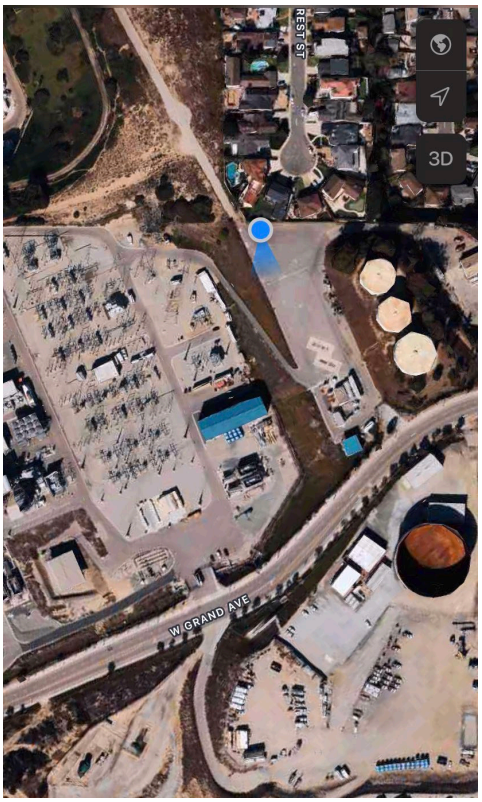
Appendix C

Noise Measurements and Modeling Data

Site Number: Long-Term – 1		
Recorded By: Zhe Chen, Dennis Dinh		
Job Number: 191844		
Date: 8/16/2023		
Time: 11:16 AM		
Location: Along the northeast section LADWP Scattergood Steam Plant; behind 337 Hillcrest Street		
Source of Ambient Noise: Activity from Scattergood Steam Plant		
Source of Peak Noise: Plane overhead		
Noise Data		
L_{dn} (dB)	**L_{Day}(dB)**	**L_{Night} (dB)**
62.7	58.5	55.8

Equipment					
Category	**Type**	**Vendor**	**Firmware Version**	**Serial No.**	**Note**
Sound	Sound Level Meter	**SoundTrack LxT**	**2.404**	**0006586**	**N/A**
Weather Data					
Est.	**Duration:** 24 hours		**Sky:** Cloudy		
	Note: dBA Offset = 0.00		**Sensor Height (ft):** 5 ft		
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**		**Barometer Pressure (inches)**	
	5 mph	73		29.93	

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.003.s	Computer's File Name	LxT_0006586-20230816 111624-LxT_Data.003.ldbin
Meter	LxT1 0006586		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2023-08-16 11:16:24	Duration	24:02:54.5
End Time	2023-08-17 11:19:18	Run Time	24:02:54.5
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	57.7 dB		
LAE	107.1 dB	SEA	--- dB
EA	5.6 mPa²h		
EA8	1.9 mPa²h		
EA40	9.4 mPa²h		
LZS_{peak}	115.0 dB	2023-08-16 18:15:01	
LAS_{max}	80.5 dB	2023-08-16 18:39:57	
LAS_{min}	51.5 dB	2023-08-17 09:45:55	
LA_{eq}	57.7 dB		
LC_{eq}	75.2 dB	LC_{eq} - LA_{eq}	17.5 dB
LAI_{eq}	58.3 dB	LAI_{eq} - LA_{eq}	0.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpeak > 135.0 dB	0	0:00:00.0
LZSpeak > 137.0 dB	0	0:00:00.0
LZSpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
62.7 dB	58.5 dB	0.0 dB

LDEN	LDay	LEve	LNight
63.2 dB	58.4 dB	59.1 dB	55.8 dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	57.7 dB		--- dB		--- dB	
$Ls_{(max)}$	80.5 dB	2023-08-16 18:39:57	--- dB		--- dB	
$LS_{(min)}$	51.5 dB	2023-08-17 09:45:55	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		115.0 dB	2023-08-16 18:15:01

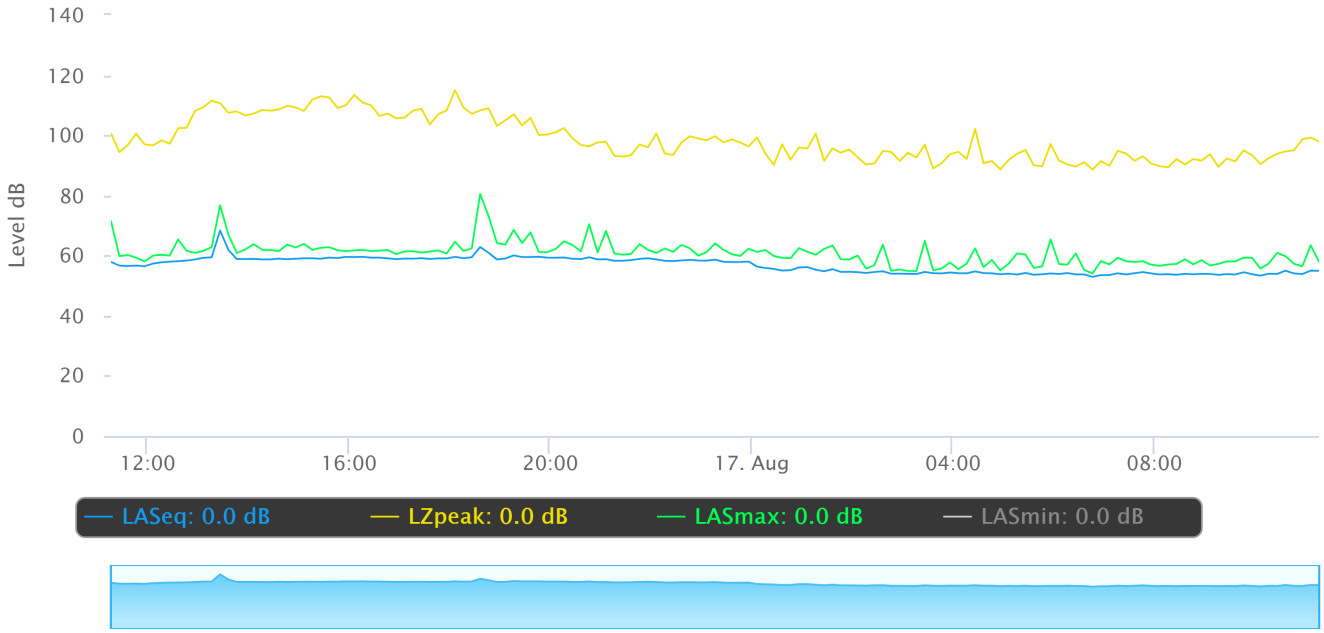
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	2725	5:32:44.4

