

Appendix G

Noise Modeling Data

FIELD NOISE MEASUREMENT DATA

PROJECT CDWR SPR ENERGY SITES PROJECT # 12206.028
 SITE ID ST1
 SITE ADDRESS 1001 OBSERVER(S) JVL
 START DATE 11/11/22 END DATE 11/11/22
 START TIME 1:23 END TIME 1:38

METEOROLOGICAL CONDITIONS

TEMP 69 F HUMIDITY 34 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 0 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT Piccolo II TYPE 1 2 SERIAL # 0060
 CALIBRATOR FEED RECORD SERIAL # L6321
 CALIBRATION CHECK PRE-MEASUREMENT 94.0 dBA SPL POST-MEASUREMENT 94.0 dBA SPL WINDSCRN X

SETTINGS

A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>1</u>									
<u>15</u>									

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: ARTERIAL - LOWER SAID DIST. TO RDWY C/L OR EOP: _____
 TRAFFIC COUNT DURATION: _____ MIN SPEED 35 MIN SPEED _____

COUNT 1 (OR RDWY 1)	DIRECTION		NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	DIRECTION		NB/EB	SB/WB
	NB/EB	SB/WB							NB/EB	SB/WB		
AUTOS	<u>132</u>						<u>X</u>					
MED TRKS	<u>3</u>											
HVY TRKS	<u>0</u>											
BUSES	<u>0</u>											
MOTRCLS	<u>1</u>											

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY:

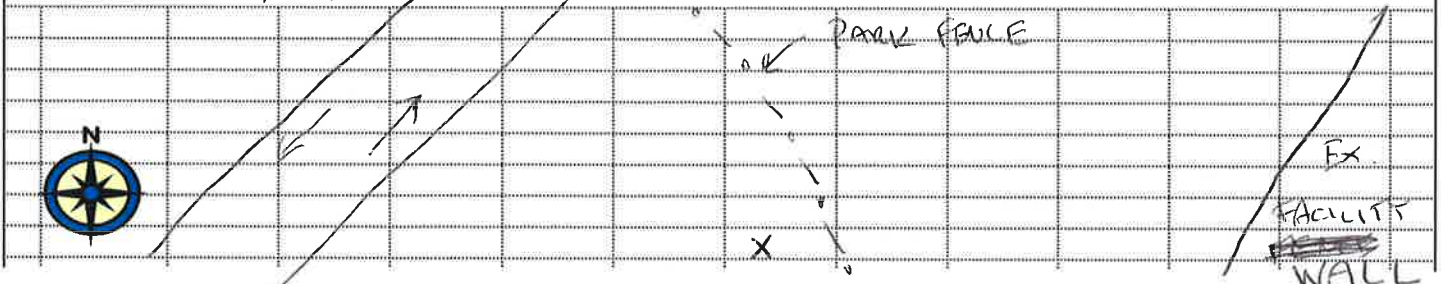
OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: _____

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____

PHOTOS _____

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT CDWR SRR ENERGY SITES PROJECT # 12206.028
 SITE ID ST2
 SITE ADDRESS LODI OBSERVER(S) JVL
 START DATE 11/11/22 END DATE 11/11/22
 START TIME 2:13 END TIME 2:23

METEOROLOGICAL CONDITIONS
 TEMP 69 F HUMIDITY 36 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 1 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
 MEAS. INSTRUMENT Piccolo II TYPE 1 2 SERIAL # 0060
 CALIBRATOR REED RE090 SERIAL # 16321
 CALIBRATION CHECK PRE-MEASUREMENT 94.0 dBA SPL POST-MEASUREMENT 94.0 dBA SPL WINDSCRN X

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>27</u>	<u>2:13</u>								
<u>37</u>		<u>2:23</u>							

COMMENTS _____

SOURCE INFO AND TRAFFIC COUNTS
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: ARTERIAL - TURNER DIST. TO RDWY C/L OR EOP: 85'

TRAFFIC COUNT DURATION:	MIN		SPEED <u>40</u>		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE <u>X</u>	MIN		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB
COUNT 1 (OR RDWY 1)						COUNT 2 (OR RDWY 2)			
DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	<u>175</u>								
MED TRKS	<u>1</u>								
HVY TRKS	<u>2</u>								
BUSES	<u>3</u>								
MOTRCLS	<u>1</u>								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: 40

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: _____

DESCRIPTION / SKETCH
 TERRAIN HARD SOFT MIXED FLAT OTHER: _____
 PHOTOS _____
 OTHER COMMENTS / SKETCH

FIELD NOISE MEASUREMENT DATA

PROJECT <u>CWDR SRC ENERGY SITES</u>	PROJECT # <u>12206.028</u>
SITE ID <u>ST3</u>	
SITE ADDRESS <u>LODI</u>	OBSERVER(S) <u>JUL</u>
START DATE <u>11/11/22</u>	END DATE <u>11/11/22</u>
START TIME <u>2:27</u>	END TIME <u>2:33</u>

