

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

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

Date(s): May 25 – May 31, 2011

Inspector: Christopher Polidore  
Belcheff & Associates, Inc.

### General Comments:

Preparations are underway for installation of the production casing on the “F” well. There was a few days delay due to the drilling pipe getting stuck. Once complete drilling will move to the “C” well.

The overall site condition this past week was good.

### Noise

Review of the daily noise reports continue to show the primary noise sources which contribute to high noise levels are lawn maintenance, air traffic, high winds, and thunderstorms. These increases in noise levels reach as high as 16dB above the requirement set for the drilling site. (Mathematically 6dB is double the sound pressure, but standards and regulations vary depending on the chosen perceptions of sound. In the U.S., it is either 3dB or 5dB.) All reports show the site in compliance with the noise criteria.

### Environmental

The generator supplying the living quarters was replaced due to a leaking oil seal.

### Compliance/Documentation/Reporting

A number of vehicles have been turning around in the entrance to the drill site. I observed three during this past week while walking the site. These vehicles are not associated with the drill site and may result in a perception that they are from the site and not following the prescribed routing plan.

### Site Conditions

Over the past week, the backyard hand has been re-grading the pad, placing large stone or additional crushed stone in low spots caused by truck traffic around the waste tanks.

The primary power house generator enclosures have been removed for additional cooling capacity due to the hotter weather. This does not alter the noise characteristics outside the generator sound wall.

# **Behrens and Associates, Inc.**

*Environmental Noise Control*



May 27, 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, May 26, to Friday, May 27, 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.

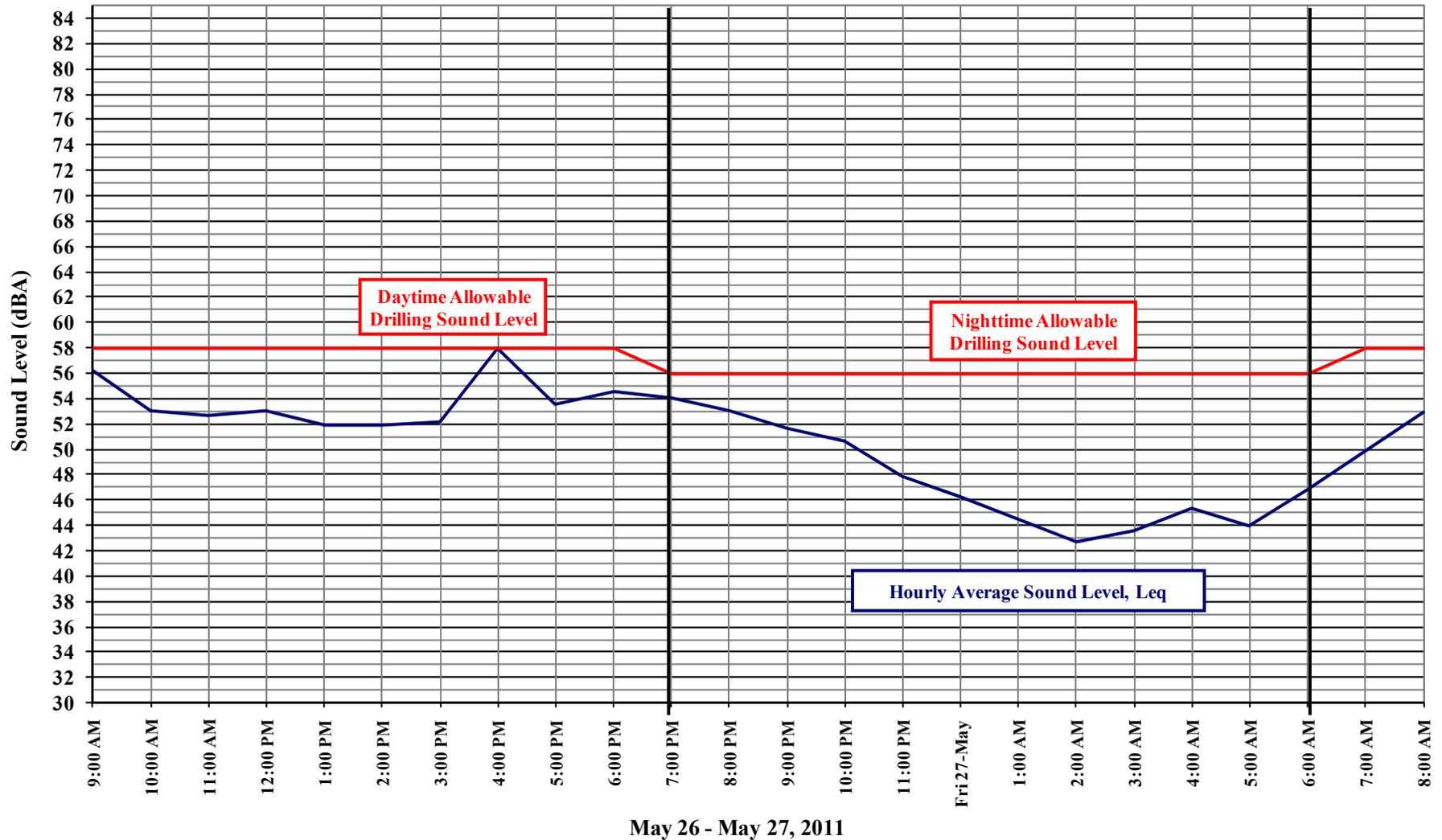
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments

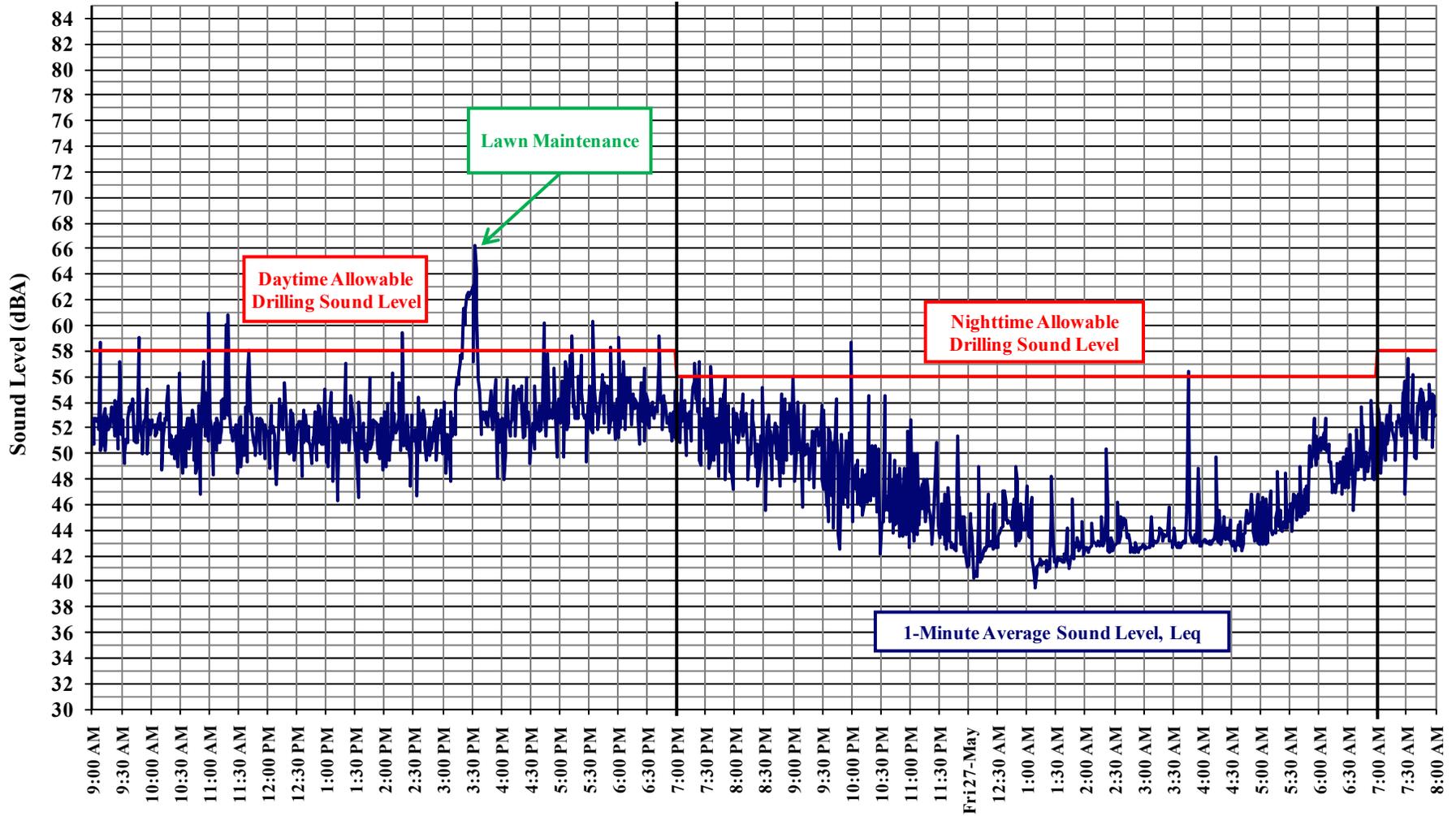


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





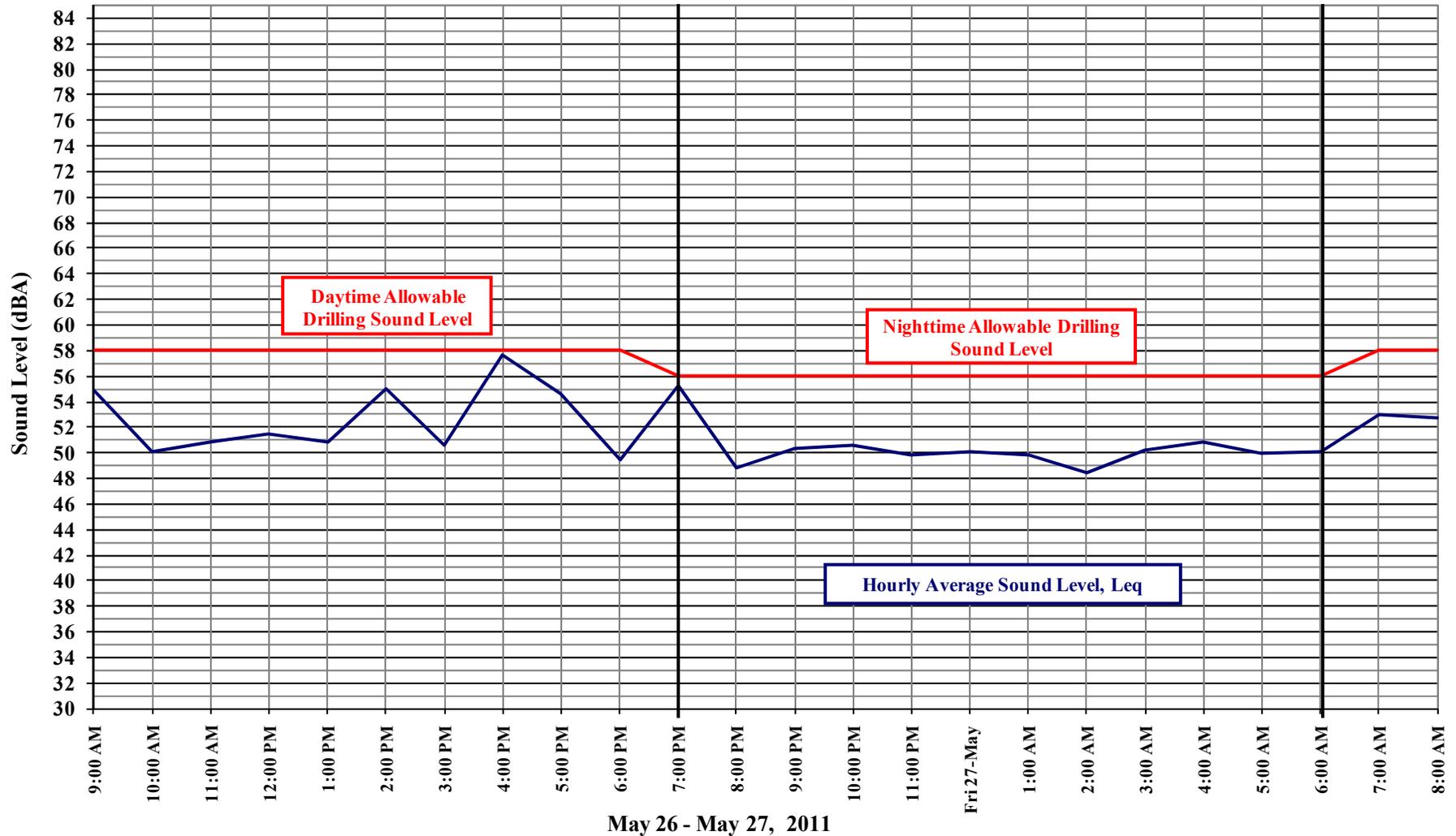
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 26 - May 27, 2011