Statistics

LAS 5.0	59.9 dB
LAS 10.0	59.5 dB
LAS 33.3	58.5 dB
LAS 50.0	57.2 dB
LAS 66.6	54.5 dB
LAS 90.0	53.4 dB

Time History



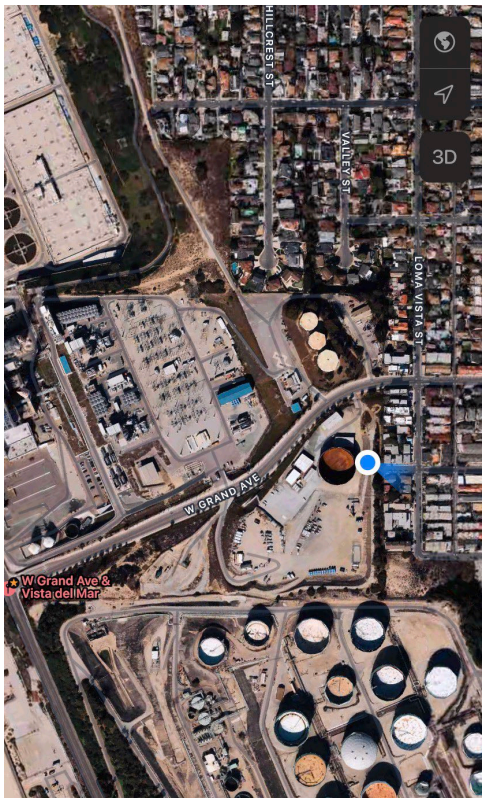
Site Number: Long-Term – 2	
Recorded By: Zhe Chen, Dennis Dinh	
Job Number: 191844	
Date: 8/16/2023	
Time: 11:35 AM	
Location: Along the western border of the project site; behind 213 Loma Vista Street	
Source of Ambient Noise: Traffic along West Grand Avenue	
Source of Peak Noise: Plane overhead	

Noise Data		
L_{dn} (dB)	**L_{Day}(dB)**	**LN_{ight} (dB)**
61.1	57.3	54.0

Equipment					
Category	**Type**	**Vendor**	**Firmware Version**	**Serial No.**	**Note**
Sound	Sound Level Meter	**SoundTrack LxT**	**2.404**	**0006590**	**N/A**

Weather Data			
Est.	**Duration:** 24 hours		**Sky:** Cloudy
	Note: dBA Offset = 0.00		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	5 mph	73	29.93

Photo of Measurement Location



Measurement Report

Report Summary

Meter's File Name	LxT_Data.003.s	Computer's File Name	LxT_0006590-20230816 113530-LxT_Data.003.ldbin
Meter	LxT1 0006590		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2023-08-16 11:35:30	Duration	24:05:19.4
End Time	2023-08-17 11:40:50	Run Time	24:05:19.4
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	56.4 dB		
LAE	105.8 dB	SEA	--- dB
EA	4.2 mPa²h		
EA8	1.4 mPa²h		
EA40	6.9 mPa²h		
LZS_{peak}	119.3 dB	2023-08-16 17:27:37	
LAS_{max}	80.9 dB	2023-08-16 18:57:14	
LAS_{min}	45.8 dB	2023-08-17 05:50:36	
LA_{eq}	56.4 dB		
LC_{eq}	72.0 dB	LC_{eq} - LA_{eq}	15.7 dB
LAI_{eq}	58.0 dB	LAI_{eq} - LA_{eq}	1.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZSpeak > 135.0 dB	0	0:00:00.0
LZSpeak > 137.0 dB	0	0:00:00.0
LZSpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
61.1 dB	57.3 dB	0.0 dB

LDEN	LDay	LEve	LNight
61.6 dB	57.2 dB	57.8 dB	54.0 dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	56.4 dB		--- dB		--- dB	
$Ls_{(max)}$	80.9 dB	2023-08-16 18:57:14	--- dB		--- dB	
$LS_{(min)}$	45.8 dB	2023-08-17 05:50:36	--- dB		--- dB	
$L_{Peak(max)}$	--- dB		--- dB		119.3 dB	2023-08-16 17:27:37

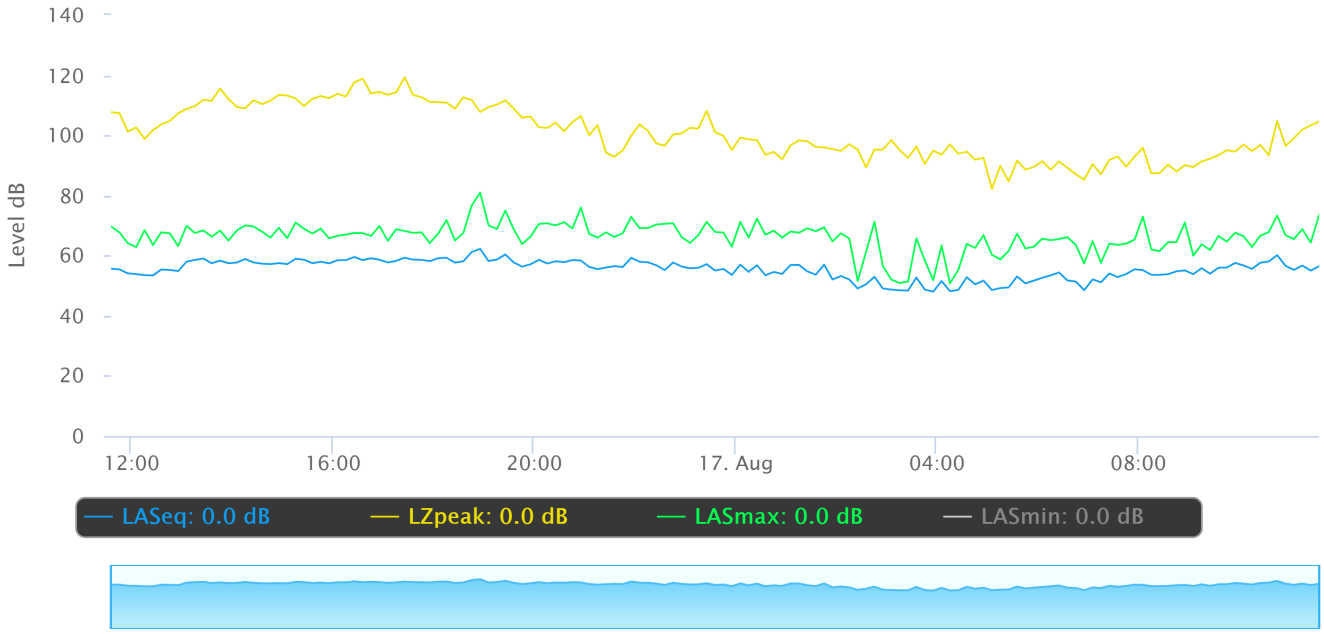
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	3267	7:21:59.4