METEOROLOGICAL CONDITIONS

TEMP 69 F HUMIDITY 36 % R.H. WIND CALM LIGHT MODERATE
WINDSPD 1 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT Piccolo II TYPE 1 2 SERIAL # 0060
CALIBRATOR REED R8090 SERIAL # 6321
CALIBRATION CHECK PRE-MEASUREMENT 94.0 dBA SPL POST-MEASUREMENT 94.0 dBA SPL WINDSCRN X

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>38</u>	<u>2:27</u>	_____	_____	_____	_____	_____	_____	_____	_____
<u>44</u>	_____	<u>2:33</u>	_____	_____	_____	_____	_____	_____	_____

COMMENTS _____

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
ROADWAY TYPE: ARTERIAL - TURNER DIST. TO RDWY C/L OR (EOP): 6'

TRAFFIC COUNT DURATION: _____ MIN SPEED 40

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB
AUTOS	<u>94</u>	_____	_____	_____	<u>X</u>	_____	_____
MED TRKS	<u>1</u>	_____	_____	_____	_____	_____	_____
HVY TRKS	<u>2</u>	_____	_____	_____	_____	_____	_____
BUSES	<u>0</u>	_____	_____	_____	_____	_____	_____
MOTRCLS	<u>0</u>	_____	_____	_____	_____	_____	_____

SPEEDS ESTIMATED BY: RADAR/ DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY: 40

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: _____

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____
PHOTOS _____
OTHER COMMENTS / SKETCH _____

FIELD NOISE MEASUREMENT DATA

PROJECT <u>CDWR SPR ENERGY SITES</u>	PROJECT # <u>12206.028</u>
SITE ID <u>374</u>	
SITE ADDRESS <u>LODI</u>	OBSERVER(S) <u>JVL</u>
START DATE <u>11/11/22</u>	END DATE <u>11/11/22</u>
START TIME <u>2:40</u>	END TIME <u>2:46</u>

METEOROLOGICAL CONDITIONS

TEMP 69 F HUMIDITY 36 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 1 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTL CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT Piccolo II TYPE 1 2 SERIAL # 0060
 CALIBRATOR KEED TC8090 SERIAL # 6321
 CALIBRATION CHECK PRE-MEASUREMENT 94.0 dBA SPL POST-MEASUREMENT 94.0 dBA SPL WINDSCRN X

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>45</u>	<u>2:40</u>								
<u>↓</u>									
<u>51</u>		<u>2:46</u>							

COMMENTS
CARS ALONG MILLS, ACTIVITIES IN INDUSTRIAL BUILDING, LOADING DOCK DOOR OPEN

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: COLLECTOR DIST. TO RDWY C/L OR EOP: 50' MILLS / 6' HOLLY

TRAFFIC COUNT DURATION: _____ MIN		SPEED <u>35</u>		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE		MIN		SPEED		
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
		AUTOS	<u>30</u>							
	MED TRKS	<u>0</u>								
	HVY TRKS	<u>0</u>								
	BUSES	<u>0</u>								
	MOTRCLS	<u>0</u>								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: 35

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: _____

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____
 PHOTOS _____
 OTHER COMMENTS / SKETCH _____

FIELD NOISE MEASUREMENT DATA

PROJECT <u>CDWR SRR ENERGY SITES</u>	PROJECT # <u>12206.028</u>
SITE ID <u>12206.028 ST5</u>	
SITE ADDRESS <u>LODI</u>	OBSERVER(S) <u>JVL</u>
START DATE <u>11/11/22</u>	END DATE <u>11/11/22</u>
START TIME <u>1:45</u>	END TIME <u>1:55</u>

METEOROLOGICAL CONDITIONS

TEMP 69 F HUMIDITY 36 % R.H. WIND CALM LIGHT MODERATE
WINDSPD 1 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT Piccolo II TYPE 1 2 SERIAL # 0060
CALIBRATOR REED 128910 SERIAL # 10321
CALIBRATION CHECK PRE-MEASUREMENT 94.0 dBA SPL POST-MEASUREMENT 94.0 dBA SPL WINDSCRN X

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>16</u>	<u>1:45</u>								
<u>26</u>		<u>1:55</u>							

COMMENTS _____

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
ROADWAY TYPE: ARTERIAL - LOWER JAC TO RD DIST. TO RDWY C/L OR EOP: 8 FEET

TRAFFIC COUNT DURATION: _____ MIN SPEED _____ MIN SPEED _____

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB
AUTOS	<u>16</u>				<u>X</u>		
MED TRKS	<u>3</u>						
HVY TRKS	<u>0</u>						
BUSES	<u>0</u>						
MOTRCLS	<u>0</u>						

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: _____

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: _____

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____
PHOTOS _____
OTHER COMMENTS / SKETCH

Start Time
 11:28:49 AM
 12:00:02 PM
 1:00:02 PM
 2:00:02 PM
 3:00:02 PM
 4:00:02 PM
 5:00:02 PM
 6:00:02 PM
 7:00:02 PM
 8:00:02 PM
 9:00:02 PM
 10:00:02 PM
 11:00:02 PM
 12:00:02 AM
 1:00:02 AM
 2:00:02 AM
 3:00:02 AM
 4:00:02 AM
 5:00:02 AM
 6:00:02 AM
 7:00:02 AM
 8:00:02 AM
 9:00:02 AM
 10:00:02 AM
 11:00:02 AM
 12:00:02 PM
 1:00:00 PM

