El Paso Natural Gas Company, L.L.C.
a Kinder Morgan company

November 5, 2026

Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Attention: Ms. Debbie-Anne A. Reese, Secretary

Re: El Paso Natural Gas Company, L.L.C.;
Docket No. CP24-520-000
Maricopa Lateral Expansion Project
Post-Construction Noise Report

Commissioners:

El Paso Natural Gas Company, L.L.C. ("EPNG") is hereby filing with the Federal Energy Regulatory Commission ("Commission") in Docket No. CP24-520-000, its post-construction noise report related to EPNG's Maricopa Lateral Expansion Project ("Project").

Description of Proceeding

On September 17, 2024, EPNG filed a prior notice request, pursuant to Section 7 of the Natural Gas Act ("NGA") and Sections 157.205, 157.208 and 157.210 of the Commission's Part 157 blanket certificate regulations, seeking authorization to construct, install, and operate the new Haystack Compressor Station and appurtenances to be located in Yavapai County, Arizona.[1] The Project is designed to provide an additional 50,517 dekatherms per day of firm transportation service to Maricopa County, Arizona.

Post-Construction Noise Report

In compliance with Section 157.206(b)(5)(ii) of the Commission's regulations, EPNG is providing a post-construction noise report following the in-service of Project facilities.[2] As noted in the attached noise report, post-construction noise monitoring was conducted on October 23, 2026. In summary, the attached noise report confirms that the post-construction, full-load sound level contributions of the new Haystack

[1] On October 1, 2024, the Commission issued a Notice of Request Under Blanket Authorization initiating the 60-day comment period. Protests to the Project were timely filed and not withdrawn during the reconciliation period. On July 24, 2025, the Commission issued an Order Denying Protest and Authorizing Construction under EPNG's blanket certificate. *See El Paso Natural Gas Company, L.L.C.*, 192 FERC ¶ 61,078 (2025).

[2] Project facilities were placed into service on September 5, 2026.

Compressor Station are below the Commission's limit of 55 dBA L_{dn} at the closest noise sensitive areas.

Filing Information

EPNG is e-Filing this letter and noise report with the Commission's Secretary in accordance with the Commission's Order No. 703, *Filing Via the Internet*, guidelines issued on November 15, 2007 in Docket No. RM07-16-000.

Respectfully submitted,

EL PASO NATURAL GAS COMPANY, L.L.C.

By /s/
Francisco Tarin
Director, Regulatory

Enclosures
Cc: Ms. Sareh Poormahdi, OEP

HAYSTACK COMPRESSOR STATION
(YAVAPAI COUNTY, ARIZONA)

RESULTS OF A POST CONSTRUCTION SOUND SURVEY

Submitted To: **Kinder Morgan**

Submitted By: **Hoover & Keith Inc.**
11391 Meadowglen, Suite D
Houston, TX 77082, USA

Project No.	Report Number	Revision	Date	By
5718	4895	1	November 5, 2026	S. Keith

REPORT SUMMARY

This report details the results of a post-construction sound survey for the **Haystack Compressor Station** ("Station"). The purpose of the acoustical analysis is to document the sound levels at the nearby noise-sensitive areas (NSAs), such as schools, hospitals, and residences, and compare the resulting sound levels to the applicable sound level requirements.

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1. Introduction

In this report, **Hoover & Keith Inc.** ("H&K") presents the results of an acoustical survey after an installation of a CAT 3616 ("CAT") at the Haystack compressor station, a new natural gas compressor station (referred to as "Station" in the report). The purpose of the acoustical analysis is to document the sound levels at the nearby noise-sensitive areas ("NSAs"), such as schools, hospitals, and residences, and compare the resulting sound levels to the applicable sound level requirements.