Statistics

LAS 5.0	61.1 dB
LAS 10.0	59.1 dB
LAS 33.3	55.9 dB
LAS 50.0	54.2 dB
LAS 66.6	52.0 dB
LAS 90.0	48.4 dB

Time History



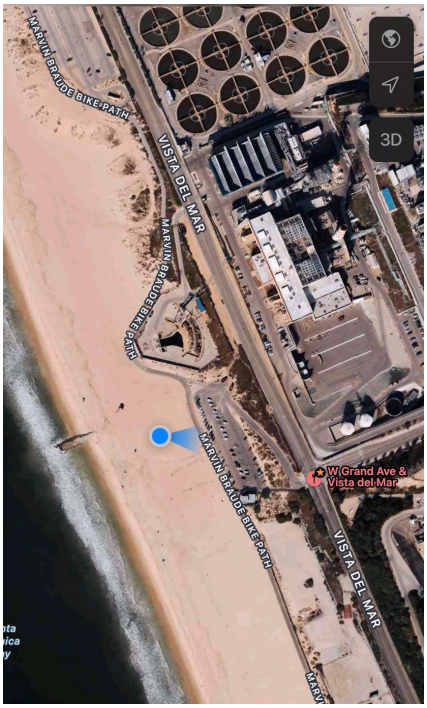
Site Number: ST-1	
Recorded By: Zhe Chen, Dennis Dinh	
Job Number: 191844	
Date: 8/16/2023	
Time: 10:15 AM	
Location: Directly south of Lifeguard Tower 60; along El Segundo Beach	
Source of Ambient Noise: Pedestrian activates	
Source of Peak Noise: ATV and off-road truck driving by	

Noise Data		
L_{eq} (dB)	**L_{max}(dB)**	**L_{min} (dB)**
56.2	69.3	49.6

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**3011133**	**06/04/2023**	
	Microphone	**Brüel & Kjær**	**4189**	**3086765**	**06/04/2023**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**25380**	**06/04/2023**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**06/04/2023**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** Cloudy
	Note: dBA Offset = 0.02		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	5 mph	73	29.93

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		08/16/2023 10:15:58
End Time:		08/16/2023 10:25:58
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.21

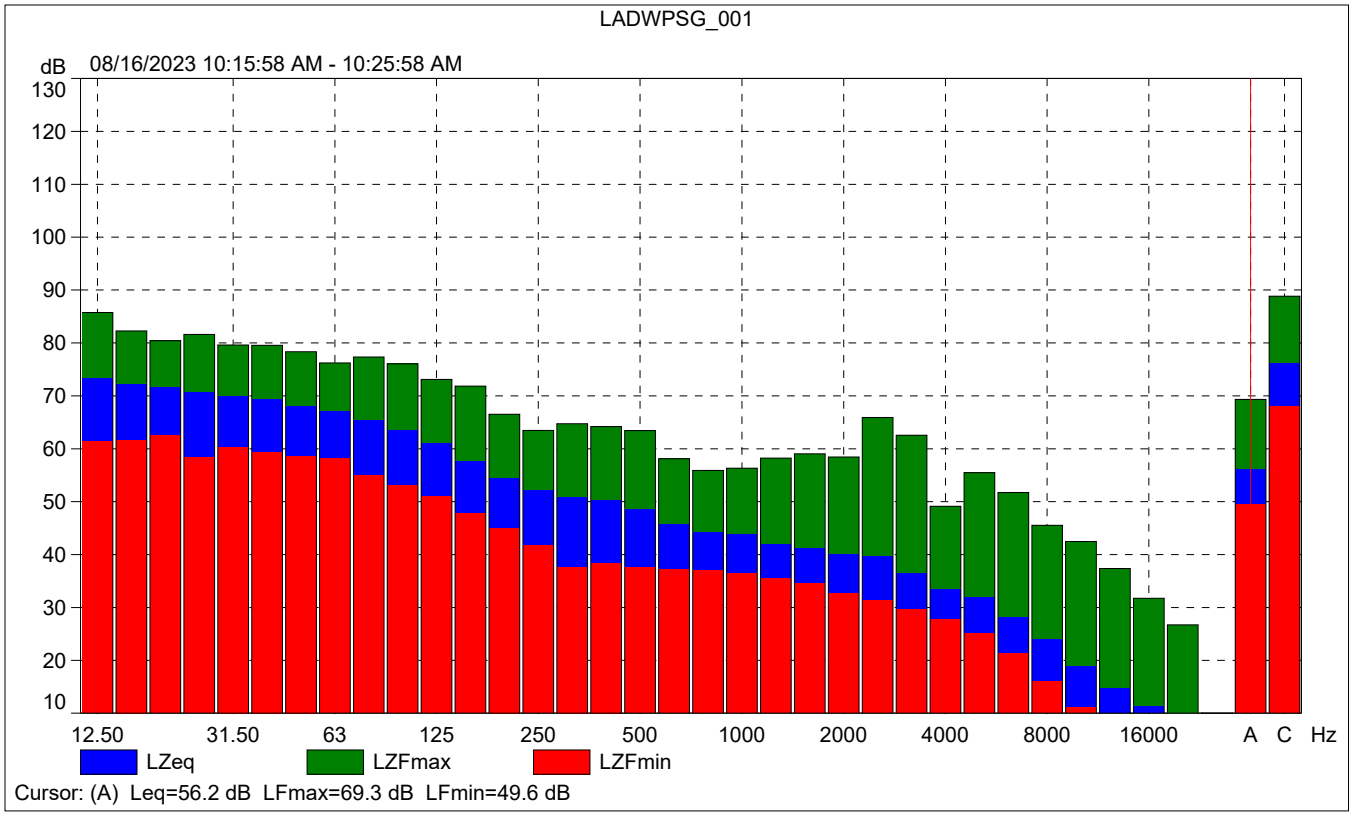
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