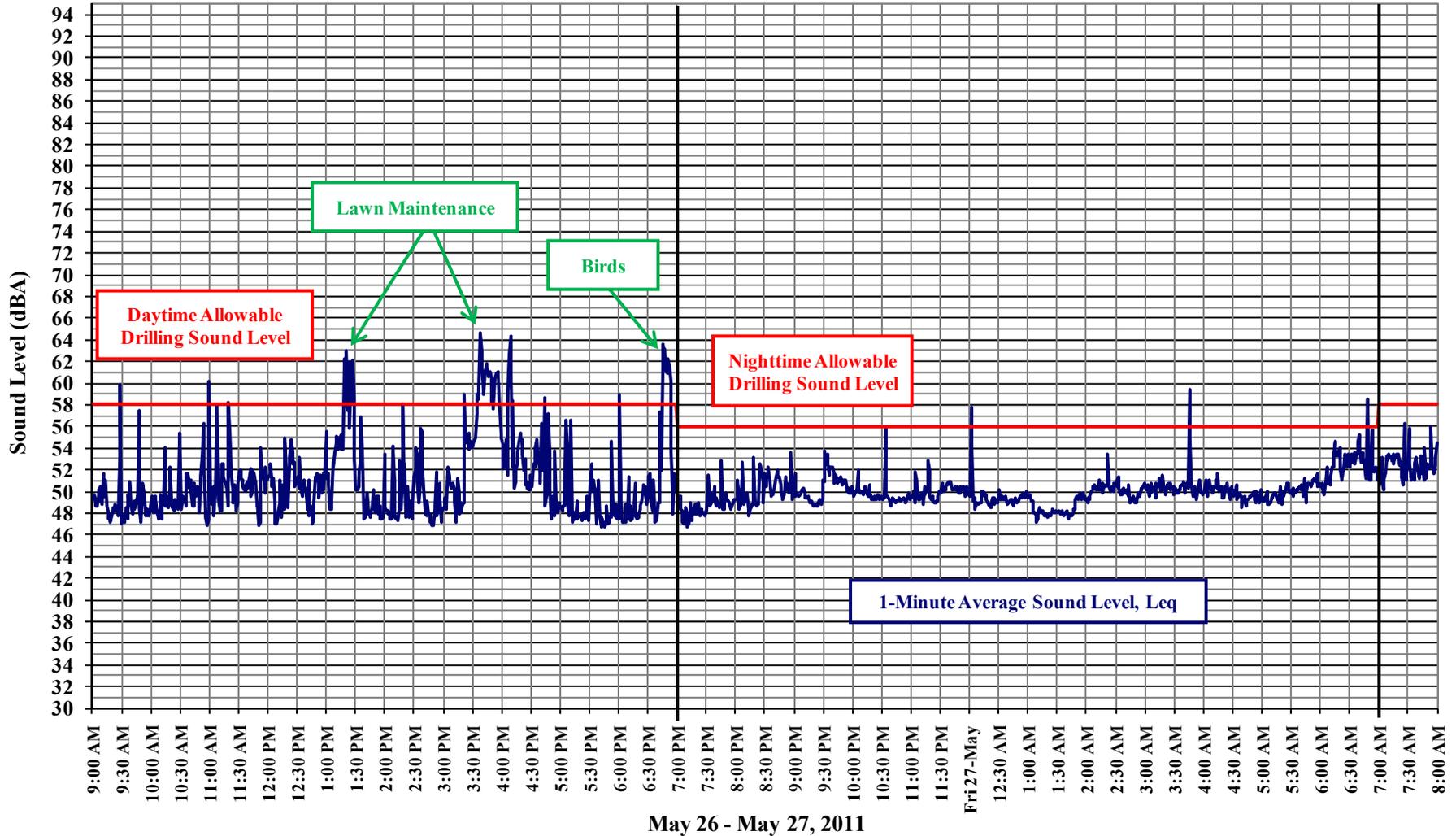


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



# Behrens and Associates, Inc.

*Environmental Noise Control*



May 28, 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, May 27, to Saturday, May 28, 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 the second monitoring location from 2:00 PM – 5:00 PM on Friday, May 27, 2011. Review of an audio recording made during the monitoring period revealed off-site noise from lawn maintenance 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.

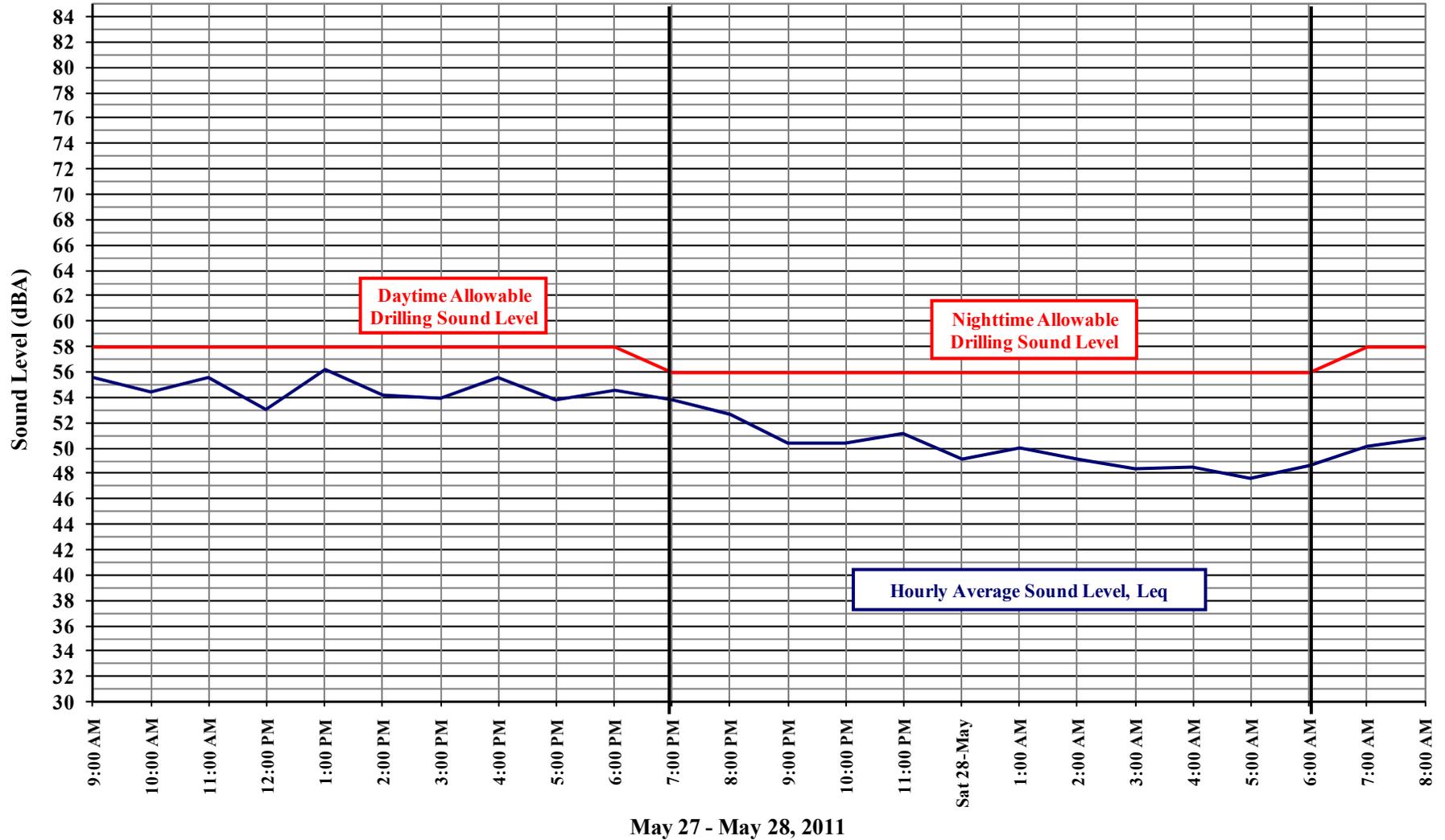
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments

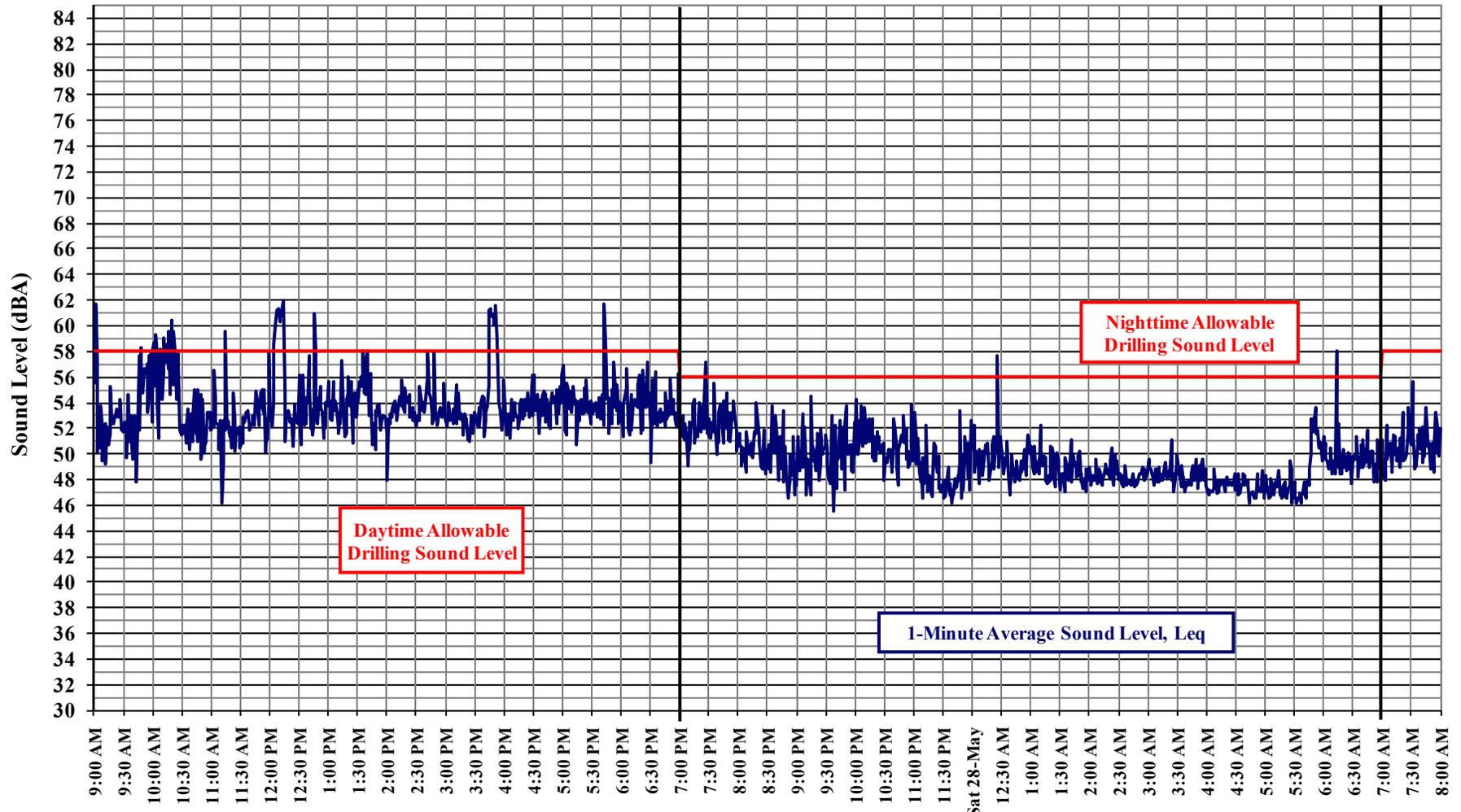


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





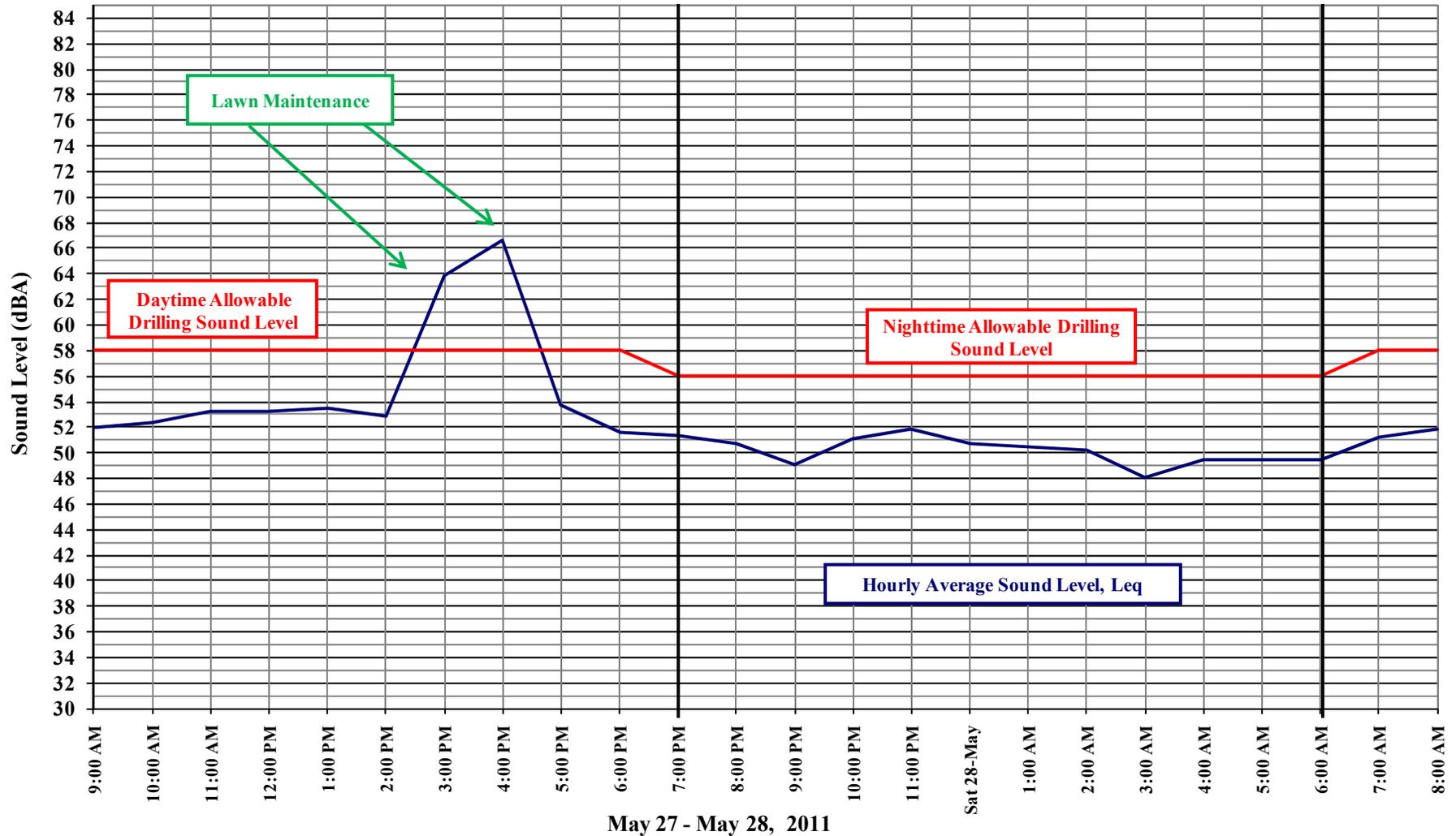
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 27 - May 28, 2011

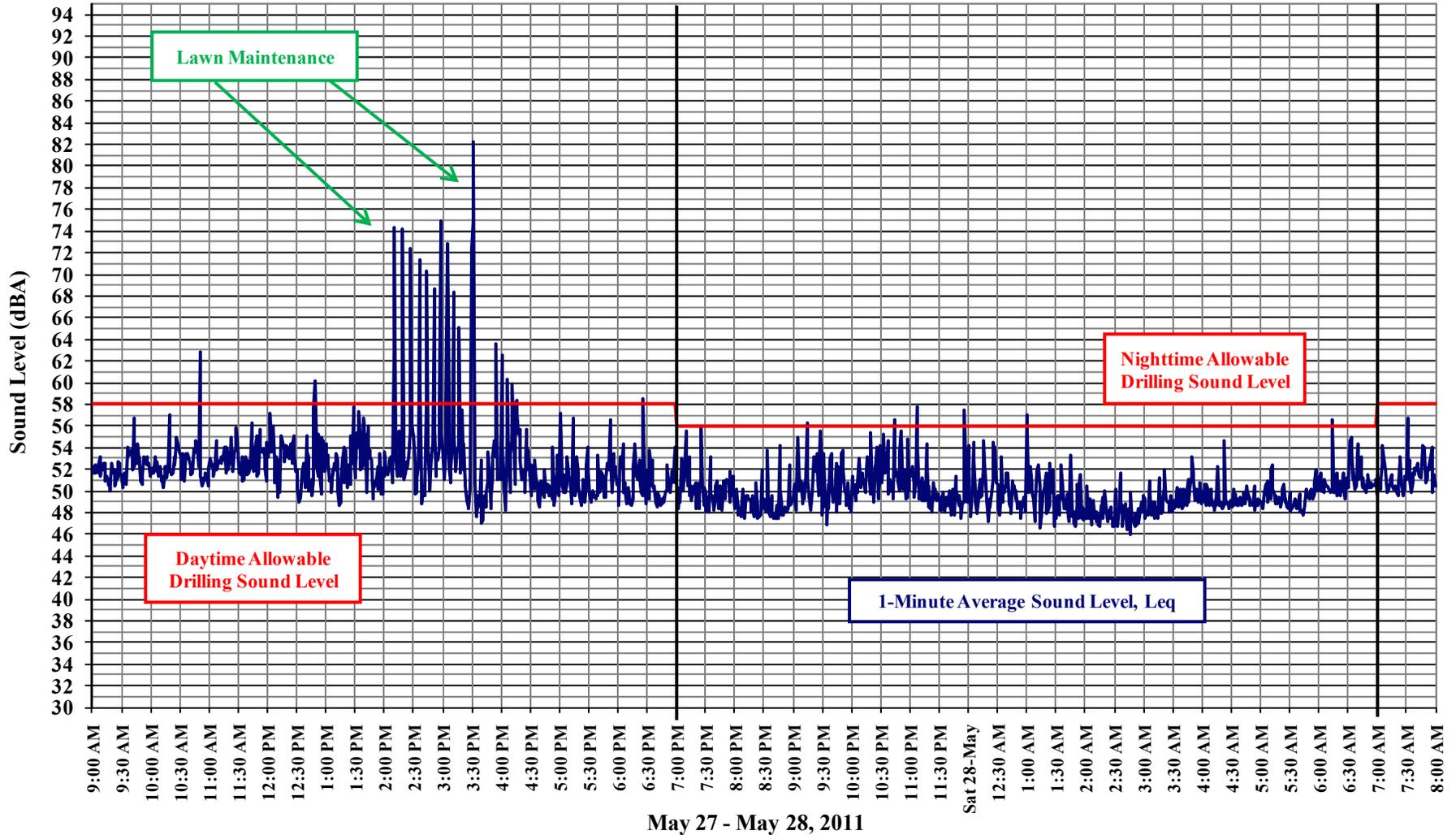


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



# Behrens and Associates, Inc.

*Environmental Noise Control*



May 29, 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, May 28, to Sunday, May 29, 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.

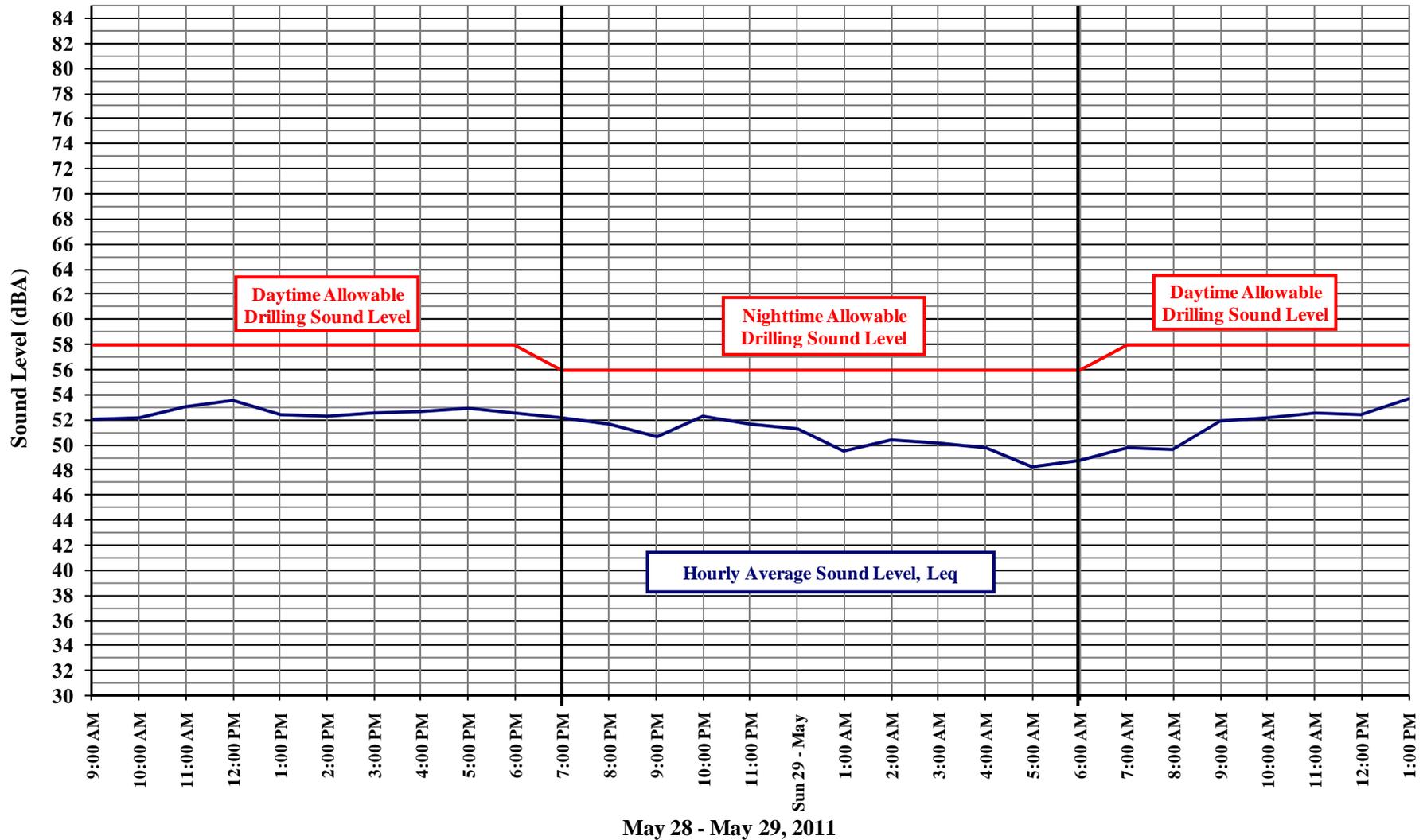
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Don Behrens  
President  
95-4460624