-37.0836 = conversion of the 10.02 mV/Pa sensitivity*
 2.1 = apparent adjustment to dB that needs to be offset
 *<https://www.translatorscafe.com/unit-converter/en-US/microphone-sensitivity/6-4/millivolt%20per%20pascal-decibel%20relative%20to%201%20volt%20per%201%20microbar/>

LZeq	LCeq	LAeq	LZmax	LCmax	LAmx	LZmin	LCmin	L Amin	LZE	LCE	LAE	LZpeak	LCpeak	L Apeak	0.01	0.02	0.05	0.08	0.1	0.25	0.5	0.9	0.95	0.99	1/1 Oct. (dBA)	31.5	63	125	250	500	1000	2000	4000	8000
64.5	62.8	56.6	85.0	84.6	84.0	56.7	54.4	41.0	97.2	95.5	89.3	113.0	112.5	115.8	68.1	63.7	56.5	53.6	52.6	49.6	47.8	45.5	44.6	42.0	18.3	32.7	40.3	42.4	44.4	52.0	50.6	50.3	42.6	
62.9	60.9	49	77.5	77.4	69.3	56.1	53.6	40.9	98.5	96.5	84.7	92.9	92.7	88.7	58.3	54.7	51.5	50.6	50.1	48.2	46.8	44.2	43.5	42.3	17.5	30.9	39.8	41.0	42.0	45.1	40.1	33.0	27.9	
61.5	59.8	47	77.6	77.1	59.3	56.0	53.7	39.7	97.1	95.4	82.9	85.5	84.7	82.5	54.0	52.1	50.4	49.6	49.3	47.9	46.4	44.2	43.6	42.1	16.8	30.3	38.5	35.2	38.6	44.2	39.8	33.2	29.7	
63.3	61.5	52	78.6	78.2	76.6	57.1	54.7	42.4	98.9	97.1	87.8	96.6	95.6	97.3	60.9	55.4	52.2	51.2	50.8	49.4	48.2	46.0	45.4	44.4	18.1	32.2	39.7	36.7	39.3	45.9	45.0	47.8	41.9	
61.9	60.3	50	71.9	71.8	66.7	56.8	54.6	42.0	97.5	95.9	85.6	88.1	86.4	86.3	58.2	56.4	53.1	51.9	51.4	49.9	48.4	46.1	45.5	44.1	17.4	30.9	38.3	38.2	40.9	46.0	42.7	41.4	35.1	
62.7	60.8	49	73.3	72.6	66.0	57.0	54.6	41.5	98.3	96.4	85.0	85.0	83.7	85.1	53.8	53.0	52.0	51.5	51.2	50.0	48.9	46.6	46.0	44.5	17.9	31.9	38.3	36.5	39.2	46.0	42.2	40.5	33.9	
62.0	60.4	51	73.2	72.0	62.0	57.4	55.2	44.9	97.6	96.0	86.2	84.0	83.6	79.8	56.6	54.4	53.1	52.4	52.1	50.9	49.9	47.8	47.1	45.9	17.5	31.1	38.3	36.5	41.1	48.0	42.7	39.2	35.0	
61.4	59.9	51	74.0	73.7	59.6	56.6	54.6	43.3	97.0	95.5	86.1	84.1	83.9	74.6	54.3	53.7	52.9	52.5	52.3	51.3	50.1	47.8	47.2	45.6	16.7	30.3	38.0	35.4	41.7	48.5	42.6	29.0	24.4	
62.0	60.5	50	73.5	72.9	59.6	55.9	53.5	43.2	97.6	96.1	85.5	83.9	83.0	74.0	55.3	54.2	52.8	52.2	51.8	50.6	49.3	46.5	45.6	44.3	16.2	31.1	39.8	36.0	41.2	47.7	42.0	29.3	24.5	
61.5	60.0	50	74.2	73.8	66.0	55.9	53.5	42.0	97.1	95.6	85.1	85.9	85.0	80.1	55.6	54.4	52.8	51.9	51.6	49.9	48.5	45.9	45.1	43.7	16.2	31.1	38.0	36.2	41.5	47.1	41.2	29.4	28.0	
60.7	58.8	48	70.8	70.4	57.7	56.4	53.8	40.2	96.3	94.4	83.5	81.2	80.9	71.0	53.6	52.5	51.3	50.6	50.2	48.7	47.1	44.0	43.3	41.8	16.1	29.7	36.0	34.7	40.5	45.4	39.4	27.4	23.8	
59.6	57.5	47	75.4	75.1	59.3	52.8	50.2	36.0	95.2	93.1	82.5	83.6	83.3	78.0	53.5	52.1	50.7	50.0	49.6	48.0	46.0	41.1	40.0	38.1	13.8	28.5	35.2	33.0	39.0	44.6	38.9	27.1	24.1	