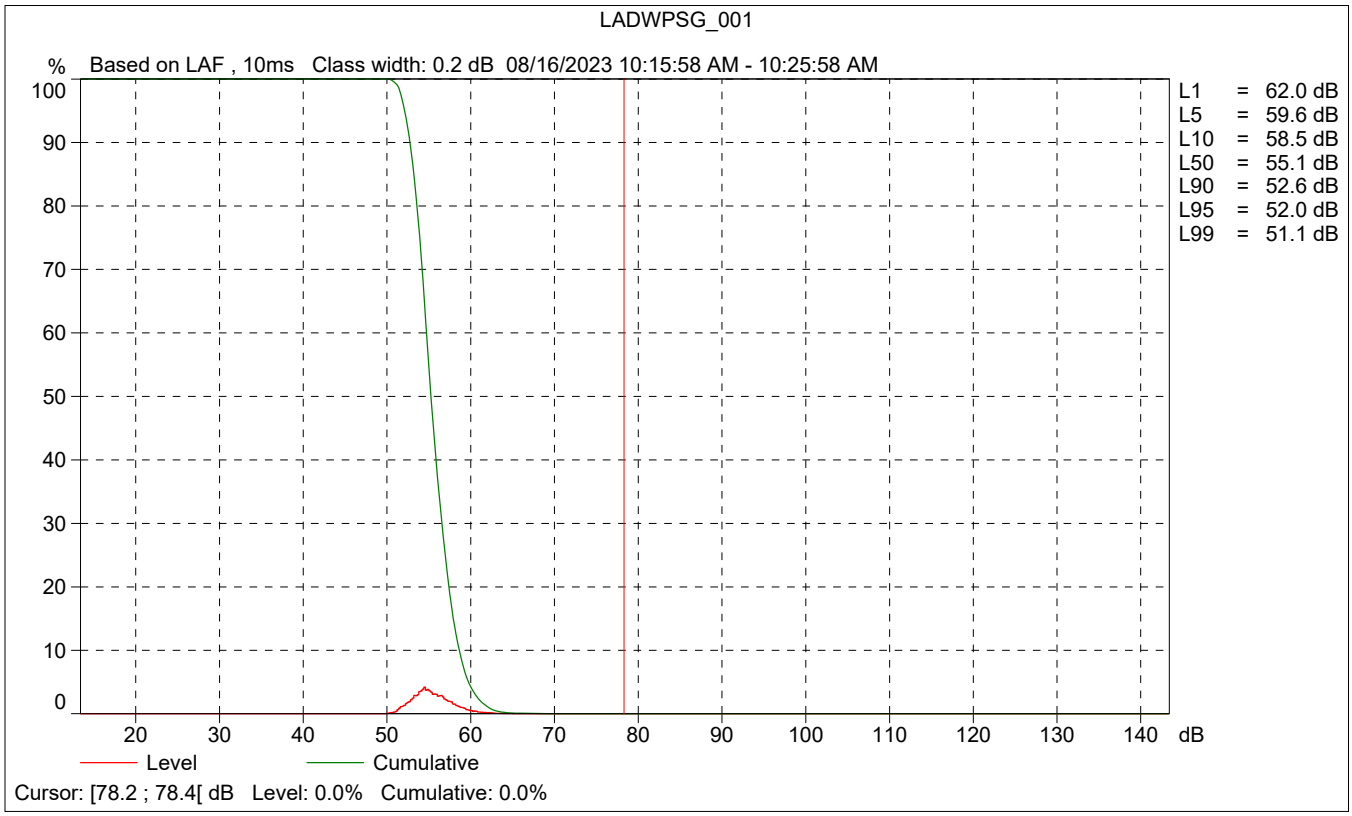
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