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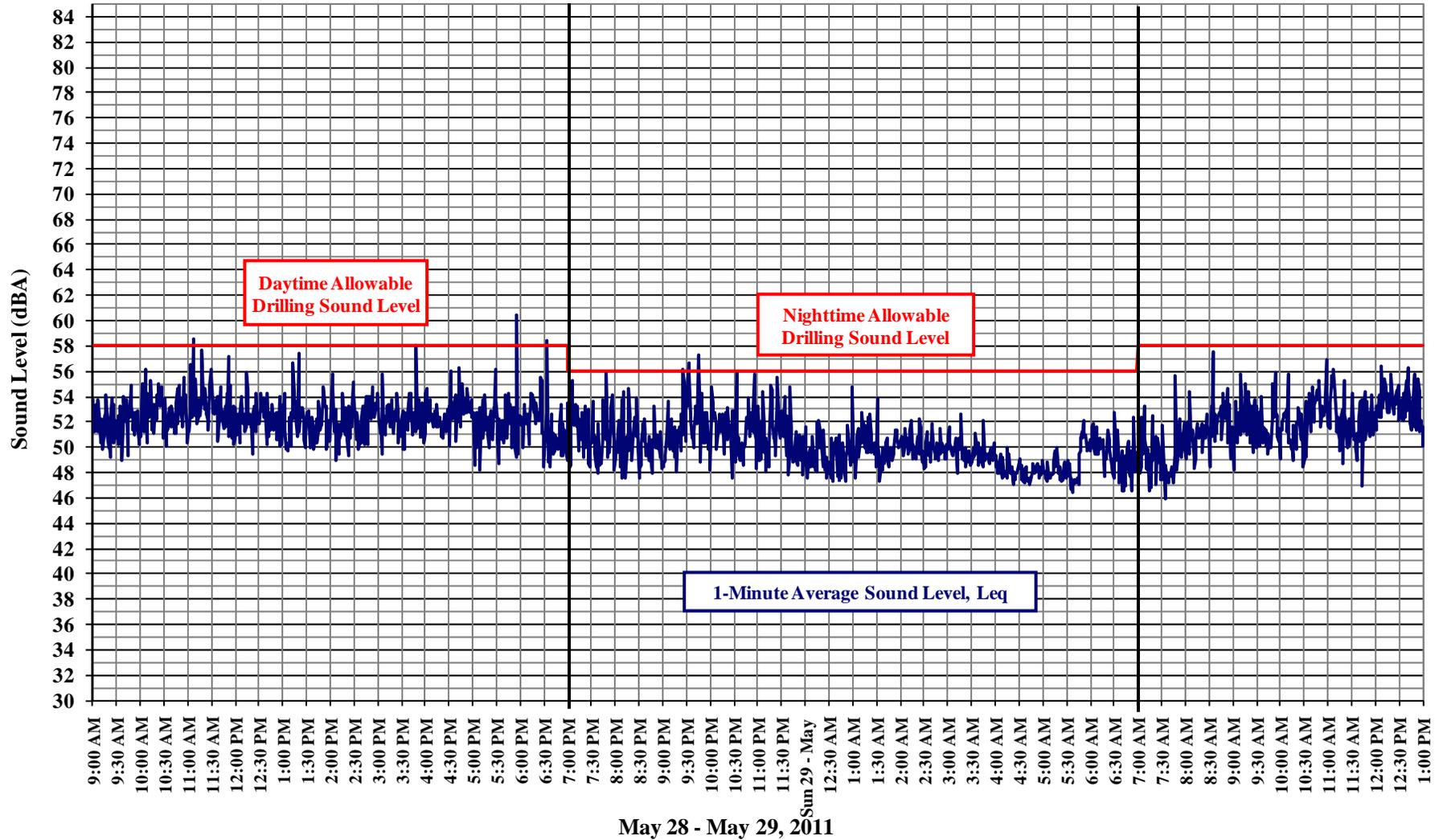


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



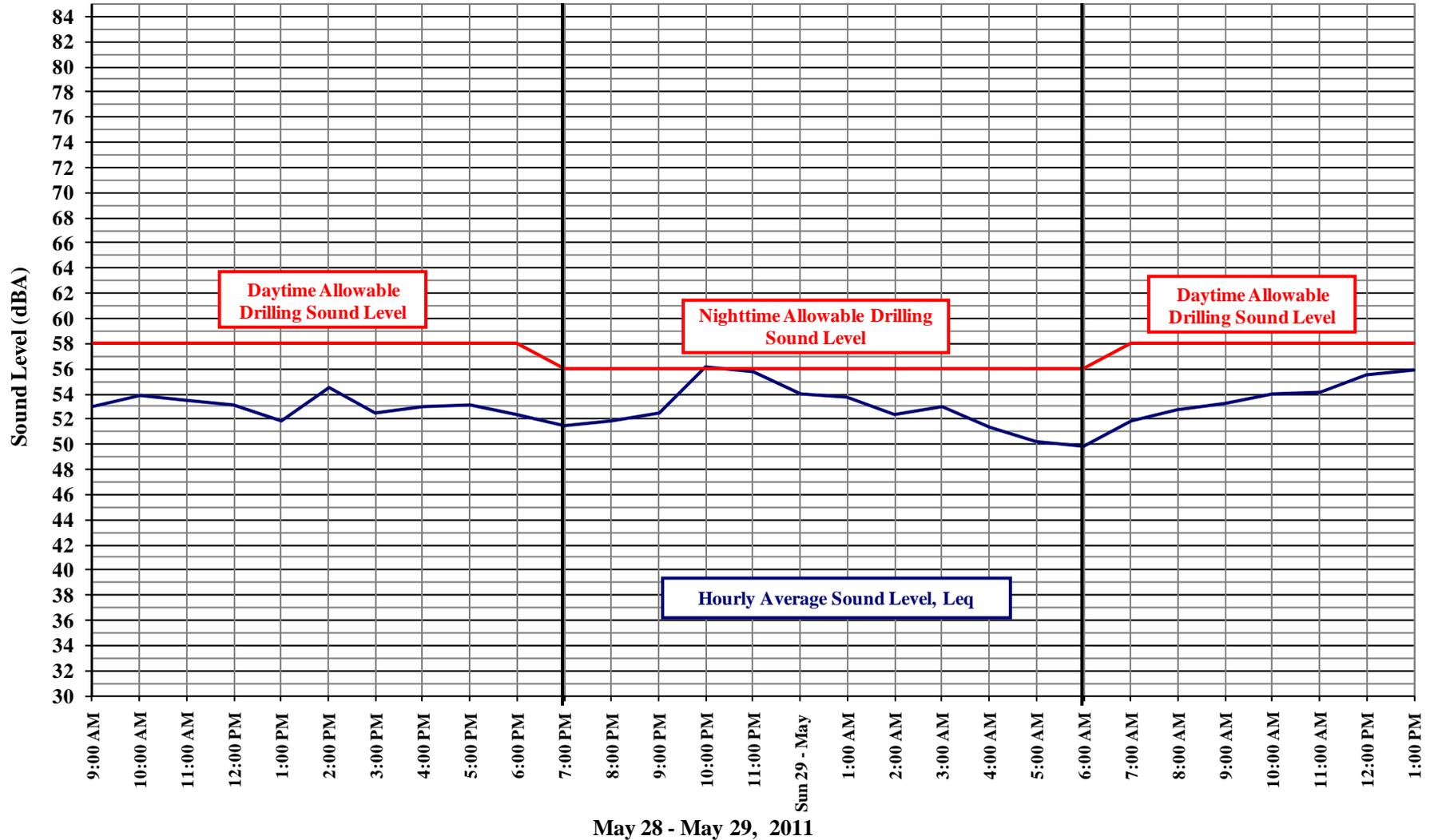


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



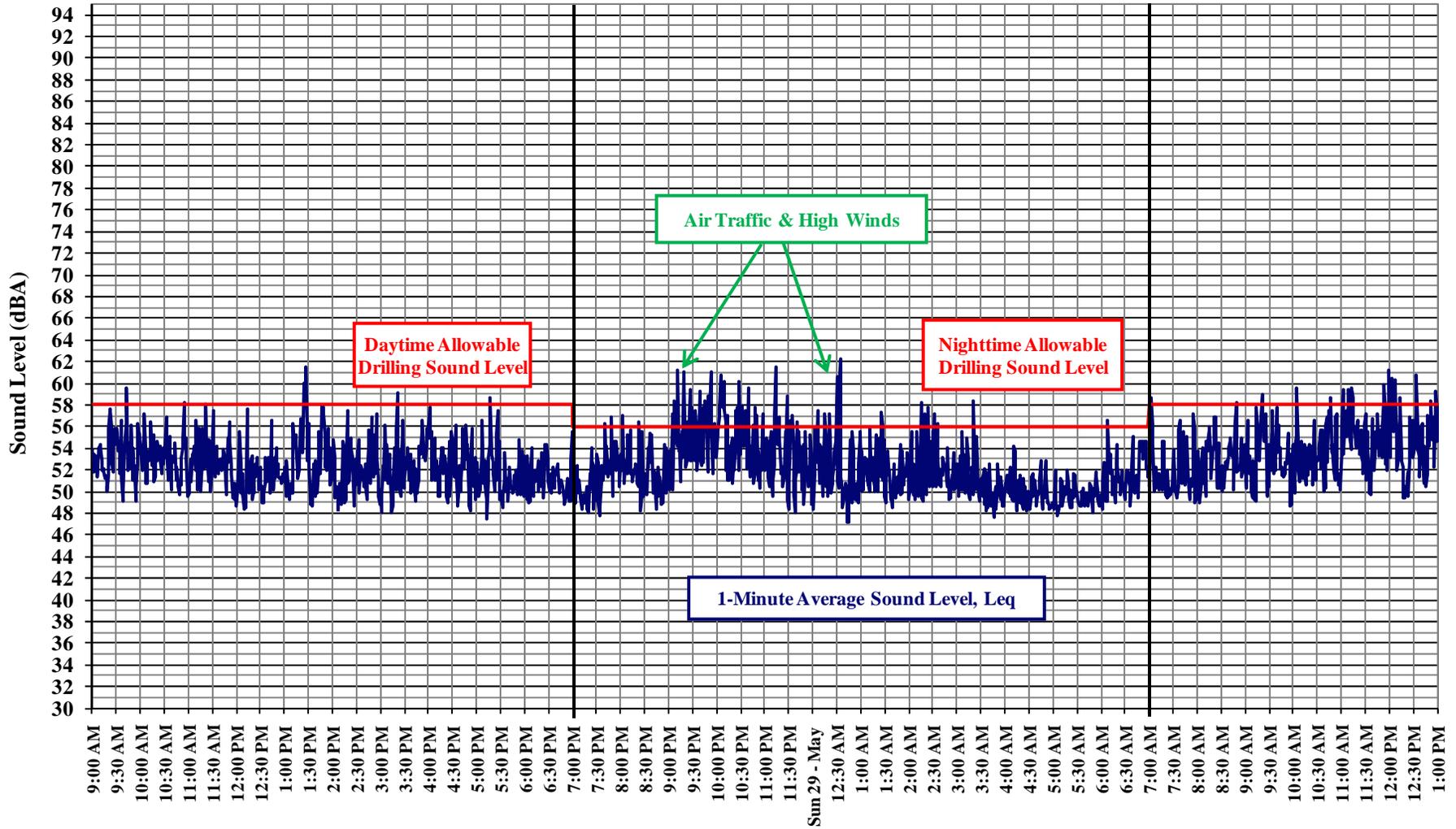


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



May 28 - May 29, 2011

# Behrens and Associates, Inc.

*Environmental Noise Control*



May 30, 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, May 29, to Monday, May 30, 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 high winds as the cause of the elevated sound levels.