1.1. Description of the Site

Figure 1 (**Appendix A**) is an area layout around the Station showing the nearby NSAs, location of the Station, and other areas of interest. **Figure 2** (**Appendix A**) provides a more detailed area layout around the Haystack Compressor Station showing the property boundary of the Station. The Station is in Yavapai County, Arizona, ~5 miles northeast of Chino Valley, AZ. The land surrounding the Station is primarily desert. The closest NSAs to the Station consist of a residence located approximately ~2,700 feet SE of the Station, a residence located approximately ~3,500 feet SE of the Station, and a residence located approximately ~2,735 feet SW of the Station.

2. Noise Criteria

2.1. FERC Noise Criterion

Conditions set forth by the Office of Energy Projects ("OEP") of the Federal Energy Regulatory Commission ("FERC") require that the sound level attributable to the Station operating at full load not exceed a day-night average A-weighted

("A-wt.") sound level (*i.e.*, Ldn) of 55 dBA at any nearby NSA. For a steady sound source, such as a compressor station, which operates continuously and controls the environmental sound level, the day-night sound level ("Ldn") is 6.4 dB above the measured equivalent continuous sound level ("Leq"). Consequently, an Ldn of 55 dBA can be achieve if the sound level due to the Station operation does not exceed 48.6 dBA Leq.

2.2. Local or State Noise Regulations

We are unable to locate any local or state noise regulations that are applicable for the Station.

3. Sound Survey.

A sound level survey was performed by Shelly Keith of H&K on October 23, 2026. All measurements were conducted with a Norsonic model Nor 145 sound pressure level meter set on a tripod with the microphone approximately 1.5 m above the ground. The meter calibration was checked before measurement period and no calibration drift was observed. The measurement period was 1 minute per sample and the meter was stopped to limit the noise of automobiles driving by and small planes & helicopters flying directly overhead.

The measured sound pressure levels that were conducted at the nearest NSA location to the site, meteorological conditions, and our observations are given in **Tables B1** through **B3** in **Appendix B**.

Table 1 shows the current equipment at the Station.

Unit	Model	Rated HP	In Service Date
1A	CAT 3616	5,000	9/5/26

Table 1: Current Equipment at the Station

Below is a summary of the measured A-wt sound levels and estimated Ldn at the designated NSAs in **Table 2.**

NSA	Distance and Direction	Averaged of Measured (dBA)	Area Development	Assigned Post-Construction Sound Level Ldn (dBA) *Note 1	Exceed Noise Criterion
NSA #1 (Residences)	~2,700-ft SE	38.3	Very Quiet Suburban and Rural Residential	40.3	No
NSA #2 (Residences)	~3,500-ft SE	33.7	Very Quiet Suburban and Rural Residential	35.7	No
NSA #3 (Residences)	~2,735-ft SW	32.9	Very Quiet Suburban and Rural Residential	34.9	No

Note: 1 - Quantities and Procedures for Description and Measurement of Environmental Sound. Part3: Short-term measurements with an observer present, ANSI/ASA Standard S12.9 Part 3, Table 2 in Appendix D.

Table 2: Summary of Measured A-Wt. Sound Levels and Estimated Ldn at the Designated NSAs

The operation of the compressor unit during the time of the measurements are given in **Table 3**.

Parameter	Unit #: 1A
Engine Speed	836 RPM
Suction Pressure	825.2 psig
Flow Rate	198.7 MMcfd
Discharge Pressure	103.8 psig
Engine Speed/ rpm/ BHP	3,135.4 rpm
% Torque	75
Recycle % Open	0
Is there a Strainer	No

Table 3: Operational Parameters of the Gas Compressor During the Sound Level Survey on October 23, 2026.

4. Conclusion

The results of the Station sound level survey indicate that the sound levels at the nearest existing NSAs are below anLdn of 55 dBA. Since the measured levels are a combination of the sound produced by the Station and other unrelated environmental sources, we believe that these measurements demonstrate that the sound level due to the operation of the Station alone, is below the FERC certificate criterion of an Ldn 55 dBA.