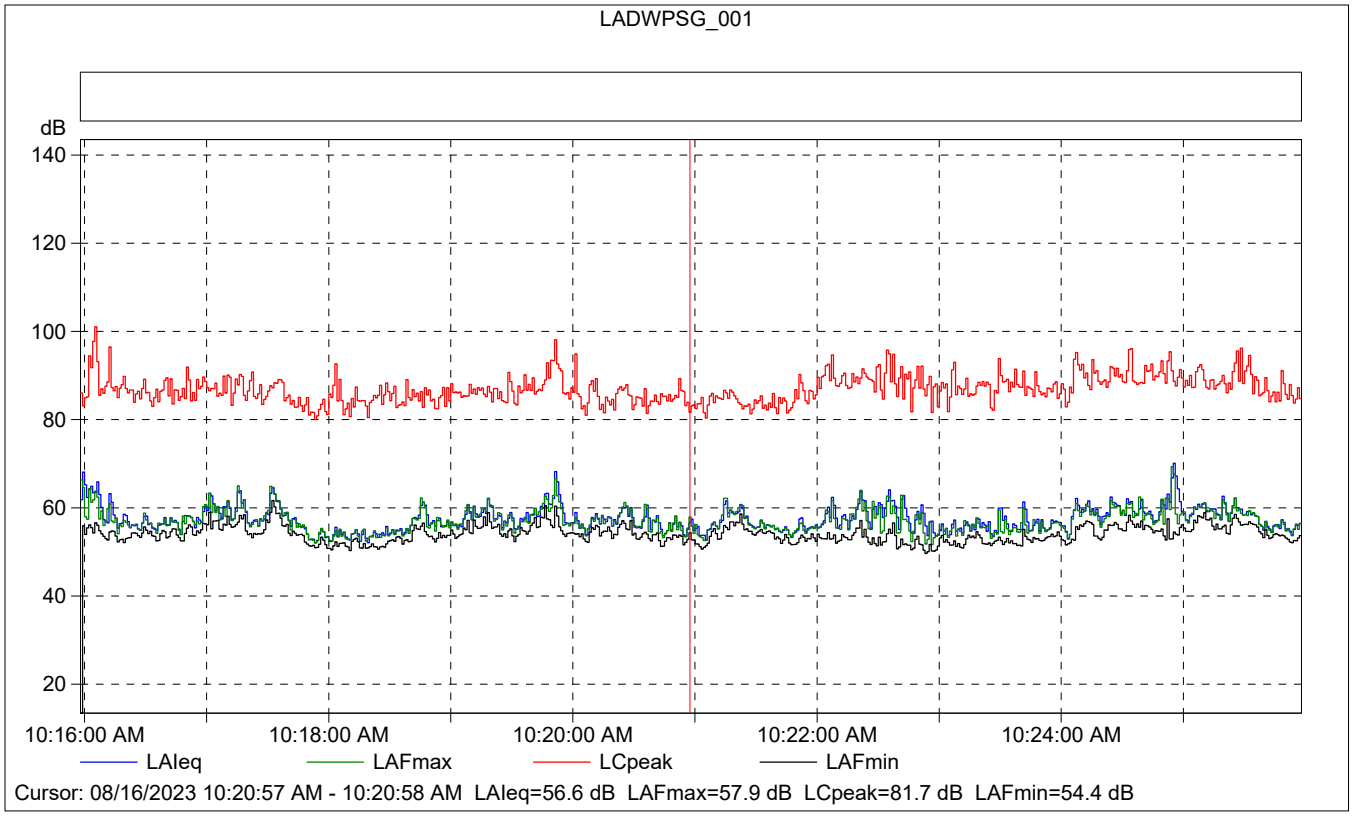
Calibration Time:		08/02/2023 09:57:50
Calibration Type:		External reference
Sensitivity:		43.1558825075626 mV/Pa

LADWPSG_001

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	56.2	69.3	49.6
Time	10:15:58 AM	10:25:58 AM	0:10:00				
Date	08/16/2023	08/16/2023					

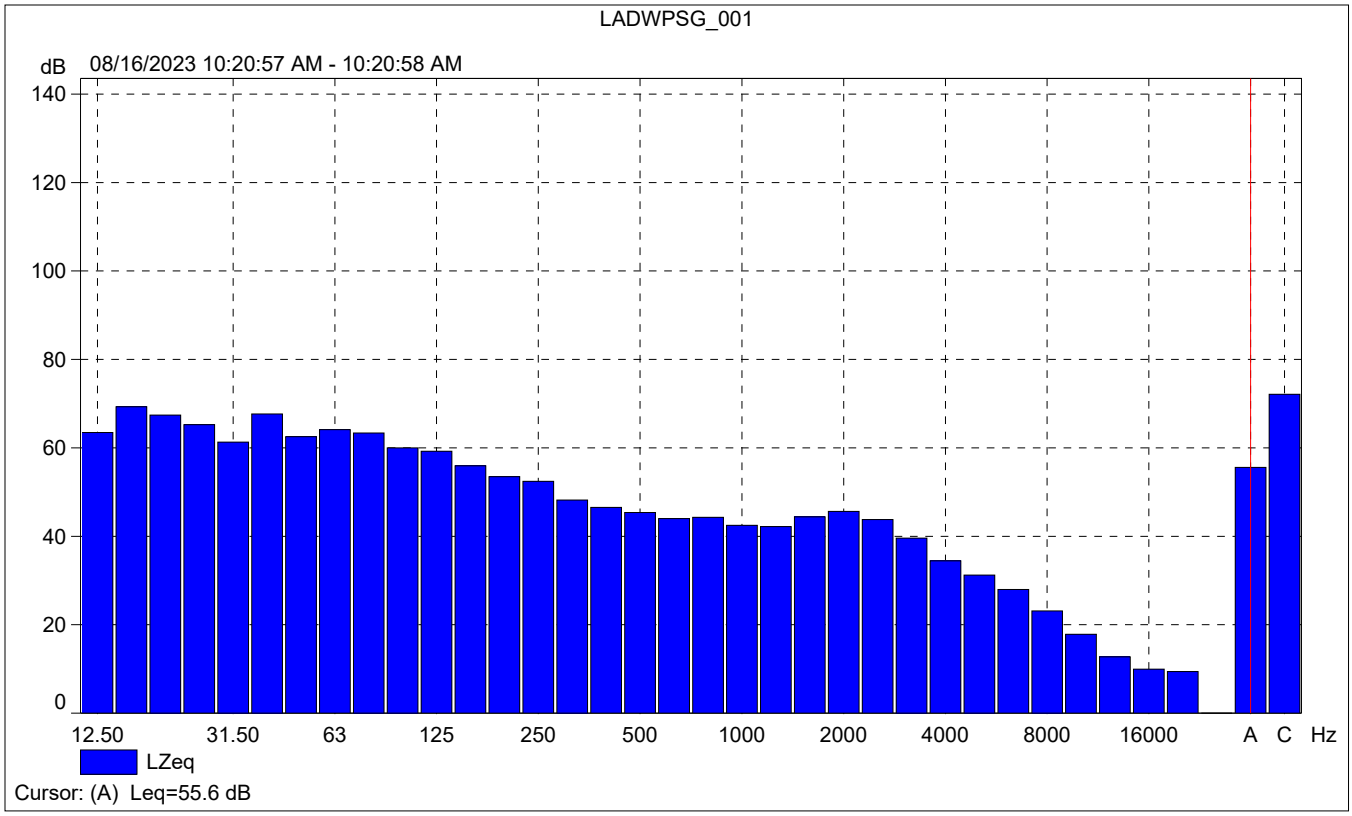

LADWPSG_001
dB
08/16/2023 10:15:58 AM - 10:25:58 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=56.2 dB LFmax=69.3 dB LFmin=49.6 dB