56.8	54.7	44	67.4	66.8	59.8	51.6	48.9	34.8	92.4	90.3	80.0	77.2	76.4	75.9	51.5	50.5	48.9	48.0	47.6	45.1	42.3	38.3	37.5	36.4	10.3	25.9	32.0	31.4	36.1	42.3	35.6	26.1	24.2	
58.0	55.9	43	69.7	68.6	58.1	50.4	47.8	33.1	93.6	91.5	78.8	80.1	79.9	71.4	52.1	50.4	47.8	46.7	46.2	43.8	40.5	36.1	35.5	34.4	11.4	27.3	33.8	32.6	36.3	40.1	33.7	25.6	24.3	
55.0	52.2	39	60.6	59.7	54.7	51.7	48.6	33.4	90.6	87.8	74.9	73.7	72.3	69.1	47.7	45.8	43.6	42.5	41.9	39.3	36.7	34.6	34.3	33.9	9.0	24.3	25.6	24.7	30.3	36.5	31.9	25.6	24.4	
57.8	55.2	42	68.7	66.4	56.3	50.9	48.0	34.2	93.4	90.8	77.9	79.9	77.3	68.5	50.4	49.3	47.2	46.3	45.8	42.9	39.2	35.7	35.2	34.7	12.8	26.7	30.6	28.7	36.1	39.1	33.7	25.6	24.2	
56.4	54.1	41	72.6	71.6	52.7	51.9	48.8	34.0	92.0	89.7	76.1	81.2	79.6	75.6	48.4	47.1	45.1	44.1	43.6	41.0	38.3	35.6	35.2	34.4	9.5	26.6	28.9	26.4	32.5	37.6	32.6	25.8	24.5	
57.1	54.8	44	66.0	64.9	56.5	53.0	50.0	34.8	92.7	90.4	79.2	74.7	73.8	68.9	49.9	49.0	47.7	47.1	46.8	44.8	42.2	37.4	36.6	35.6	11.3	26.4	30.4	31.5	35.3	41.1	35.5	26.2	24.4	
61.7	59.7	47	71.9	71.0	58.9	56.4	53.3	37.7	97.3	95.3	82.9	83.1	79.7	72.0	53.8	53.0	51.4	50.6	50.3	48.2	46.0	41.9	40.8	39.4	17.0	30.8	36.8	34.3	40.4	44.6	38.6	27.5	24.2	
63.2	61.4	53	72.8	71.5	73.1	58.6	56.3	45.2	98.8	97.0	88.5	89.4	87.8	89.6	63.2	60.4	56.9	55.3	54.0	51.6	50.1	47.4	46.9	46.0	18.4	32.0	38.3	37.8	45.2	48.1	43.2	47.2	42.1	
63.2	61.3	50	70.8	70.4	62.6	59.1	56.9	44.5	98.8	96.9	85.9	82.2	81.4	81.2	56.1	54.4	53.0	52.4	52.0	50.8	49.6	47.4	46.9	45.8	18.6	32.1	38.6	37.3	43.4	47.0	42.0	38.3	29.9	
65.6	63.1	50	87.4	82.1	68.9	59.7	57.4	43.8	101.2	98.7	85.9	93.3	89.1	83.9	59.0	55.0	52.7	51.5	51.1	49.7	48.4	46.2	45.6	44.6	21.4	33.6	39.4	39.0	44.7	46.5	41.5	37.0	31.9	
61.8	59.6	47	70.9	70.5	67.9	56.4	54.0	39.0	97.4	95.2	82.7	89.1	88.3	90.0	53.4	52.1	50.0	49.3	48.9	47.5	46.1	42.9	41.8	40.1	18.1	30.2	36.5	34.2	37.0	43.6	40.9	36.5	29.1	
60.9	59.0	47	75.6	69.7	64.6	55.8	53.2	38.2	96.5	94.6	82.8	85.8	84.9	85.9	56.0	52.6	50.5	49.1	48.7	47.2	45.6	42.8	41.7	40.5	16.7	29.7	36.1	35.6	39.8	44.1	39.6	33.0	27.3	
61.6	59.8	48	78.2	76.7	71.1	56.3	53.7	38.1	97.2	95.4	83.1	94.0	93.6	95.6	55.4	52.7	49.8	48.7	48.4	46.9	45.6	42.5	41.5	39.7	17.6	30.8	36.7	34.8	42.1	43.7	39.2	32.2	26.2	
62.5	60.6	47	74.8	74.0	58.1	56.9	54.2	39.3	98.1	96.2	82.3	88.4	86.4	80.3	54.1	52.2	50.0	49.1	48.8	47.1	45.7	42.9	42.2	40.7	18.6	31.7	37.4	37.9	38.2	43.0	39.0	31.5	27.7	
63.8	62.6	57.3	80.8	80.5	77.8	58.3	56.3	39.3	89.5	88.3	83.0	111.3	110.8	110.5	71.6	69.3	59.8	57.1	55.2	49.2	46.2	41.1	40.6	39.8	17.4	32.2	38.9	44.7	46.4	52.0	53.1	48.9	42.3	