5. Appendix A: Figures

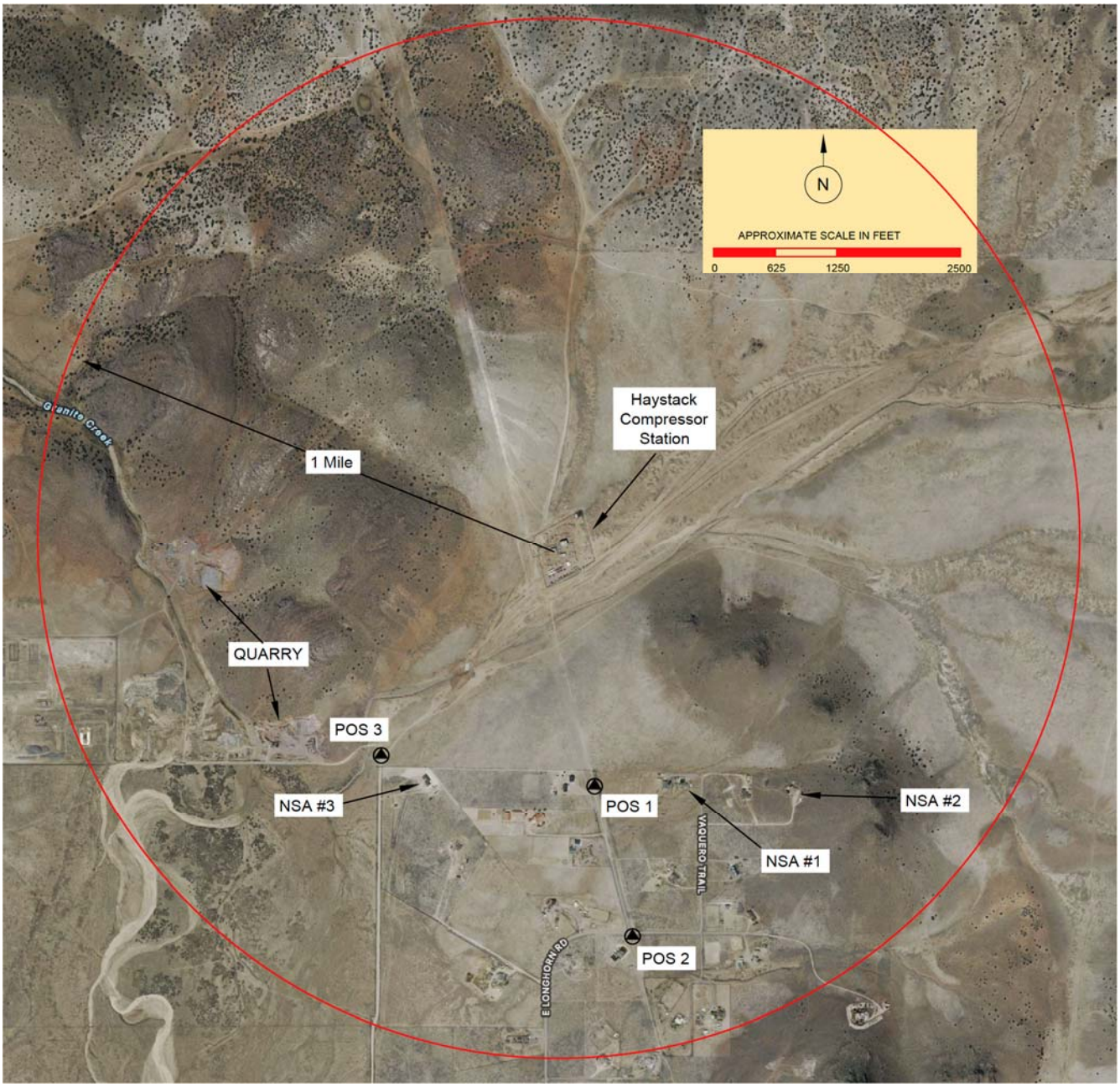


Figure 1 – Station Vicinity Map With Nearest NSAs

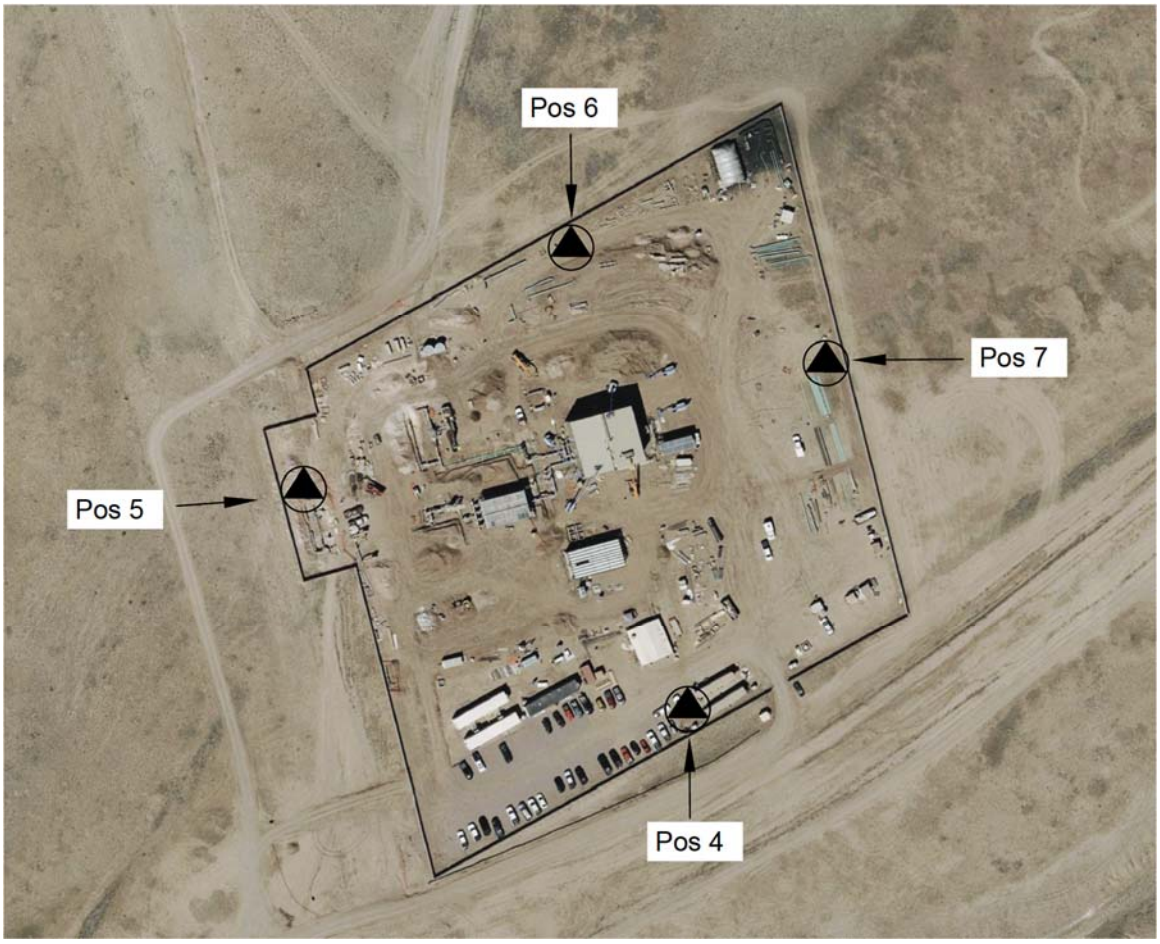


Figure 2 – Station Layout

6. Appendix B: Tables

Measurement Set			Meas'd/Calc'd A-Wt. Sound Levels (dBA)		
Meas. Pos. & NSA	Time Frame/Date of Tests		Day-time Leq(Ld)	Avg'd of Ld	Notes/Observations
Pos. 1	10:22 - 10:27 AM (Daytime) October 23, 2026		38.2 39.1 37.7	**38.3**	Primary noise: Distant Small Planes, Small Birds, Helicopter, Insects, Community, Ravens, Wind. The Station was audible during periods of lower background noise.
Pos. 2	10:41 – 10:42 AM (Daytime) October 23, 2026		34.2 33.5 33.7	**33.8**	Primary noise: Distant Small Planes, Helicopters, Insects, Community (target practice), Ravens, Wind, Backup Alarms, Horses, Wind in Grasses, Small Birds. The Station was audible during periods of lower background noise.
Pos. 3	10:54 - 10:57 AM (Daytime) October 23, 2026		33.9 32.8 32.1	**32.9**	Primary noise: Wind, Distant Small Planes, Backup Alarms, Horses, Small Birds, Roosters, Distant Dogs Barking, Wind, Station. The Station was not the dominate noise at this location.

Table B1: Haystack Compressor Station: Summary of Daytime A-Wt. Sound Levels (Ld) at the Closest NSAs

Measurement Set		Temp. (°F)	R.H. (%)	Wind Direction	Wind Speed	Peak Wind	Sky Conditions
Period/Conditions	Time Frame and Date of Tests						
Daytime Operation	9:30 AM to 10:57 AM (10-23-2026)	62.9	56	From South	2.3 mph	5.6 mph	Sunny / Partly Cloudy

Table B2: Haystack Compressor Station: Summary of the Meteorological Conditions during the Sound Tests