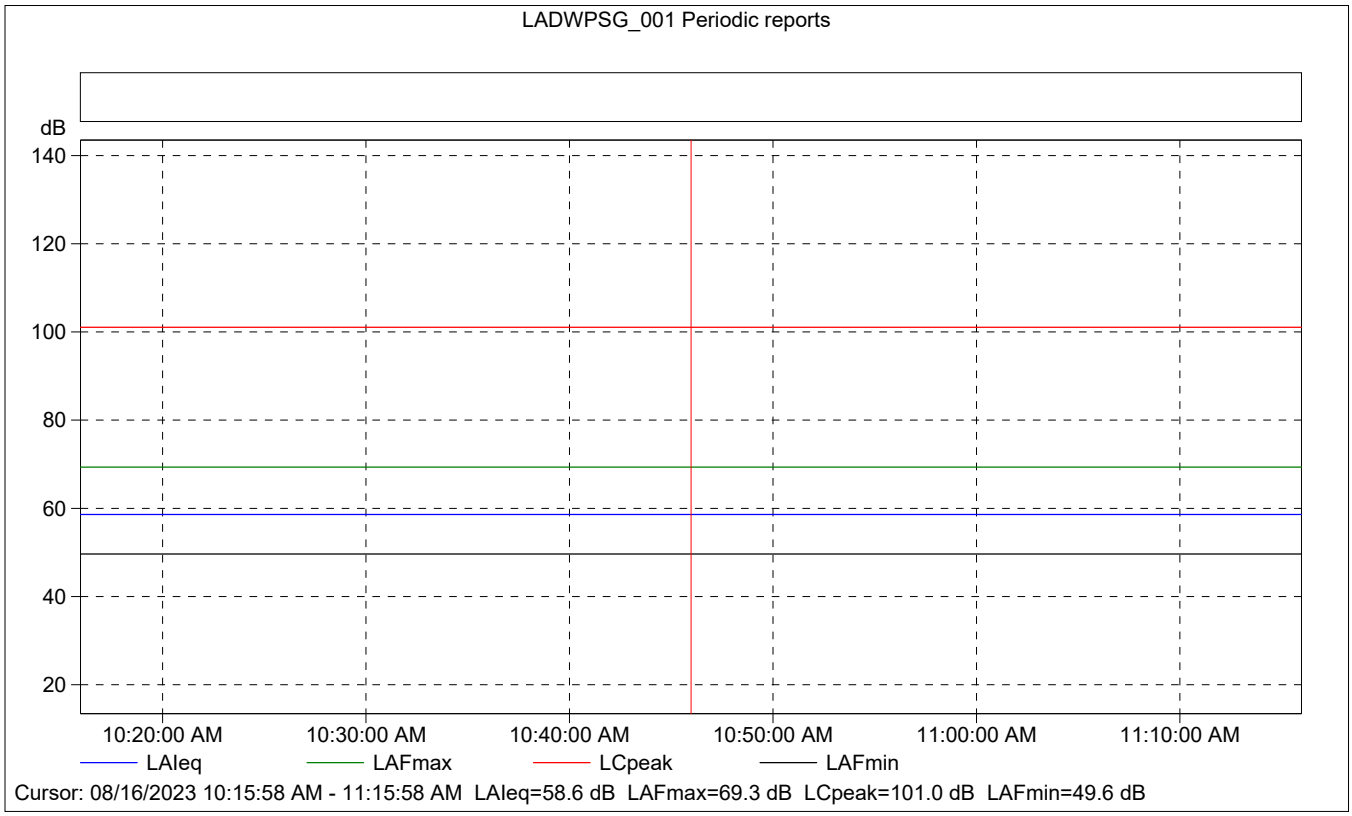

LADWPSG_001
%
Based on LAF , 10ms Class width: 0.2 dB 08/16/2023 10:15:58 AM - 10:25:58 AM
100
90
80
70
60
50
40
30
20
10
0
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 62.0 dB
L5 = 59.6 dB
L10 = 58.5 dB
L50 = 55.1 dB
L90 = 52.6 dB
L95 = 52.0 dB
L99 = 51.1 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%



LADWPSG_001

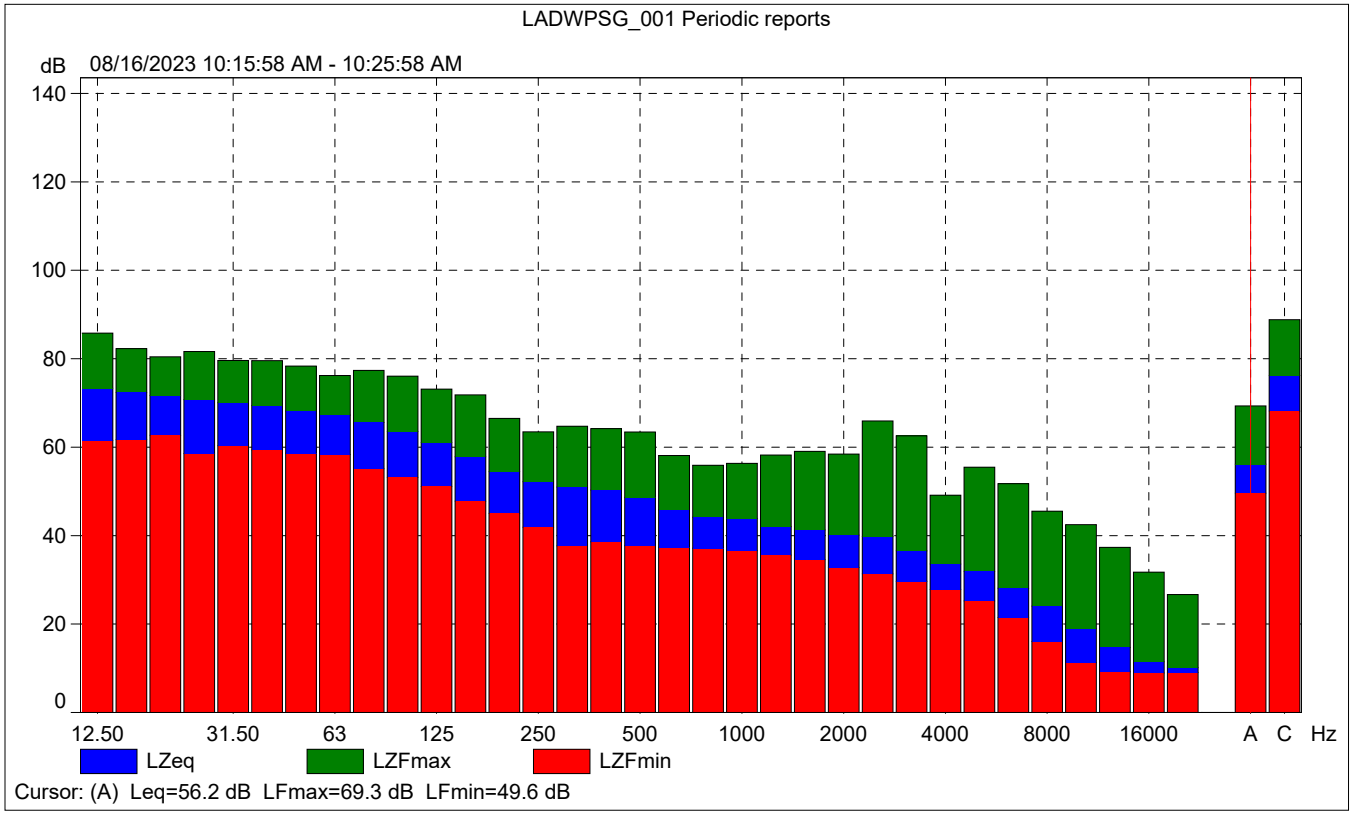
	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	56.6	57.9	54.4
Time	10:20:57 AM	0:00:01				
Date	08/16/2023					

