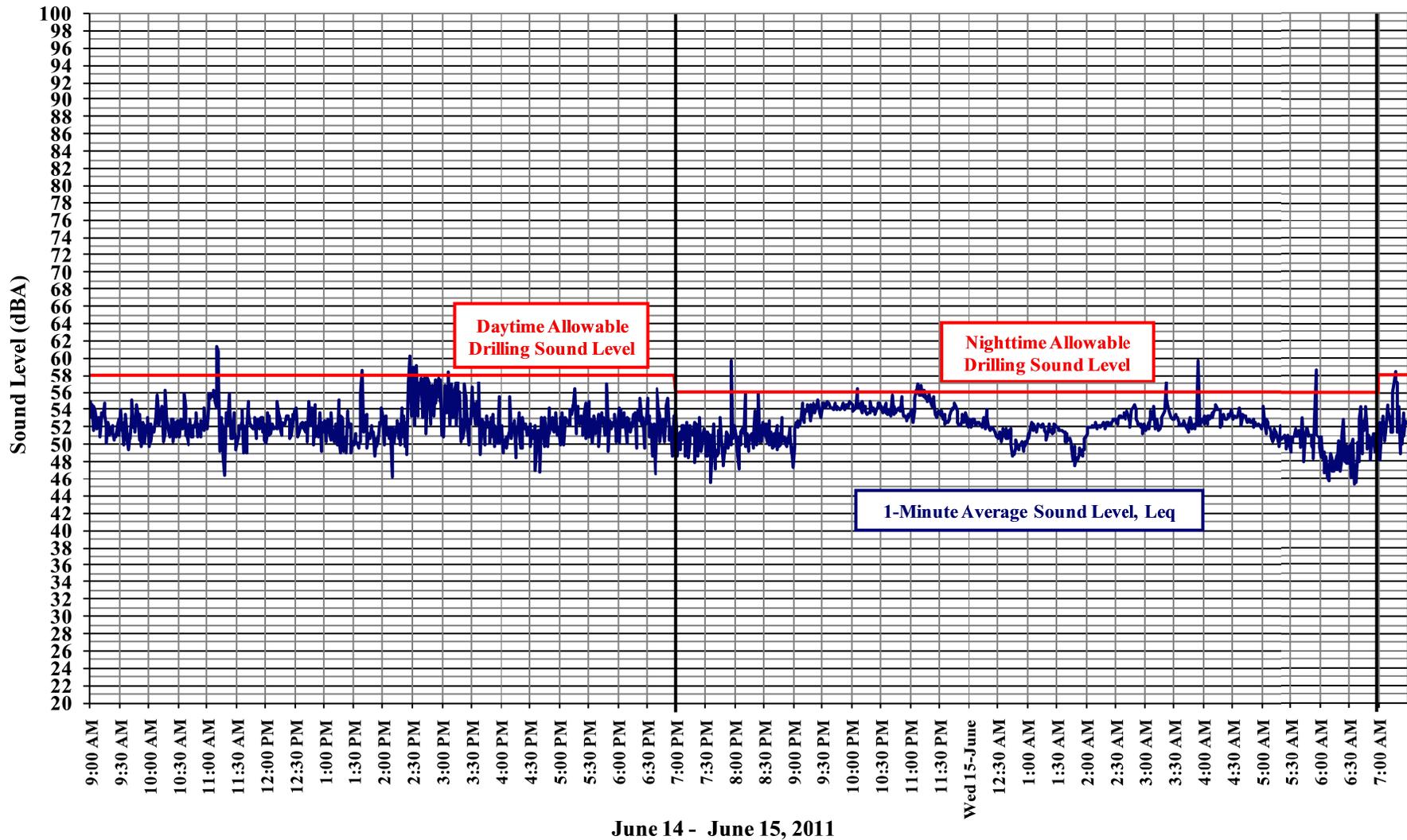


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



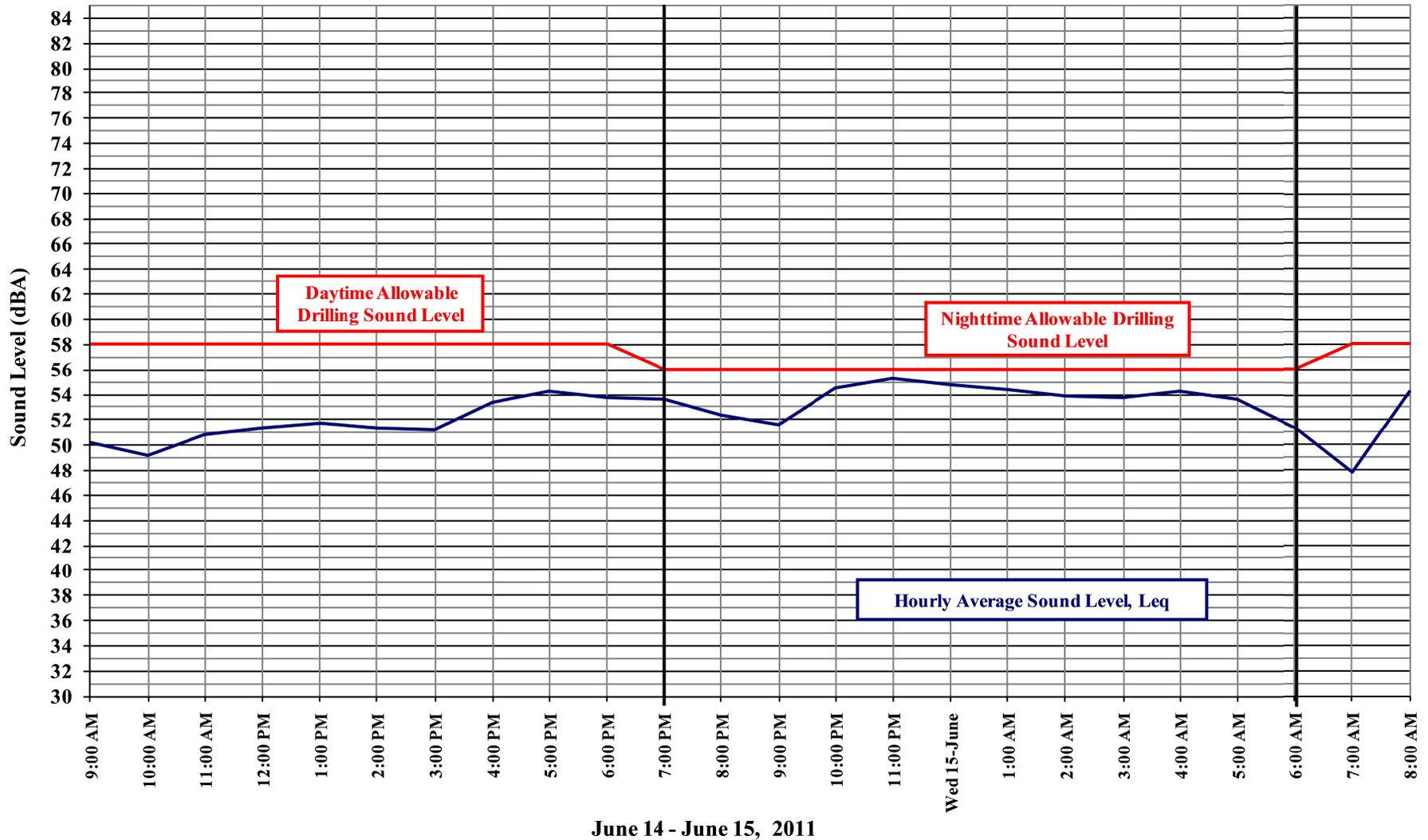


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



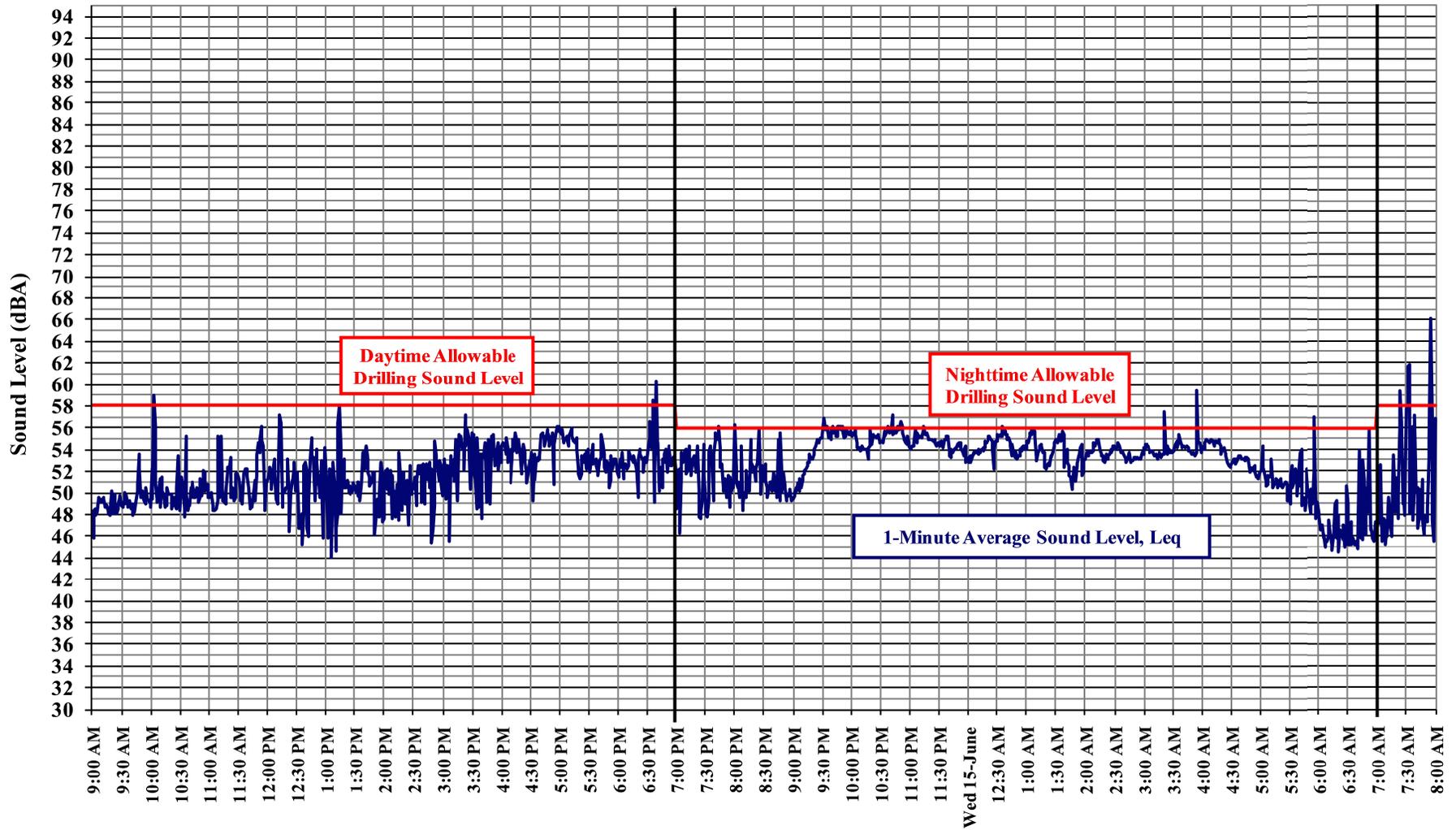


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



June 14 - June 15, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



June 16, 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 15, to Thursday, June 16, 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 on Wednesday, June 15 to Thursday, June 16, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from road traffic in the vicinity of Monitoring Location # 1 and from crickets and birds in the vicinity of Monitoring Location #2 as the cause of the elevated sound levels. The second 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,