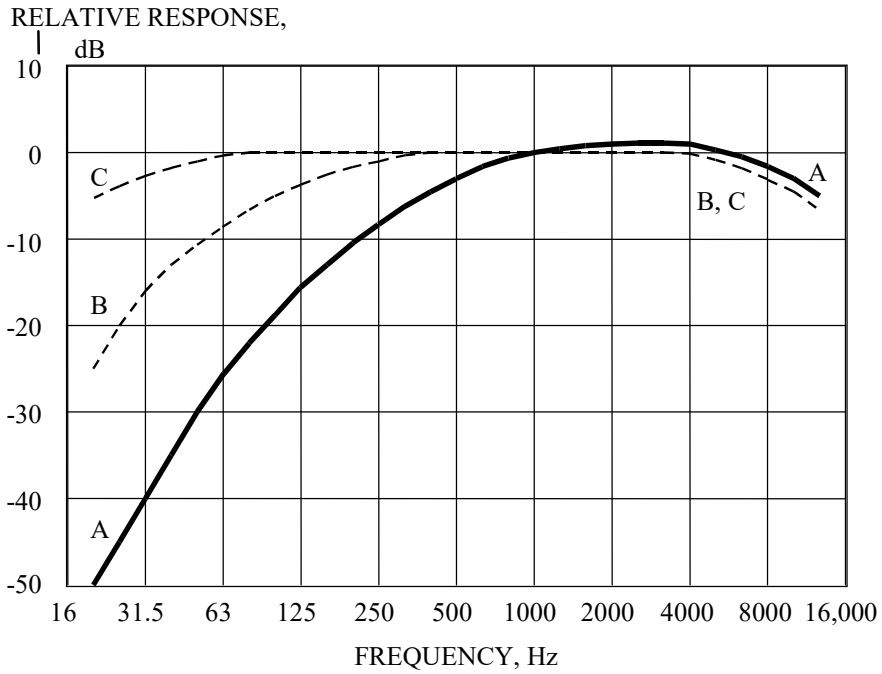
Measurement Set		Unweighted Sound Pressure Level (SPL) in dB per O.B. Frequency (in Hz)									A-Wt.
NSA & Conditions	Time of Test	31.5	63	125	250	500	1000	2000	4000	8000	Level
Pos. 1	10/23/2026 10:22:17 AM	57.9	54.7	47.9	42.8	32.6	28.6	19.3	16.2	14.1	38.2
	10/23/2026 10:26:38 AM	61.4	50.9	45.8	41.6	36.4	31.6	28.0	25.8	15.4	39.1
	10/23/2026 10:27:49 AM	63.5	51.5	44.0	42.0	34.8	29.0	21.6	15.5	13.3	37.7
	Avg. A-Wt. & SPL	**60.9**	**52.4**	**45.9**	**42.1**	**34.6**	**29.7**	**23.0**	**19.2**	**14.3**	**38.3**
Pos. 2	10/23/2026 10:41:14 AM	54.1	48.1	41.3	36.9	28.1	23.0	21.6	27.1	21.0	34.2
	10/23/2026 10:42:22 AM	51.8	48.8	44.5	37.2	26.6	22.9	16.3	21.4	15.1	33.5
	10/23/2026 10:42:22 AM	56.1	51.9	45.8	34.1	27.8	23.0	17.9	15.2	14.2	33.7
	Avg. A-Wt. & SPL	**54.0**	**49.6**	**43.8**	**36.1**	**27.5**	**23.0**	**18.6**	**21.2**	**16.7**	**33.8**
Pos. 3	10/23/2026 10:54:44 AM	51.2	48.3	45.3	38.2	28.4	20.7	17.3	14.1	12.8	33.9
	10/23/2026 10:56:25 AM	60.6	50.2	43.8	34.1	27.3	20.3	19.5	15.8	13.5	32.8
	10/23/2026 10:57:43 AM	56.2	50.0	43.9	33.2	26.6	20.5	15.9	13.0	12.4	32.1
	Avg. A-Wt. & SPL	**56.0**	**49.5**	**44.4**	**35.2**	**27.4**	**20.5**	**17.6**	**14.3**	**12.9**	**32.9**
Pos. 4	10/21/2026 9:30:29 AM	50.1	56.2	47.6	51.4	51.3	47.3	46.0	39.6	26.8	53.1