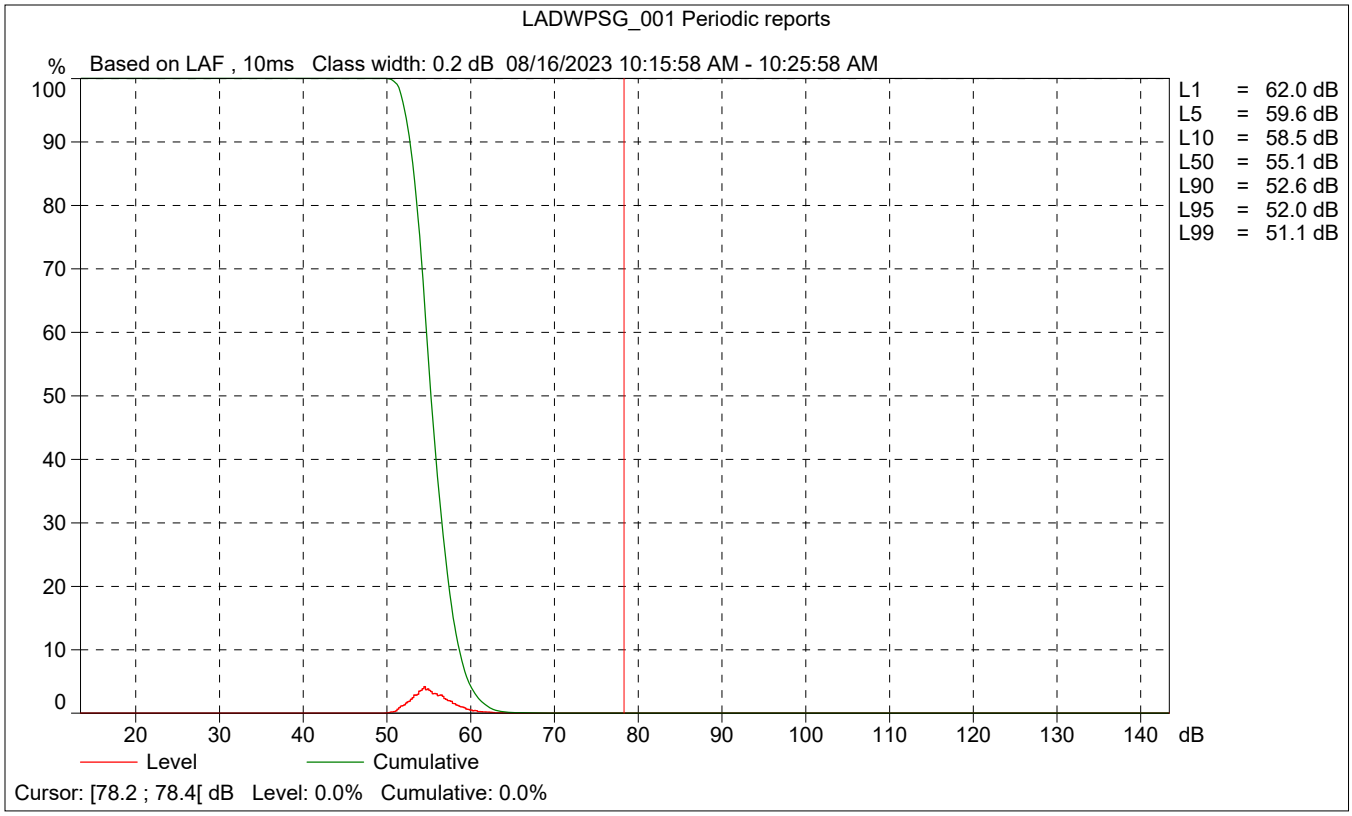

LADWPSG_001
dB
08/16/2023 10:20:57 AM - 10:20:58 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
Cursor: (A) Leq=55.6 dB


LADWPSG_001 Periodic reports
dB
140
120
100
80
60
40
20
10:20:00 AM
10:30:00 AM
10:40:00 AM
10:50:00 AM
11:00:00 AM
11:10:00 AM
LAIeq
LAFmax
LCpeak
LAFmin
Cursor: 08/16/2023 10:15:58 AM - 11:15:58 AM LAIeq=58.6 dB LAFmax=69.3 dB LCpeak=101.0 dB LAFmin=49.6 dB

LADWPSG_001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	58.6	69.3	49.6
Time	10:15:58 AM	0:10:00				
Date	08/16/2023					