Please contact me if you have any questions or comments.

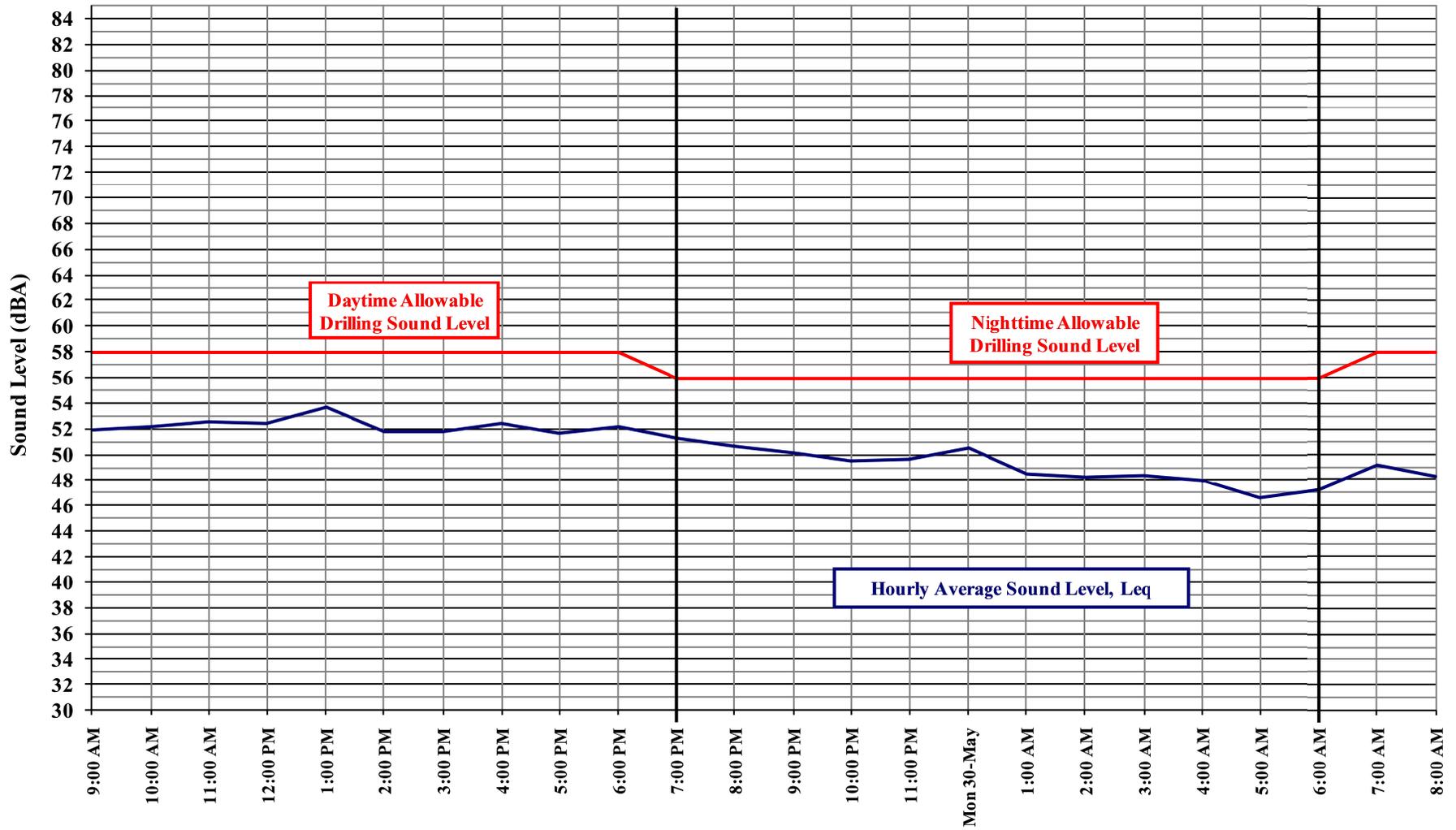
Very truly yours,

Don Behrens  
President  
95-4460624

Attachments



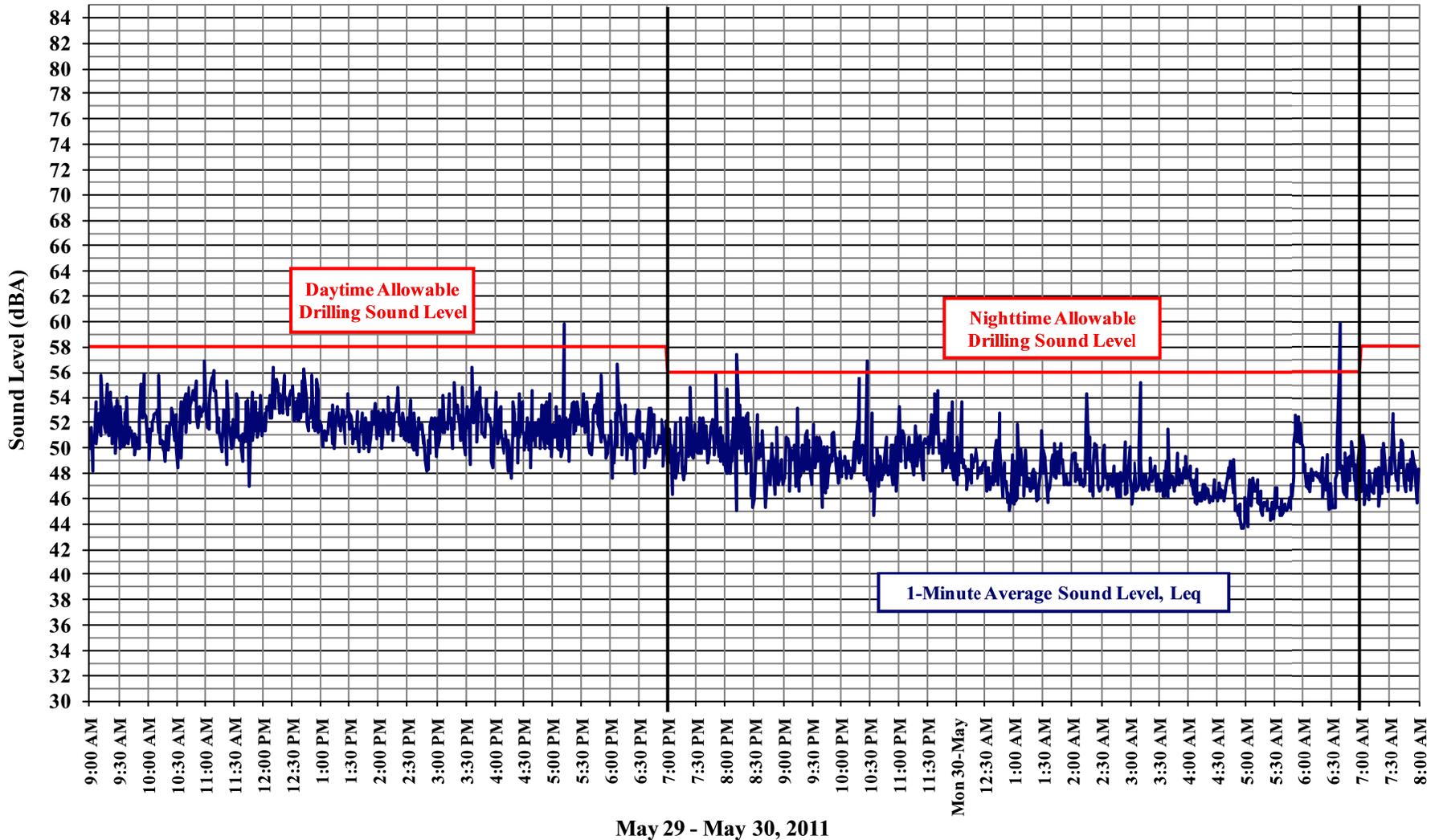
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 29 - May 30, 2011