South	10/21/2026 9:33:25 AM	50.6	56.2	49.4	47.8	47.5	38.3	26.4	20.5	17.9	46.7
Fenceline	10/23/2026 9:41:31 AM	63.2	62.9	61.3	53.4	50.4	55.2	57.8	55.6	48.3	62.4
	Avg. A-Wt. & SPL	**54.6**	**58.5**	**52.8**	**50.9**	**49.8**	**46.9**	**43.4**	**38.5**	**31.0**	**54.0**
Pos 5	10/23/2026 9:42:54 AM	62.8	62.6	61.1	53.6	50.6	55.0	57.7	55.6	48.4	62.3
West	10/23/2026 9:44:03 AM	62.9	62.6	61.1	53.5	50.8	55.1	57.8	55.6	48.5	62.4
Fenceline	10/23/2026 9:47:38 AM	72.4	72.6	69.7	65.6	65.6	72.1	66.4	55.2	50.2	73.9
	Avg. A-Wt. & SPL	**66.0**	**65.9**	**64.0**	**57.6**	**55.7**	**60.7**	**60.6**	**55.5**	**49.0**	**66.2**
Pos 6	10/23/2026 9:49:47 AM	72.6	72.8	70.3	65.5	66.4	72.0	65.9	55.4	50.9	73.8
North	10/23/2026 9:50:58 AM	72.4	72.6	69.6	65.3	65.6	71.0	65.2	55.4	49.5	73.0
Fenceline	10/23/2026 9:54:56 AM	73.5	76.0	74.7	65.6	64.0	70.5	69.7	65.0	60.6	74.8
	Avg. A-Wt. & SPL	**72.8**	**73.8**	**71.5**	**65.4**	**65.4**	**71.2**	**66.9**	**58.6**	**53.7**	**73.9**
Pos 7	10/23/2026 9:56:59 AM	73.4	75.9	74.5	65.5	64.4	70.9	70.6	65.7	61.5	75.4
East	10/23/2026 9:58:22 AM	73.5	76.5	74.7	65.5	64.4	70.4	69.9	64.9	60.9	74.9
Fenceline	10/23/2026 10:20:50 AM	55.0	53.4	47.9	38.7	33.8	27.6	18.3	13.7	13.2	37.0
	Avg. A-Wt. & SPL	**67.3**	**68.6**	**65.7**	**56.6**	**54.2**	**56.3**	**52.9**	**48.1**	**45.2**	**62.4**