LADWPSG_001 Periodic reports
% Based on LAF , 10ms Class width: 0.2 dB 08/16/2023 10:15:58 AM - 10:25:58 AM
100
90
80
70
60
50
40
30
20
10
0
20 30 40 50 60 70 80 90 100 110 120 130 140 dB
Level
Cumulative
L1 = 62.0 dB
L5 = 59.6 dB
L10 = 58.5 dB
L50 = 55.1 dB
L90 = 52.6 dB
L95 = 52.0 dB
L99 = 51.1 dB
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Civil Earthwork	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	1200	0
Excavator	No	40		80.7	1200	0
Excavator	No	40		80.7	1200	0
Pickup Truck	No	40		75	1200	0
Pickup Truck	No	40		75	1200	0
Roller	No	20		80	1200	0
Roller	No	20		80	1200	0
Roller	No	20		80	1200	0
Dozer	No	40		81.7	1200	0
Dozer	No	40		81.7	1200	0
Dozer	No	40		81.7	1200	0
Dozer	No	40		81.7	1200	0
Dozer	No	40		81.7	1200	0
Scraper	No	40		83.6	1200	0
Scraper	No	40		83.6	1200	0
Scraper	No	40		83.6	1200	0
Scraper	No	40		83.6	1200	0
Front End Loader	No	40		79.1	1200	0
Front End Loader	No	40		79.1	1200	0

Results

Equipment		Calculated (dBA) *Lmax	Leq
Compressor (air)		50.1	46.1
Excavator		53.1	49.1
Excavator		53.1	49.1
Pickup Truck		47.4	43.4
Pickup Truck		47.4	43.4
Roller		52.4	45.4
Roller		52.4	45.4
Roller		52.4	45.4
Dozer		54.1	50.1
Dozer		54.1	50.1
Dozer		54.1	50.1
Dozer		54.1	50.1
Dozer		54.1	50.1
Scraper		56	52
Scraper		56	52
Scraper		56	52
Scraper		56	52
Front End Loader		51.5	47.5
Front End Loader		51.5	47.5
	Total	56	62.1

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Electrical	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Pickup Truck	No	40		75	1200	0
Pickup Truck	No	40		75	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0
Backhoe	No	40		77.6	1200	0
Backhoe	No	40		77.6	1200	0
Vacuum Excavator (Vac-truck)	No	40		85.3	1200	0
Vacuum Excavator (Vac-truck)	No	40		85.3	1200	0
Slurry Trenching Machine	No	50		80.4	1200	0
Slurry Trenching Machine	No	50		80.4	1200	0

Results

Equipment	Calculated (dBA) *Lmax	Leq
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Compressor (air)	50.1	46.1
Compressor (air)	50.1	46.1
Pickup Truck	47.4	43.4
Pickup Truck	47.4	43.4
Generator	53	50
Generator	53	50
Backhoe	50	46
Backhoe	50	46
Vacuum Excavator (Vac-truck)	57.7	53.7
Vacuum Excavator (Vac-truck)	57.7	53.7
Slurry Trenching Machine	52.8	49.7
Slurry Trenching Machine	52.8	49.7
Total	57.7	60.6

*Calculated Lmax is the Loudest value.

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Foundation	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Generator	No	50		80.6	1200	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Man Lift	47.1	40.1
Compressor (air)	50.1	46.1
Compressor (air)	50.1	46.1
Crane	52.9	45
Crane	52.9	45
Crane	52.9	45
Generator	53	50
Total	53	55

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Mechanical	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0

Results

Equipment		Calculated (dBA) *Lmax	Leq
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Generator		53	50
Generator		53	50
Generator		53	50
	Total	53	58

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Unit 3 Basin Backfil	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		1200	0
Roller	No	20		80	1200	0
Dozer	No	40		81.7	1200	0
Dozer	No	40		81.7	1200	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Grader		57.4	53.4
Roller		52.4	45.4
Dozer		54.1	50.1
Dozer		54.1	50.1
	Total	57.4	56.6

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Switchyard Upgrad	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	500	0
Man Lift	No	20		74.7	500	0
Crane	No	16		80.6	500	0
Grader	No	40	85		500	0
Pumps	No	50		80.9	500	0
Front End Loader	No	40		79.1	500	0
Slurry Trenching Machine	No	50		80.4	500	0

Results

	Calculated (dBA)	
Equipment	*Lmax	Leq
Man Lift	54.7	47.7
Man Lift	54.7	47.7
Crane	60.6	52.6
Grader	65	61
Pumps	60.9	57.9
Front End Loader	59.1	55.1
Slurry Trenching Machine	60.4	57.3
Total	65	64.8

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Structural Steel	Residential	65	65	65

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Pickup Truck	No	40		75	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0
Generator	No	50		80.6	1200	0

Results

		Calculated (dBA)	
Equipment		*Lmax	Leq
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Crane		52.9	45
Pickup Truck		47.4	43.4
Generator		53	50
Generator		53	50
Generator		53	50
Generator		53	50
	Total	53	58.3

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Retaining Wall	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Man Lift	No	20		74.7	1200	0
Compressor (air)	No	40		77.7	1200	0
Drill Rig Truck	No	20		79.1	1200	0
Crane	No	16		80.6	1200	0
Pumps	No	50		80.9	1200	0
Front End Loader	No	40		79.1	1200	0

Results

Calculated (dBA)

Equipment		*Lmax	Leq
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Man Lift		47.1	40.1
Compressor (air)		50.1	46.1
Drill Rig Truck		51.5	44.5
Crane		52.9	45
Pumps		53.3	50.3
Front End Loader		51.5	47.5
	Total	53.3	55

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/21/2023
Case Description: LADWP Scattergood

		Baselines (dBA)		---- Receptor #1 ----
Description	Land Use	Daytime	Evening	Night
Other Site Prep	Residential	65	65	65

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	1200	0
Crane	No	16		80.6	1200	0
Excavator	No	40		80.7	1200	0
Grader	No	40	85		1200	0
All Other Equipment > 5 HP	No	50	85		1200	0
Pumps	No	50		80.9	1200	0
Roller	No	20		80	1200	0
Dozer	No	40		81.7	1200	0
Front End Loader	No	40		79.1	1200	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Crane	52.9	45
Crane	52.9	45
Excavator	53.1	49.1
Grader	57.4	53.4
All Other Equipment > 5 HP	57.4	54.4
Pumps	53.3	50.3
Roller	52.4	45.4
Dozer	54.1	50.1
Front End Loader	51.5	47.5
Total	57.4	59.7

*Calculated Lmax is the Loudest value.