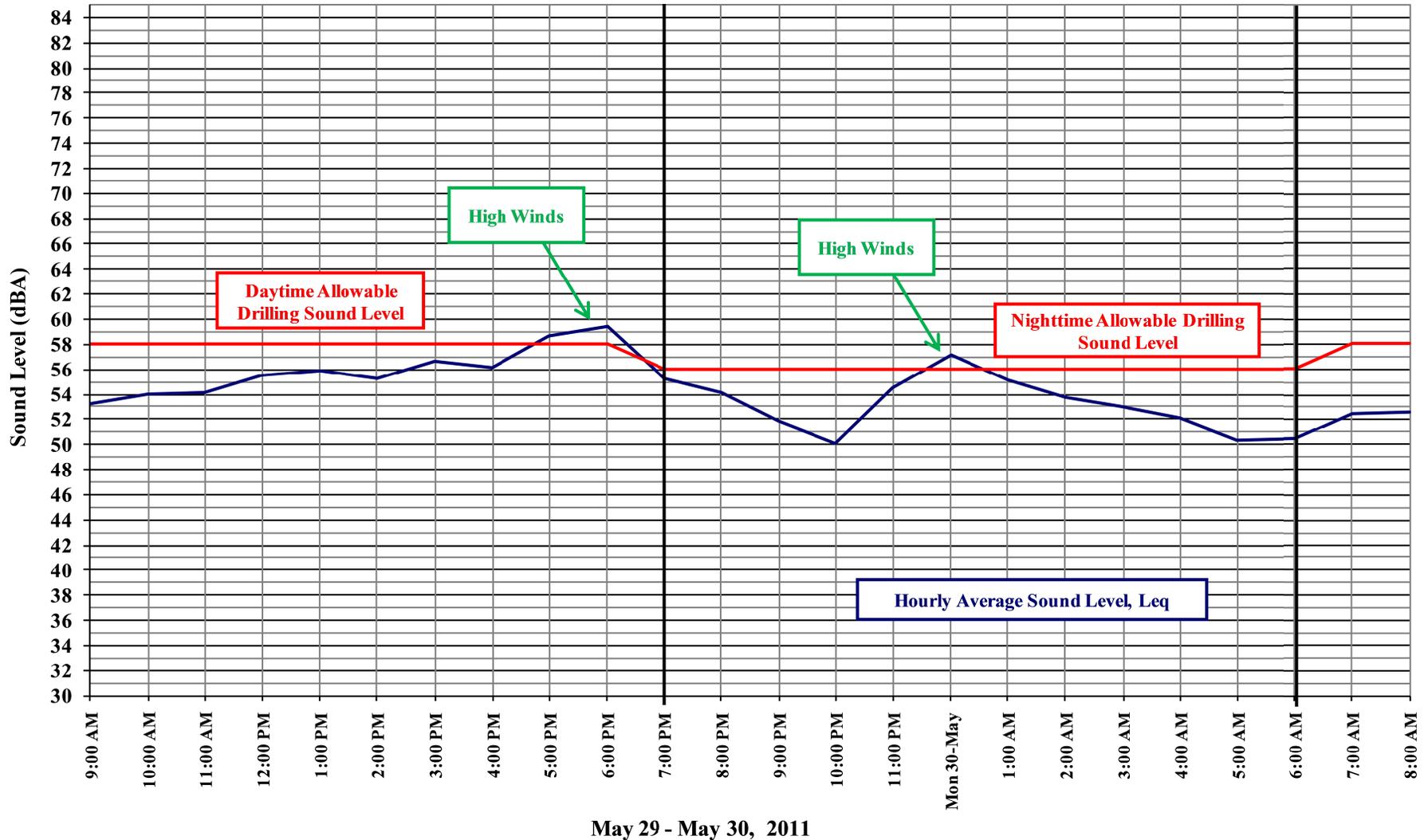


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



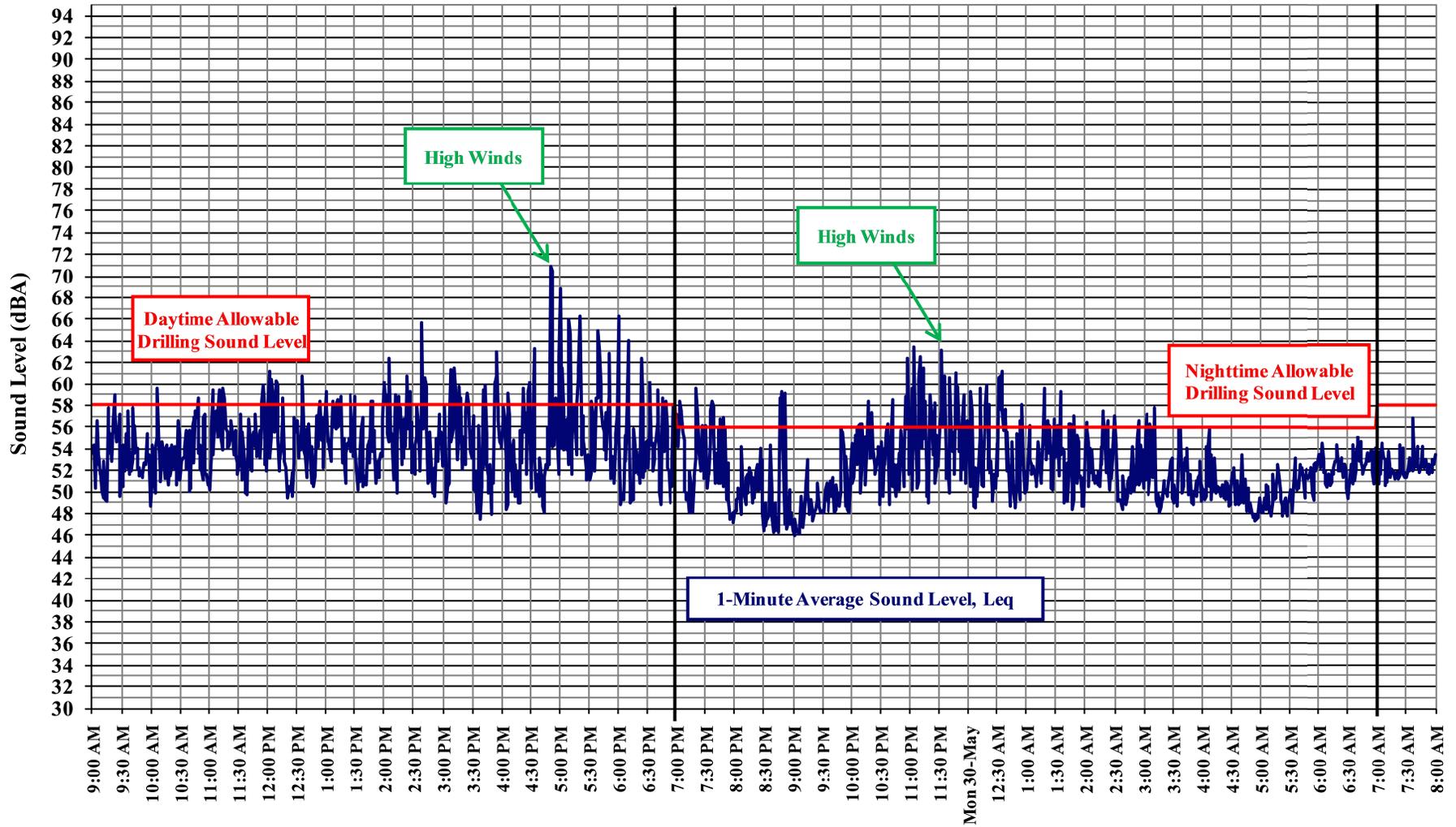


## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring





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



May 29 - May 30, 2011

# **Behrens and Associates, Inc.**

*Environmental Noise Control*



May 31, 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, May 30, to Tuesday, May 31, 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.

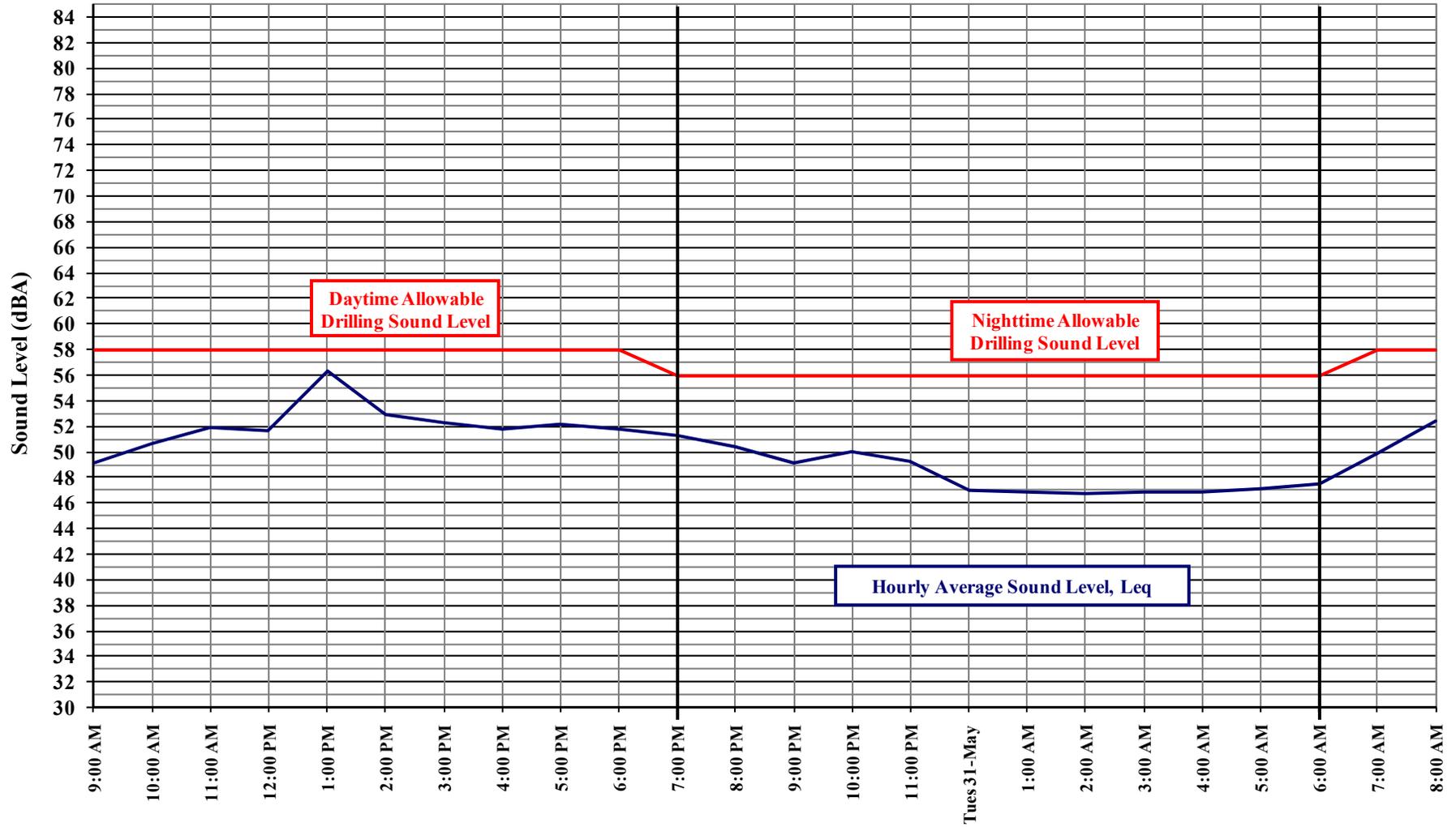
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Don Behrens  
President  
95-4460624

Attachments



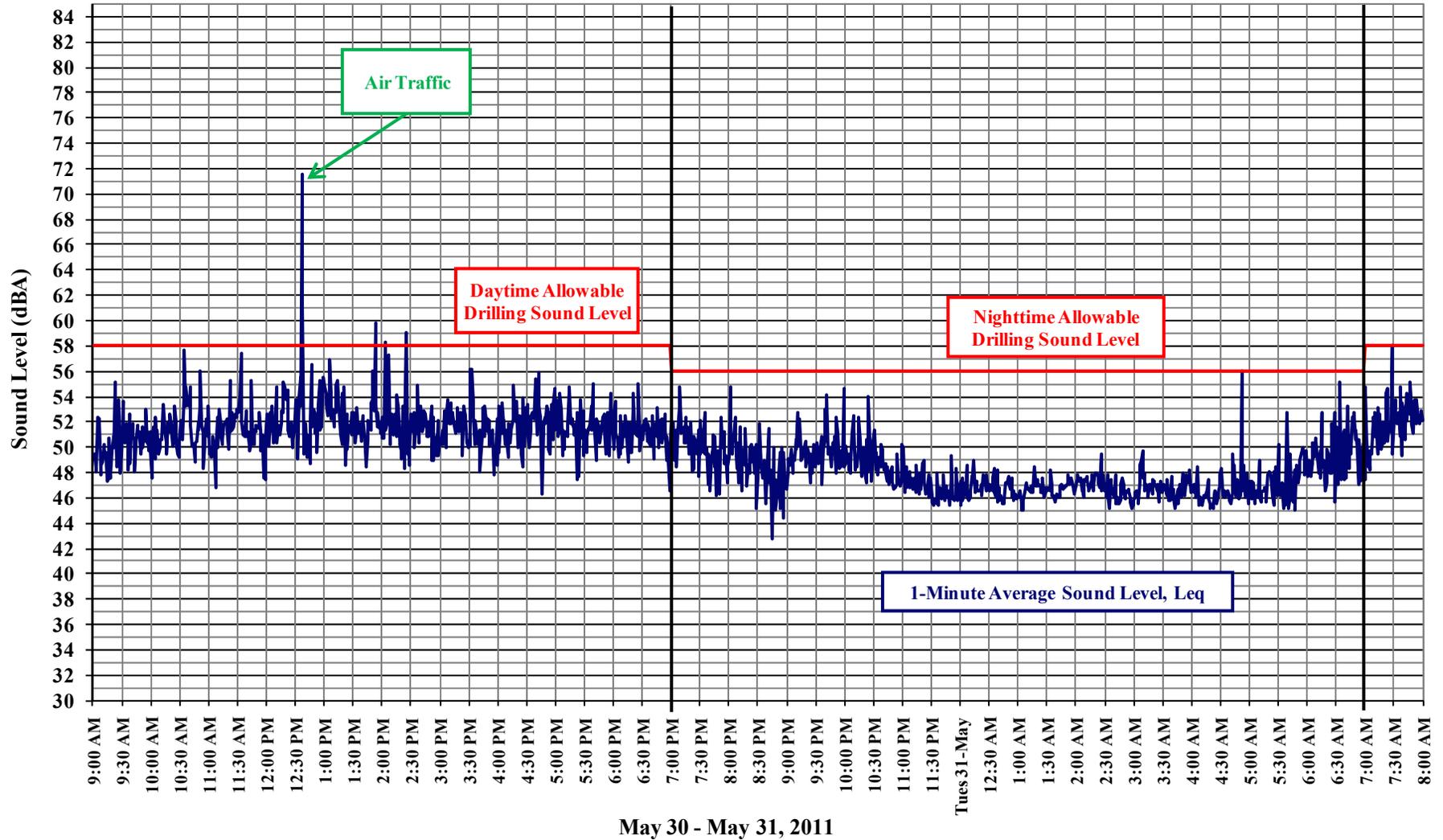
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 30 - May 31, 2011