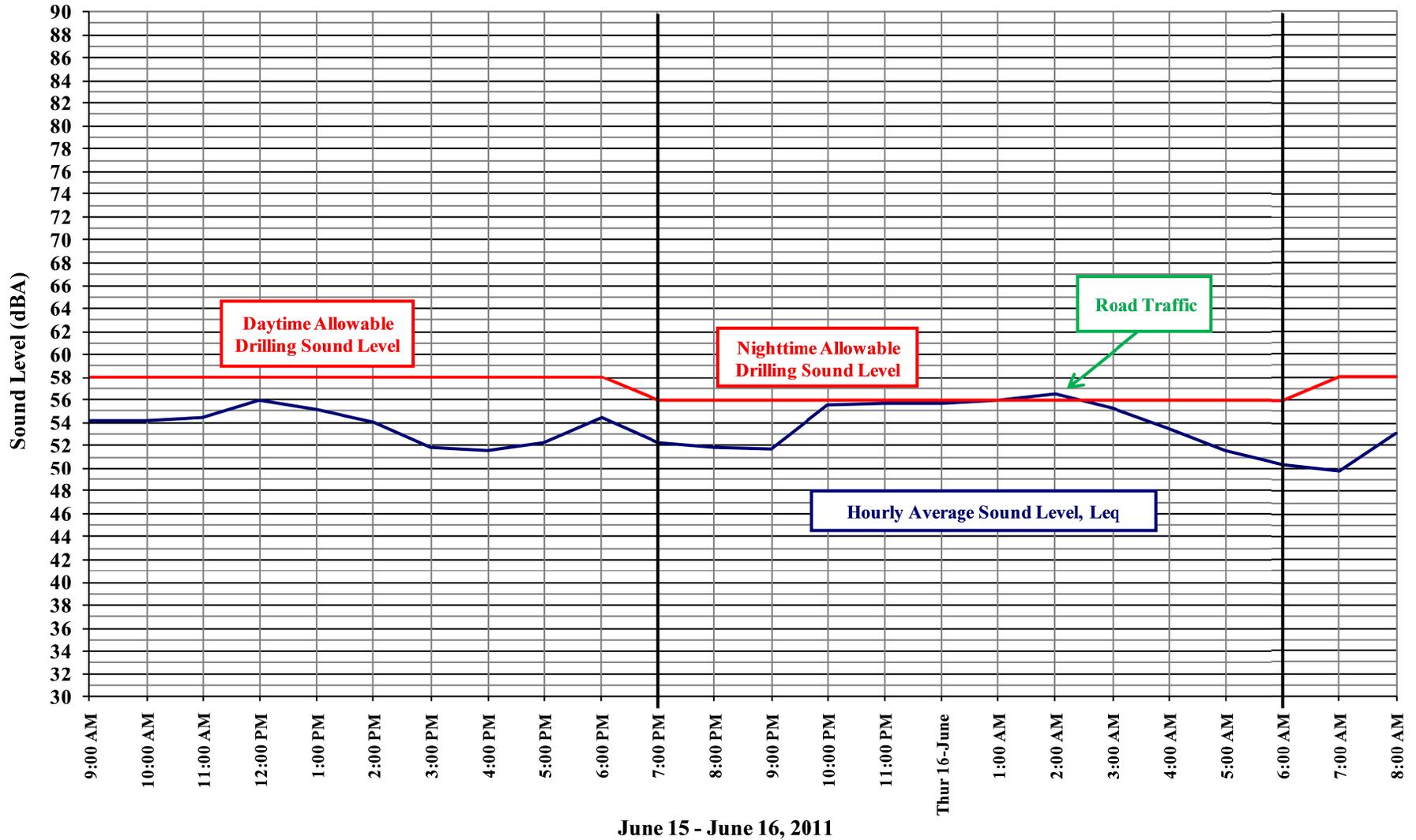
Don Behrens  
President  
95-4460624

## Attachments

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)