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17	Column18	Column19	Column20	Column21	Column22	Column23	Column24	Column25	Column26	Column27	Column28	Column29	Column30	Column31	Column32	Column33	Column34	Column35	Column36	Column37	Column38	Column39	Column40	Column41	Column42	Column43	Column44	Column45	Column46	Column47	Column48	Column49
Number	Start Date	Start Time	End Time	Duration	Meas Mode	Input Range	Input Type	SPL Time Weight	Units Freq Weight	Overload	UnderRange	Sensitivity	L2eq	L1eq	L1eq	L2max	L1max	L2min	L1min	L2Z	L1Z	L2E	L1E	L2F	L1Fpeak	L2peak	L1peak	0.01	0.02	0.05	0.08	0.1	0.25	0.5	0.9	0.95	0.99	1/1 Oct. (dBA)	31.5	63	125	250	500	1000	2000	4000	8000	
571	11/11/2022	1:23:55 PM	1:24:55 PM	00:01:00	Single	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	65.7	63.7	53.0	68.9	67.6	59.0	61.2	59.1	45.5	83.5	70.8	80.7	79.4	76.1	58.5	58.3	57.4	55.8	55.5	54	52.3	47.1	46.5	45.8	21.2	34.4	40.2	43.9	46.3	49.5	45.4	36	27			
2	11/11/2022	1:25:15 PM	1:26:00 PM	00:00:45	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.4	61.9	52.7	66.5	64.4	57.0	61.8	59.2	47.4	80.9	78.4	69.2	79.5	76.6	74.4	56.8	56.3	55.9	55.7	55.5	54.6	51.2	48.2	47.8	47.5	20.3	30.6	38.9	43.1	45.8	50	44.3	35	26.4		
3	11/11/2022	1:26:00 PM	1:27:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.0	62.5	53.2	69.9	69.3	64.8	60.2	58.0	46.6	81.8	80.3	73.0	88.1	86.8	85.8	64.2	63.3	61.6	58.8	57.9	54.8	52.9	48.5	48.1	47.1	18.7	29.4	41.5	44.9	48.8	51.9	47.2	42.3	33.2		
4	11/11/2022	1:27:00 PM	1:28:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	63.2	61.3	51.8	67.6	65.9	56.8	59.9	57.5	45.4	81.0	79.1	69.6	79.8	80.4	77.9	55.6	55	54.5	54.1	53.9	53	51.7	47.7	46.5	45.6	20.5	30.6	36.1	40.9	43.6	48.8	45.8	34.6	25.4		
5	11/11/2022	1:28:00 PM	1:29:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.1	63.1	56.7	71.6	71.0	63.2	58.4	56.2	39.7	81.9	80.9	74.5	83.1	82.7	80.9	62.6	62.3	61.2	60.6	60.3	58.6	54.8	45.9	41.2	40	17.6	32.2	39.7	44.2	52.7	53.8	44.7	34.2	26.4		
6	11/11/2022	1:29:00 PM	1:30:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.5	62.5	55.3	69.2	67.6	62.2	59.6	45.9	82.3	80.3	73.1	82.1	81.0	81.0	61.2	60.8	60	59	58.6	56.3	53.8	48.9	47.8	46.2	46.2	19.5	31.2	38.8	43.7	49.3	52.4	46.7	41.7	31.7		
7	11/11/2022	1:30:00 PM	1:31:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	65.4	63.9	53.8	72.9	72.1	59.6	59.4	56.3	42.5	83.2	81.7	71.6	84.7	82.5	78.2	59.3	59.2	58.9	58.4	57.6	54.9	53	44.1	43.1	42.6	17.9	35	42.1	44	46.4	50.7	46.2	37.7	27.7		
8	11/11/2022	1:31:00 PM	1:32:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	67.4	65.9	52.0	74.4	73.6	58.9	63.2	61.0	43.7	85.2	83.7	69.8	84.4	83.2	72.1	58.6	58.1	56.6	55.6	55.1	52.7	50.8	48.1	47	44	21.6	37.4	44	46.9	44.1	46.8	42.8	33.5	25.7		
9	11/11/2022	1:32:00 PM	1:33:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.8	63.0	52.3	67.3	66.4	59.1	62.6	60.4	42.3	82.6	80.8	70.1	79.9	79.8	76.8	58.9	58.4	57.4	56.4	54.1	52.6	51.1	46.4	45.4	42.5	20.6	32.4	41.8	43.8	45.1	48.7	44.8	35.5	27.6		
10	11/11/2022	1:33:00 PM	1:34:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.8	63.4	53.8	67.9	67.0	58.9	61.5	59.2	46.7	82.6	81.2	71.6	81.6	79.9	74.2	58.6	58.3	56.9	56.4	56.2	54.8	53.5	49.8	47.5	46.9	19.9	33	41.7	45.2	46.4	50.5	46.6	35.5	26.2		
11	11/11/2022	1:34:00 PM	1:35:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	69.5	68.8	58.4	79.0	78.8	69.8	59.8	57.7	46.3	87.3	86.6	76.2	91.0	91.4	83.3	69.5	69	66.4	63.7	62.4	54.9	52.6	47.4	46.7	46.4	21.1	38.3	47.1	54.2	54.3	50.6	46.8	37.6	27.9		
12	11/11/2022	1:35:00 PM	1:36:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.5	62.7	53.3	70.4	69.9	61.1	58.9	56.6	42.4	82.3	80.5	71.1	83.7	82.2	78.3	60.8	60.1	59.2	56.9	56.5	54.5	51	44.2	43.1	42.5	19	32.9	40.6	43.2	46	49.8	46.5	36.3	26.9		
13	11/11/2022	1:36:00 PM	1:37:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	64.5	63.5	54.4	69.4	69.1	60.7	59.1	57.5	47.2	82.3	81.8	72.2	89.5	85.1	79.9	60.4	60.2	59.7	59.1	58.8	53.8	51.8	48.9	48.3	47.4	18.1	32.4	43.2	45.2	46.4	50.9	47.5	36.8	26.4		