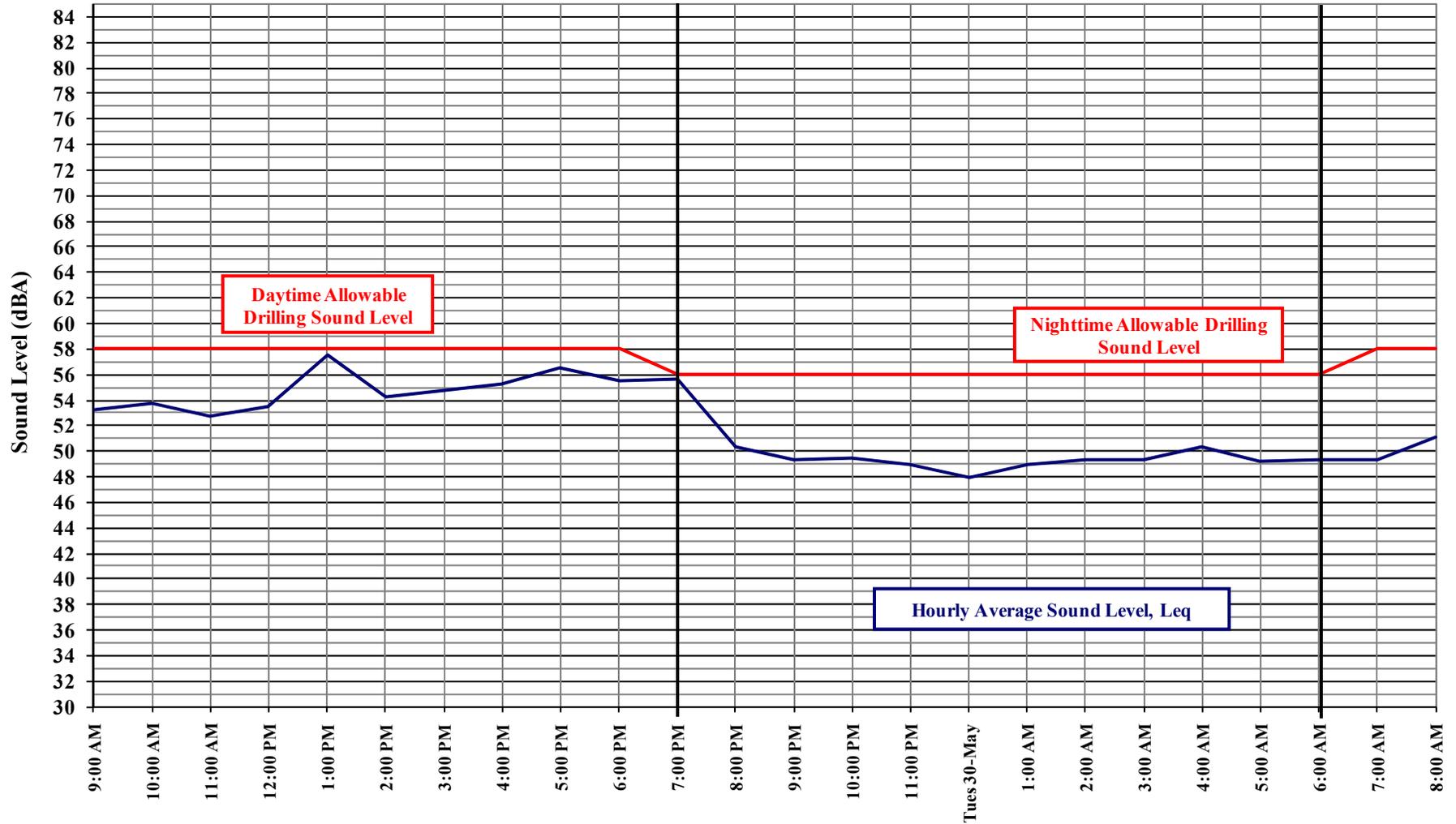


## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring





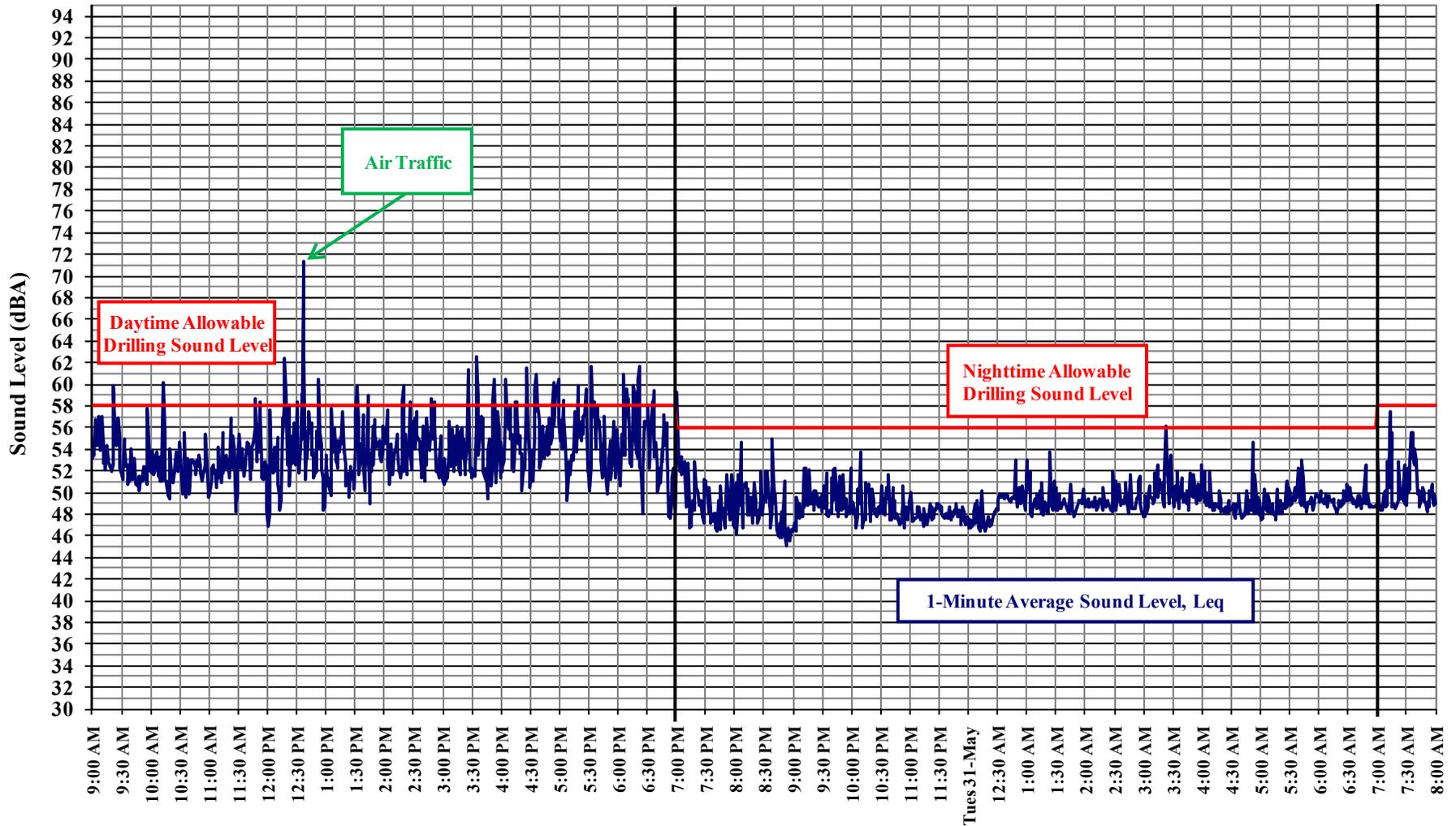
## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



May 30 - May 31, 2011



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



May 30 - May 31, 2011

# **Behrens and Associates, Inc.**

*Environmental Noise Control*



June 1, 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, May 31, to Wednesday, June 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).

Please contact me if you have any questions or comments.