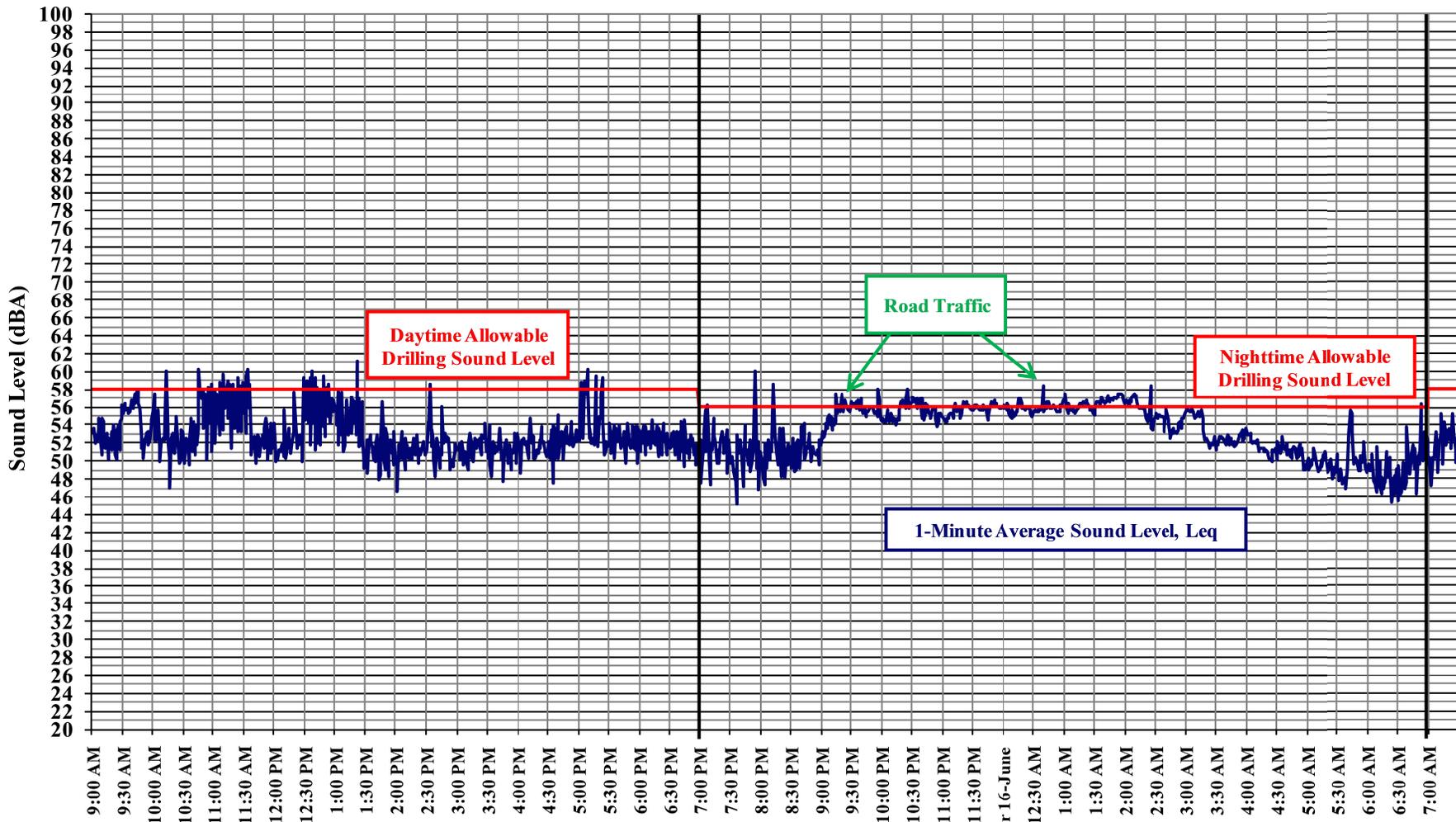


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





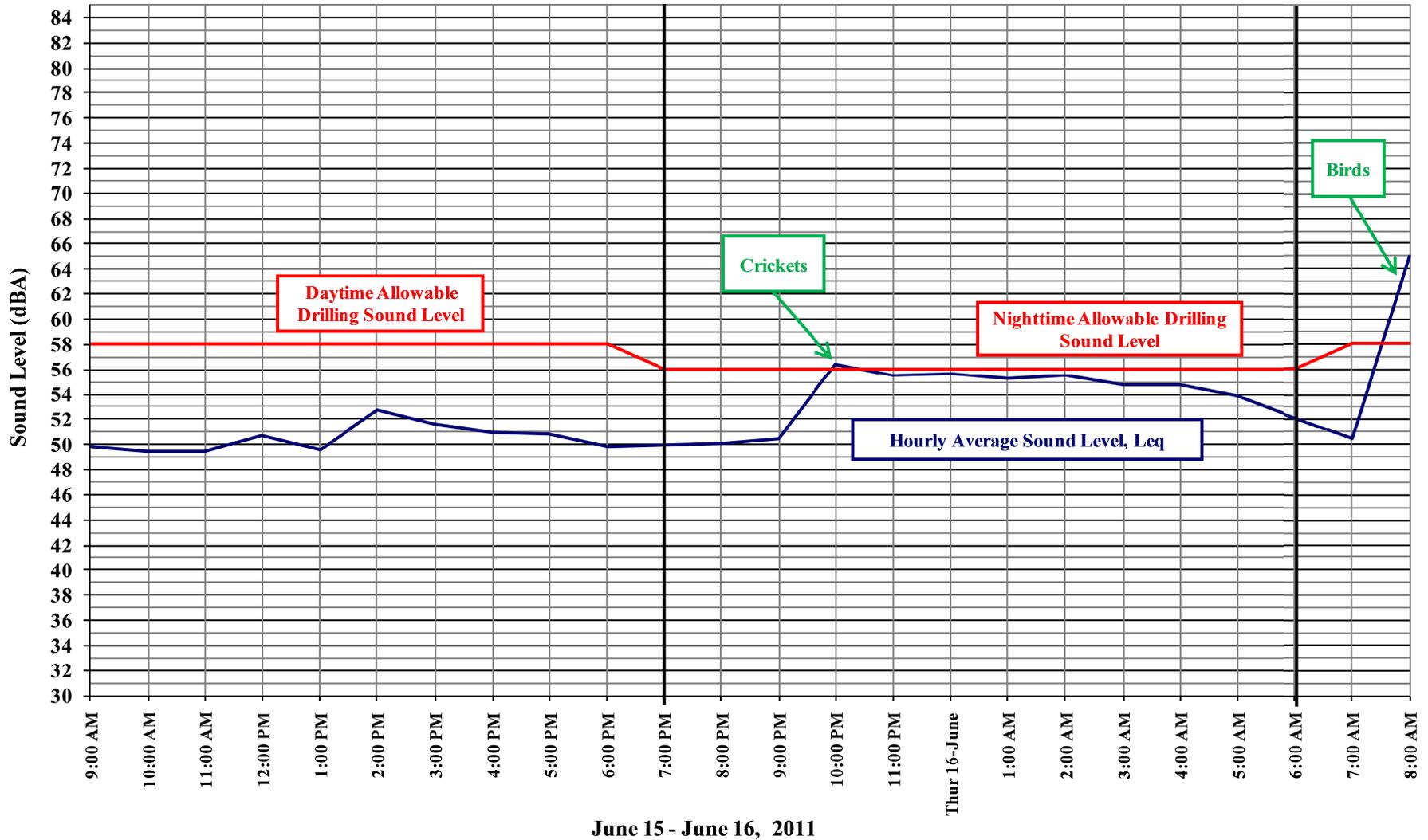
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



June 15 - June 16, 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