Table B3: Measured Daytime A-Wt. Sound Levels (Ld) and Unweighted O.B. SPLs at the Closest NSAs

7. Appendix C: Summary of Typical Metrics for Regulating Environmental Noise & Acoustical Terminology

(1) A-Weighted Sound Level (dBA, Lpa): The A-wt. sound level is a single-figure sound rating, expressed in decibels (Re 20 μPa), which correlates to the human perception of the loudness of sound. The dBA level is commonly used to measure industrial and environmental noise since it is easy to measure and provides a reasonable indication of the human annoyance value of the noise. The dBA measurement is not a good descriptor of a noise consisting of strong low-frequency components or for a noise with tonal components. The A-weighted curve approximates the response of the average ear at sound levels of 20 to 50 decibels. The following are the relative response of A-weighted filter per octave band frequency, and a graph/curve is provided that shows a graphical representation of the A-wt. filter response per frequency (in Hertz [“Hz”]).

31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz	16,000 Hz
-39.4 dB	-26.2 dB	-16.1 dB	-8.6 dB	-3.2 dB	0 dB	+1.2 dB	+1.0 dB	-1.1 dB	-6.6 dB



(2) Daytime Sound Level (Ld) & Nighttime Sound Level ("Ln"): Ld is the equivalent A-weighted sound level, in decibels, for a 15-hour time period, between 07:00 to 22:00 Hours (7:00 a.m. to 10:00 p.m.). Ln is the equivalent A-weighted sound level, in decibels, for a 9-hour time period, between 22:00 to 07:00 Hours (10:00 p.m. to 7:00 a.m.).

(3) Day-Night Average Sound Level ("Ldn"): The Ldn is an energy average of the measured daytime Leq ("Ld") and the measured nighttime Leq ("Ln") plus 10 dB. The 10-dB adjustment to the Ln is intended to compensate for nighttime sensitivity. As such, the Ldn is not a true measure of the sound level but represents a skewed average that correlates generally with past sound surveys which attempted to relate environmental sound levels with physiological reaction and physiological effects. For a steady sound source that operates continuously over a 24-hour period and controls the environmental sound level, an Ldn is approximately 6.4 dB above the measured Leq. If both the Ld and Ln are measured, then the Ldn is calculated using the following formula:

$$L_{dn} = 10\log_{10}\left(\frac{15}{24}10^{L_d/10} + \frac{9}{24}10^{(L_n+10)/10}\right)$$

Quantities and Procedures for Description and Measurement of Environmental Sound. Part3: Short-term measurements with an observer present, ANSI/ASA Standard S12.9 Part 3, Table 2 in Appendix D

TABLE 2. A-weighted day, night, and day–night average sound levels in decibels and corresponding approximate population densities in people per square kilometer.[a]

Land use category	DNL range	Typical DNL	Day level	Night level	Approximate population density	
1. Very noisy urban	> 67	70	69	61	63 840	24 650
2. Noisy urban residential	62 to 67	65	64	57	20 000	7722
3. Urban and noisy suburban residential	57 to 62	60	58	52	6384	2465
4. Quiet urban and normal suburban residential	52 to 57	55	53	47	2000	772
5. Quiet suburban residential	47 to 52	50	48	42	638	247
6. Very quiet suburban and rural residential	< 47	45	43	37	200	77

[a]Based on data from all entries in Appendix A. The basic formula for relating population density, ρ, to day–night average sound level, L_{dn}, is given in Eq. (12) as $L_{dn} = 10\lg(\rho) + 22$.