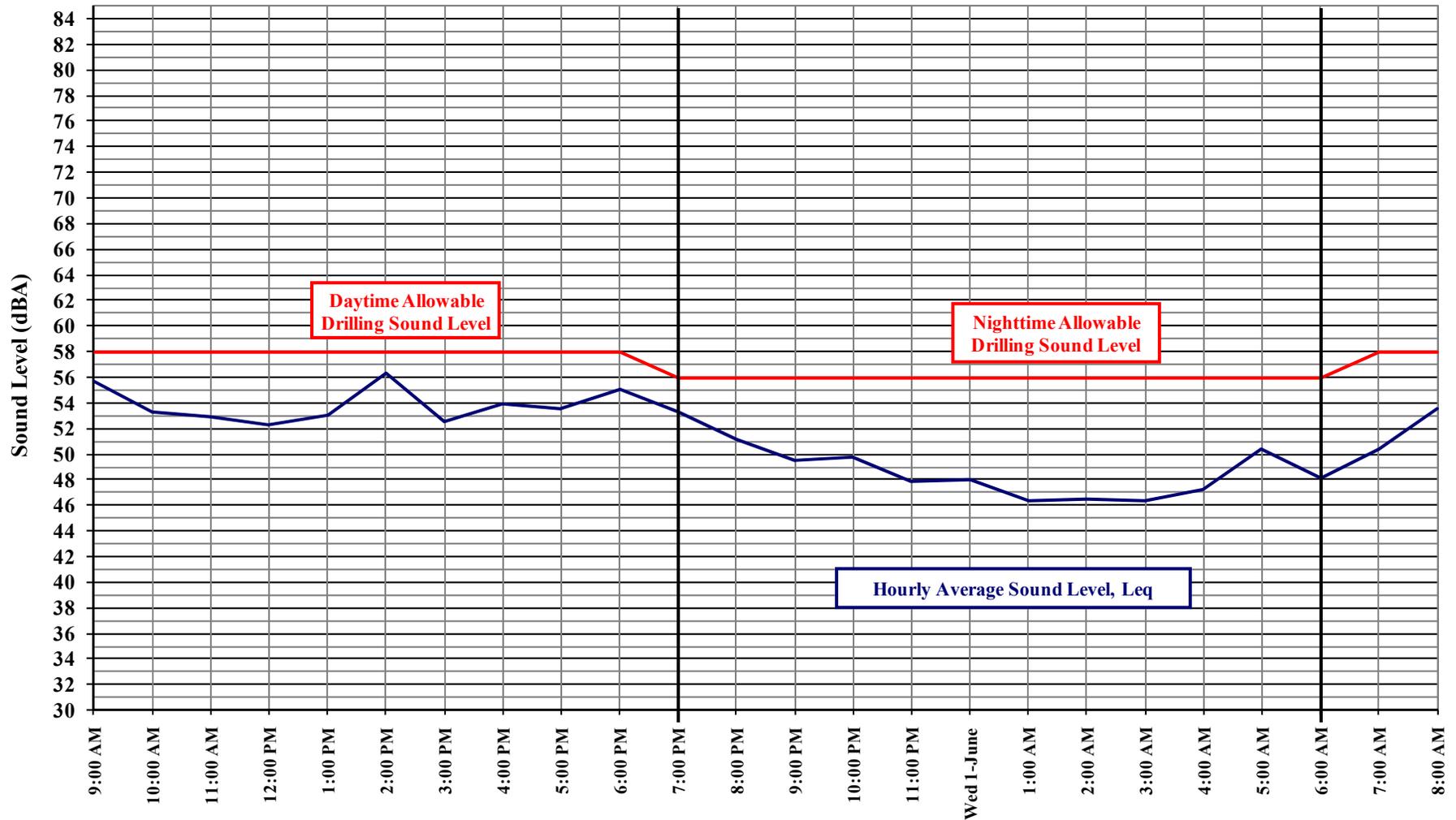
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Don Behrens  
President  
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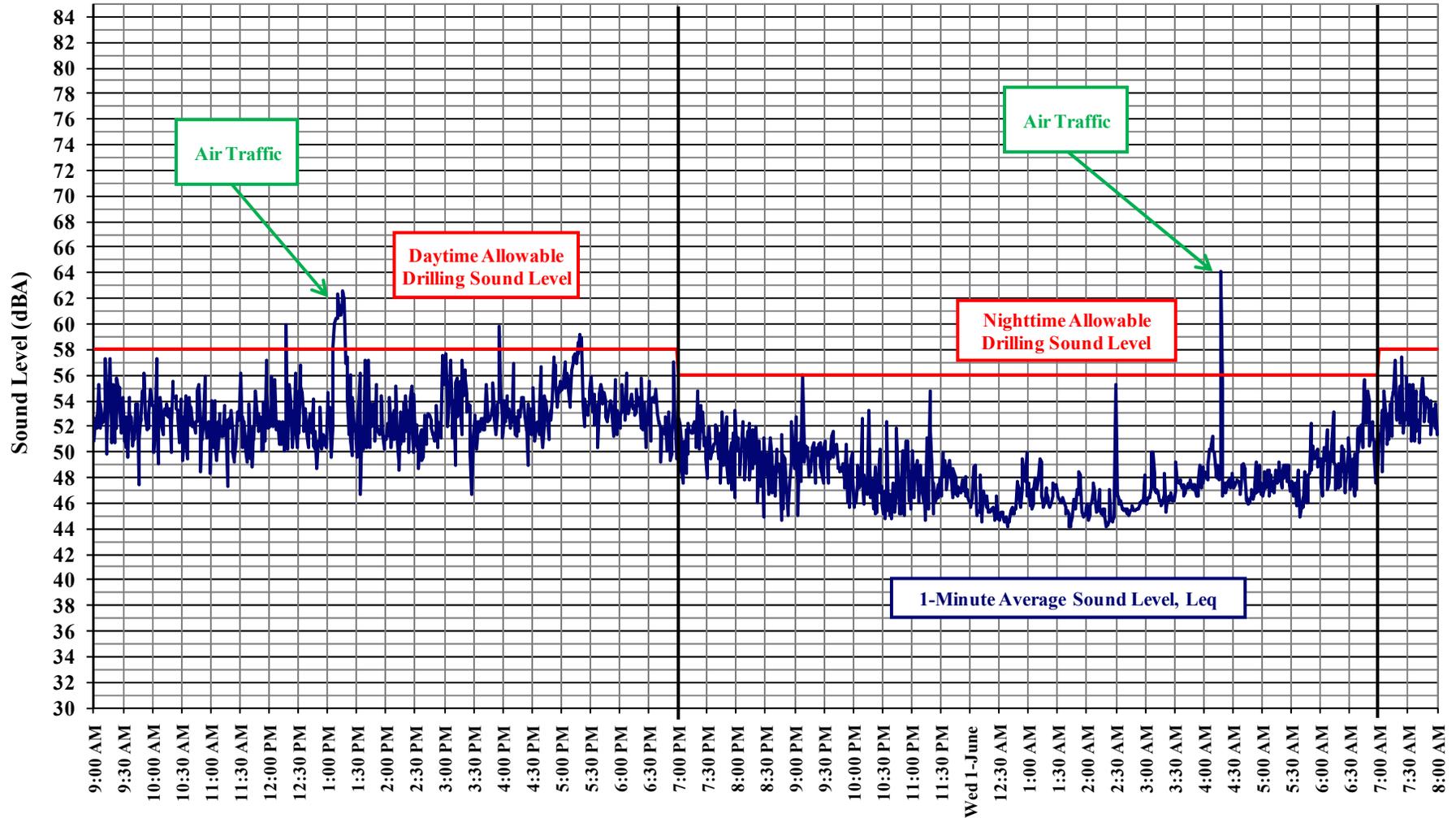
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 31 - June 1, 2011



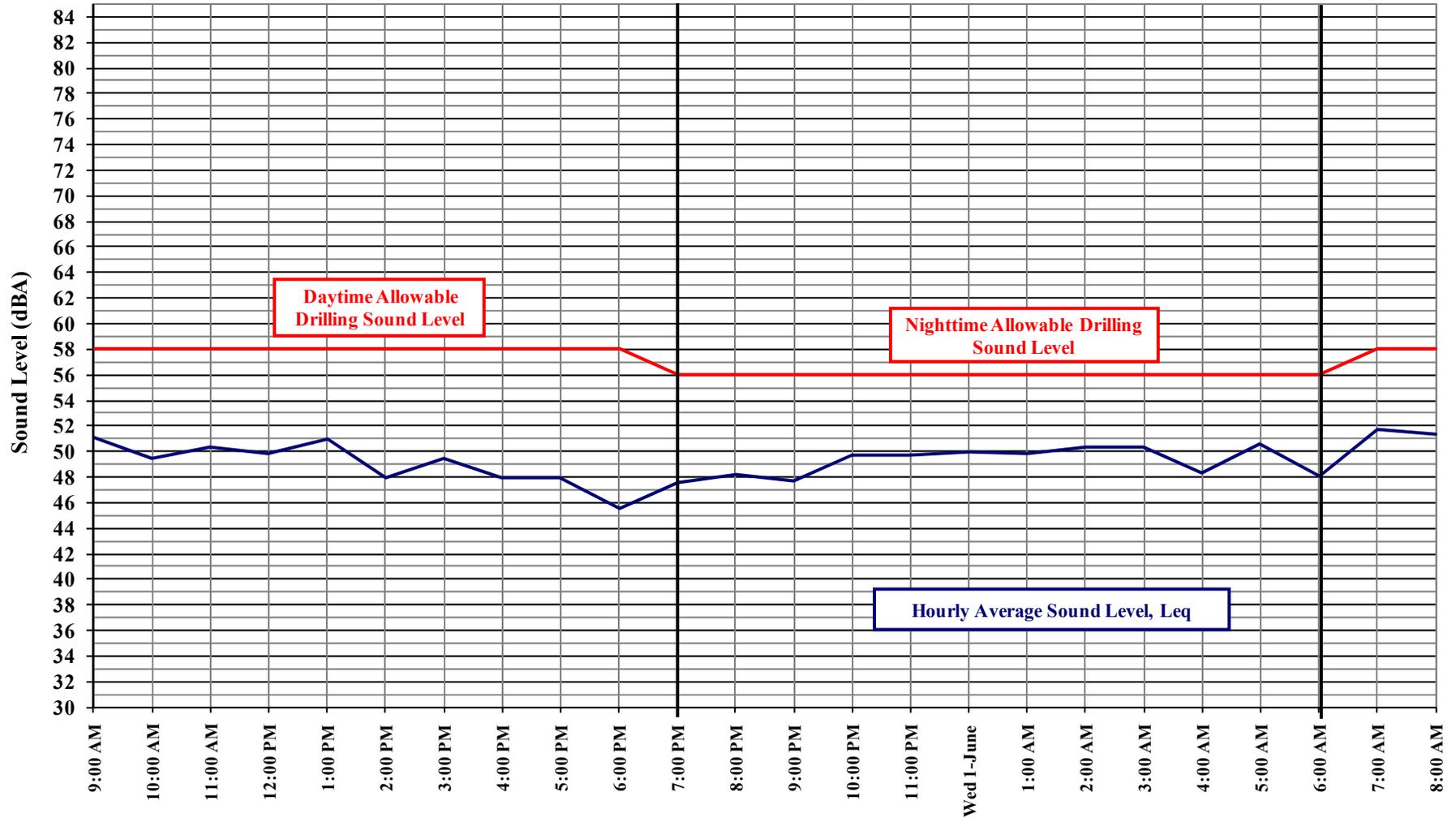
## Titan Operating TCC 1H Drill Site - Monitoring Location #1 Continuous Sound Level Monitoring



May 31 - June 1, 2011



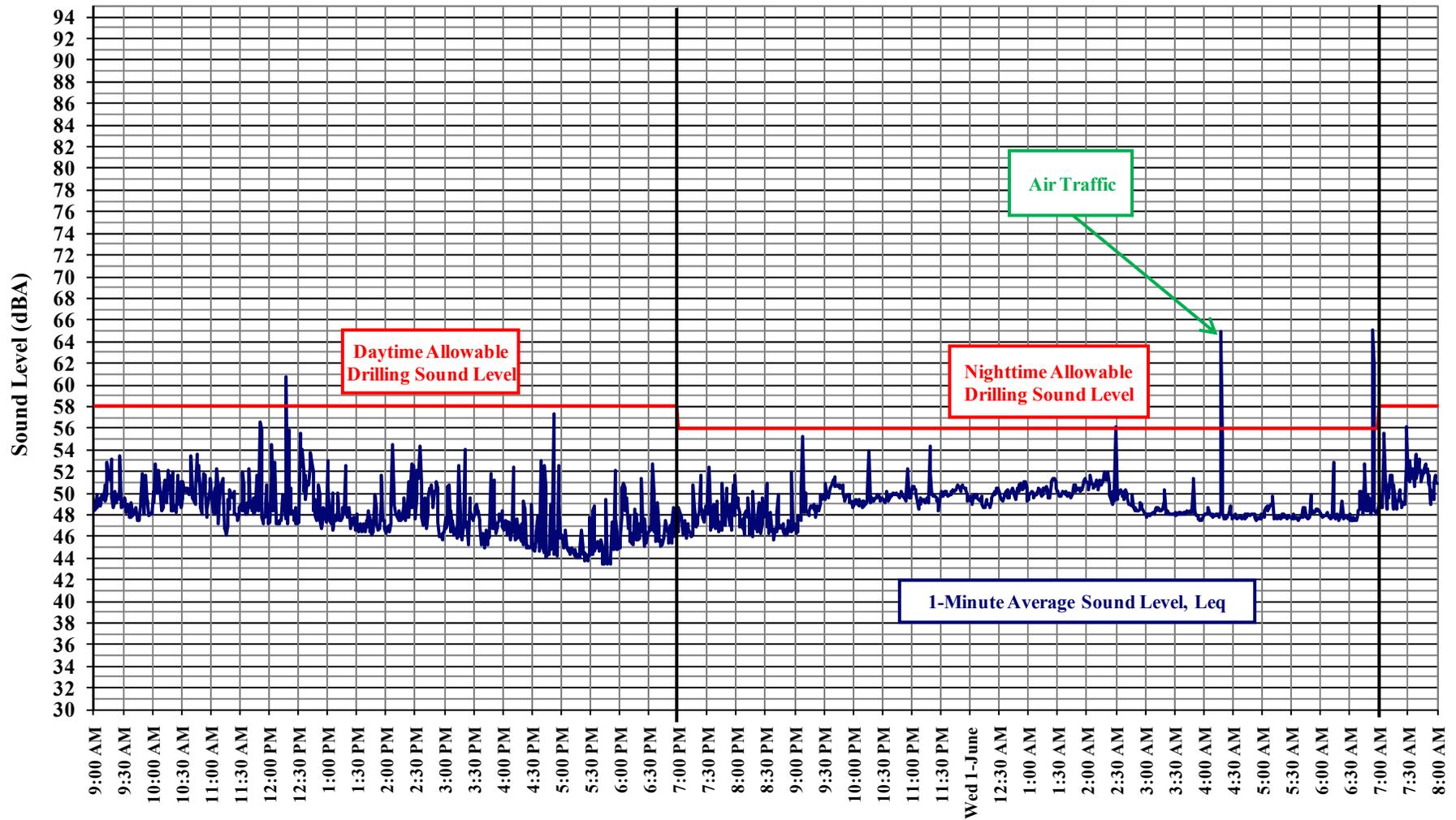
## Titan Operating TCC 1H Drill Site - Monitoring Location #2 Continuous Sound Level Monitoring



May 31 - June 1, 2011



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



May 31 - June 1, 2011