14	11/11/2022	1:37:00 PM	1:38:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	60.3	58.6	50.4	65.1	63.7	57.7	57.7	56.2	54.0	43.5	78.1	76.4	68.2	82.7	83.3	80.8	57.3	56.8	55.1	54.3	53.8	52	47.6	44.3	44	43.7	15.4	28.6	35.3	39.6	42.9	47.6	43.7	32.6	25.3	
15	11/11/2022	1:38:00 PM	1:38:05 PM	00:00:05	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	60.1	58.9	53.2	62.1	61.1	56.8	57.7	55.9	47.0	67.1	65.9	60.2	76.1	76.0	74.5	56.8	56.7	56.7	56.5	56.3	50.6	48	47.4	47.1	47	14.7	26.6	37	38.6	45.3	51.1	45.2	35.1	28.5		
575	11/11/2022	1:45:01 PM	1:46:00 PM	00:00:59	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	73.5	72.6	68.4	79.3	78.6	73.3	66.2	64.9	58.1	91.2	90.3	86.1	93.5	92.0	86.6	73.1	73	72.5	72	71.5	69.9	68.2	59.2	58.8	58.4	26.3	40.3	49.9	53.6	59.5	66.1	62.1	51.8	40.6		
17	11/11/2022	1:46:00 PM	1:47:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	71.9	71.2	68.0	77.4	76.3	74.5	64.1	62.8	55.7	89.7	89.0	85.8	89.7	89.5	88.1	74.3	73.9	73.1	72.7	72.5	70.8	63.7	57	56.7	55.8	24.2	37.9	46.6	53	59.6	65.9	61.3	50.6	39.7		
18	11/11/2022	1:47:00 PM	1:48:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	73.9	73.4	70.8	80.5	80.2	76.8	66.0	65.0	62.0	91.7	91.2	88.6	92.6	93.4	90.5	76.6	76.2	74.4	73.9	73.9	72.7	68.6	64.3	62.7	62.1	24.2	39	48.5	55.7	62.2	68.8	63.8	53	41.5		
19	11/11/2022	1:48:00 PM	1:49:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	75.6	75.1	69.5	87.2	86.8	77.1	62.8	60.5	49.1	93.4	92.9	87.3	97.9	97.8	91.4	76.8	76.2	74.7	74.3	74.1	71.9	66.4	61.9	49.5	49.2	24.5	44.2	53	58.9	61.1	67.1	62.2	51.2	39.4		
20	11/11/2022	1:49:00 PM	1:50:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	76.8	76.3	71.4	85.3	85.1	76.6	68.8	68.1	61.2	94.6	94.1	89.2	96.5	96.2	91.3	76.4	76	75.6	75.3	74.9	72.8	70.4	64.5	63.9	62.8	25.6	43.7	56	58.3	61.7	68.8	65.1	56.7	54.2		
21	11/11/2022	1:50:00 PM	1:51:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	75.1	72.5	69.4	78.2	77.7	73.4	66.3	65.2	59.6	90.9	90.3	87.2	92.7	91.7	92.8	73.2	72.8	72.4	72.2	72.1	71.2	68.9	64.9	61.7	59.7	24.4	38.4	49.3	54.2	60.9	66.8	62.9	66.7	49.2		
22	11/11/2022	1:51:00 PM	1:52:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	74.8	74.3	70.7	82.7	82.4	77.0	66.1	64.9	57.1	92.6	92.1	88.5	94.7	94.7	90.9	76.6	76.4	76	75.5	75	72.7	67.1	60.5	58	57.3	25.2	41.3	51.3	57.1	62.3	68.2	64.3	53.8	42.1		
23	11/11/2022	1:52:00 PM	1:53:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	74.5	73.5	70.0	84.1	82.4	75.8	65.0	63.2	57.3	92.3	91.3	87.8	96.2	95.7	89.3	76.6	76.8	73.8	73.4	73.3	72.2	69	59.7	58.3	57.4	28.5	41.8	47.1	54.1	60.8	67.5	64.2	53.8	42.7		
24	11/11/2022	1:53:00 PM	1:54:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	72.8	72.2	67.8	80.8	80.2	75.3	64.7	63.6	55.9	90.6	90.0	85.6	92.3	90.6	88.8	75	74.5	73.5	72.8	72.2	68.9	65.1	57.5	56.3	56	24.3	39.7	51	52.1	58.8	65.7	61.5	50.7	39.3		
25	11/11/2022	1:54:00 PM	1:55:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	71.9	71.1	67.3	80.8	79.7	75.1	65.0	63.7	53.9	89.7	88.9	85.1	92.6	92.7	90.2	74.8	74.2	72.8	72.2	71.7	69.3	64.2	55.9	55	54.4	23.7	38.7	46.7	54.5	58	65.3	60.5	49.7	38.9		
572	11/11/2022	2:13:41 PM	2:14:00 PM	00:00:19	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	70.8	69.8	59.8	74.7	73.8	65.6	66.7	65.6	55.5	83.6	82.6	72.6	86.7	86.5	88.8	65.5	65.5	64.7	64	63.5	60.9	57.6	55.7	55.6	55.5	22.5	40.6	49.5	47.6	50.5	57.7	51.8	39.7	28.5		
27	11/11/2022	2:14:00 PM	2:15:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	76.7	76.0	62.1	83.7	83.2	68.1	66.5	65.5	54.6	94.5	93.8	79.9	92.8	92.2	79.3	67.9	67.8	67.2	66.8	65.9	63	60.3	55.9	55.5	54.6	25.1	46.1	57.2	56.1	52.8	57.4	51.5	41.8	29.9		
28	11/11/2022	2:15:00 PM	2:16:00 PM	00:01:00	Auto	Low	Mic	Slow	dBA	No	No	13.99mV/Pa	68.7	67.7	60.7	71.9	70.8	6																														