(4) Decibel ("dB"): A unit for expressing the relative power level difference between acoustical or electrical signals. It is ten times the common logarithm of the ratio of two related quantities that are proportional to power. When adding dB or dBA values, the values must be added logarithmically. For example, the logarithmic addition of **35 dB** plus **35 dB** is **38 dB**. The units for the sound level is dB the value of which is determined by:

$L_p = 20 \log (p/p_r)$

Where; p is the acoustic pressure at a specified location in Pascals.
p_r is the base or reference pressure standardized at 20 micropascals

(5) Dynamic Insertion Loss ("DIL"): The total sound attenuation due to the installation of the in-line muffler at the actual service flow and temperature and includes the self-noise generated by the flow through the muffler.

(6) Equivalent Sound Level ("Leq"): The Leq can be considered an average sound level measured during a period of time, including any fluctuating sound levels during that period. In this report, the Leq is equal to the level of a steady (in time) A-weighted sound level that would be equivalent to the sampled A-weighted sound level on an energy basis for a specified measurement interval. The concept of the measuring Leq has been used broadly to relate individual and community reaction to aircraft and other environmental noises.

(7) Octave Band ("O.B.") SPL: Sound is typically measured in frequency ranges (e.g., high-pitched sound, low-pitched sound, etc.) that provides a more meaningful characterization. Octave band sound emission spectra are sufficient for this type of assessment to account for the effects of the environmental influences. The resulting octave band sound pressure levels can then be used to evaluate the efficacy of proposed noise mitigation options. Standard octave bands from 31 Hz to 8000 Hz cover a frequency range of 22 Hz to 11200 Hz. The geometric mean frequency of standard octave frequency bands used in such analysis procedures are as follows:

Octave Frequency Range, Hz	Geometric Mean Frequency of Band, Hz
22-44	31
44-88	63
88-175	125
175-350	250
350-700	500
700-1400	1000
1400-2800	2000
2800-5600	4000
5600-11200	8000

(8) Sound Level Meter ("SLM"): An instrument used to measure sound pressure level, sound level, O.B. SPL, or peak SPL, separately or in any combinations thereof. The measured weighted SPL (dBA) is obtained by using a standard frequency-filter for attenuating part of the sound spectrum.

(9) Sound Power Level ("Lw" or "PWL"): Ten times the common logarithm of the ratio of the total acoustic power radiated by a sound source to a reference power. A reference power of a picowatt or 10^{-12} watt is conventionally used. The units for the sound power level are dB; the value of which is determined by:

$$Lw = 10 \log (W/W_r)$$

Where, W is the acoustic power radiated by the sound source in watts. W_r is the base or reference power standardized at 10^{-12} watts.

(10) Sound Pressure Level ("Lp" or "SPL"): Ten times the common logarithm to the base 10 of the ratio of the mean square sound pressure to the square of a reference pressure. Therefore, the SPL is equal to 20 times the common logarithm of the ratio of the sound pressure to a reference pressure (20 micropascals or 0.0002 microbar). The sound pressure level Lp, a measure of

the magnitude of the sound pressure at a specific receiver location. The units for the sound level are dB, the value of which is determined by:

$L_p = 20 \log (p/p_r)$

Where, p is the acoustic pressure at a specified location in Pascals. p_r is the base or reference pressure standardized at 20 micropascals.

Certificate of Service

I hereby certify that I have this day caused a copy of the foregoing documents to be served upon each person designated on the official service list compiled by the Commission's Secretary in this proceeding in accordance with the requirements of Section 385.2010 of the Federal Energy Regulatory Commission's Rules of Practice and Procedure.

Dated at Colorado Springs, Colorado as of this 5th day of November 2026.

/s/
Francisco Tarín

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