Start Time	-37.0836 = conversion of the 10.02 mV/Pa sensitivity* 2.1 = apparent adjustment to dB that needs to be offset																																		
	LZeq	LCeq	LAeq	LZmax	LCmax	LAmx	LZmin	LCmin	L Amin	LZE	LCE	LAE	LZpeak	LCpeak	LApeak	0.01	0.02	0.05	0.08	0.1	0.25	0.5	0.9	0.95	0.99 1/1 Oct. (dBA)	31.5	63	125	250	500	1000	2000	4000	8000	
0																																			
1:23:55 PM	63.6	61.6	50.9	66.8	65.5	56.9	59.1	57.0	43.4	81.4	79.4	68.7	78.6	77.3	74.0	56.4	56.2	55.3	53.7	53.4	51.9	50.2	45.0	44.4	43.7	19.1	32.3	38.1	41.8	44.2	47.4	43.3	33.9	24.9	
1:25:15 PM	62.3	59.8	50.6	64.4	62.3	54.9	59.7	57.1	45.3	78.8	76.3	67.1	77.4	74.5	72.3	54.7	54.2	53.8	53.6	53.4	52.5	49.1	46.1	45.7	45.4	18.2	28.5	36.8	41.0	43.7	47.9	42.2	32.9	24.3	
1:26:00 PM	61.9	60.4	53.1	67.8	67.2	62.7	58.1	55.9	44.5	79.7	78.2	70.9	86.0	84.7	83.7	62.1	61.2	59.5	56.7	55.8	52.7	50.8	46.4	46.0	45.0	16.6	27.3	39.4	42.8	46.7	49.8	45.1	40.2	31.1	
1:27:00 PM	61.1	59.2	49.7	65.5	63.8	54.7	57.8	55.4	43.3	78.9	77.0	67.5	77.7	78.3	75.8	53.5	52.9	52.4	52.0	51.8	50.9	49.6	45.6	44.4	43.5	18.4	28.5	34.0	38.8	41.5	46.7	43.7	32.5	23.3	
1:28:00 PM	62.0	61.0	54.6	69.5	68.9	61.1	56.3	54.1	37.6	79.8	78.8	72.4	81.0	80.6	78.8	60.5	60.2	59.1	58.5	58.2	56.5	52.7	43.8	39.1	37.9	15.5	30.1	37.6	42.1	50.6	51.7	42.6	32.1	24.3	
1:29:00 PM	62.4	60.4	53.2	67.1	65.5	60.1	57.5	54.6	43.8	80.2	78.2	71.0	80.0	79.9	78.9	59.1	58.7	57.9	56.9	56.5	54.2	51.7	46.8	45.7	44.1	17.4	29.1	36.7	41.6	47.2	50.3	44.6	39.6	29.6	
1:30:00 PM	63.3	61.8	51.7	70.8	70.0	57.5	57.3	54.2	40.4	81.1	79.6	69.5	82.6	80.4	76.1	57.2	57.1	56.8	56.3	55.5	52.8	50.9	42.0	41.0	40.5	15.8	32.9	40.0	41.9	44.3	48.6	44.1	35.6	25.6	
1:31:00 PM	65.3	63.8	49.9	72.3	71.5	56.8	61.1	58.9	41.6	83.1	81.6	67.7	82.3	81.1	70.0	56.5	56.0	54.5	53.5	53.0	50.6	48.7	46.0	44.9	41.9	19.5	35.3	41.9	44.8	42.0	44.7	40.7	31.4	23.6	
1:32:00 PM	62.7	60.9	50.2	65.2	64.3	57.0	60.5	58.3	40.2	80.5	78.7	68.0	77.8	76.8	74.7	56.8	56.3	55.3	52.5	52.0	50.5	49.0	44.3	43.3	40.4	18.5	30.3	39.7	41.7	43.0	46.6	42.7	33.4	25.5	
1:33:00 PM	62.7	61.3	51.7	65.8	64.9	56.8	59.4	57.1	44.6	80.5	79.1	69.5	79.5	77.8	72.1	56.5	56.2	54.8	54.3	54.1	52.7	51.4	47.7	45.4	44.8	17.8	30.9	39.6	43.1	44.3	48.4	44.5	34.4	24.1	
1:34:00 PM	67.4	66.7	56.3	76.9	76.7	67.7	57.7	55.6	44.2	85.2	84.5	74.1	88.9	89.3	81.2	67.4	66.9	64.3	61.6	60.3	52.8	50.5	45.3	44.6	44.3	19.0	36.2	45.0	52.1	52.2	48.5	44.7	35.5	25.8	
1:35:00 PM	62.4	60.6	51.2	68.3	67.8	59.0	56.8	54.5	40.3	80.2	78.4	69.0	81.6	80.1	76.2	58.7	58.0	57.1	54.8	54.4	52.4	48.9	42.1	41.0	40.4	16.9	30.8	38.5	41.1	43.9	47.7	44.4	34.2	24.8	
1:36:00 PM	62.4	61.4	52.3	67.3	67.0	58.6	57.0	55.4	45.1	80.2	79.2	70.1	78.4	79.0	77.8	58.3	58.1	57.6	57.0	56.7	51.7	49.8	46.8	46.2	45.3	16.0	30.3	41.1	43.1	44.3	48.8	45.4	34.7	24.3	
1:37:00 PM	58.2	56.5	48.3	63.0	61.6	55.6	54.1	51.9	41.4	76.0	74.3	66.1	80.6	80.2	78.7	55.2	54.7	53.0	52.2	51.7	49.9	45.5	42.2	41.9	41.6	13.3	26.5	33.2	37.5	40.8	45.5	41.6	30.5	23.2	
1:38:00 PM	58.0	56.8	51.1	60.0	59.0	54.7	55.6	53.8	44.9	65.0	63.8	58.1	74.0	73.9	72.4	54.7	54.6	54.6	54.4	54.2	48.5	45.9	45.3	45.0	44.9	12.6	24.5	34.9	36.5	43.2	49.0	43.1	33.0	26.4	
0																																			
1:45:01 PM	71.4	70.5	66.3	77.2	76.5	71.2	64.1	62.8	56.0	89.1	88.2	84.0	91.4	89.9	84.5	71.0	70.9	70.4	69.9	69.4	67.8	66.1	57.1	56.7	56.3	24.2	38.2	47.8	51.5	57.4	64.0	60.0	49.7	38.5	
1:46:00 PM	69.8	69.1	65.9	75.3	74.2	72.4	62.0	60.7	53.6	87.6	86.9	83.7	87.6	87.4	86.0	72.2	71.8	71.0	70.6	70.4	68.7	61.6	54.9	54.6	53.7	22.1	35.8	44.5	50.9	57.5	63.8	59.2	48.5	37.6	
1:47:00 PM	71.8	71.3	68.7	78.4	78.1	74.7	63.9	62.9	59.9	89.6	89.1	86.5	90.5	91.3	88.4	74.5	74.1	72.3	71.8	71.8	70.6	66.5	62.2	60.6	60.0	22.1	36.9	46.4	53.6	60.1	66.7	61.7	50.9	39.4	
1:48:00 PM	73.5	73.0	67.4	85.1	84.7	75.0	60.7	58.4	47.0	91.3	90.8	85.2	95.8	95.7	89.3	74.7	74.1	72.6	72.2	72.0	69.8	64.3	49.8	47.4	47.1	22.4	42.1	50.9	56.8	59.0	65.0	60.1	49.1	37.3	
1:49:00 PM	74.7	74.2	69.3	83.2	83.0	74.5	66.7	66.0	59.1	92.5	92.0	87.1	94.4	94.1	89.2	74.3	73.9	73.5	73.2	72.8	70.7	68.3	62.4	61.8	60.7	23.5	41.6	53.9	56.2	59.6	66.7	63.0	54.6	52.1	
1:50:00 PM	71.0	70.4	67.3	76.1	75.6	71.3	64.2	63.1	57.5	88.8	88.2	85.1	90.6	89.6	80.7	71.1	70.7	70.3	70.1	70.0	69.1	66.8	62.8	59.6	57.6	22.3	36.3	47.2	52.1	58.8	64.7	60.8	54.6	47.1	
1:51:00 PM	72.7	72.2	68.6	80.6	80.3	74.9	64.0	62.8	55.0	90.5	90.0	86.4	92.6	92.6	88.8	74.5	74.3	73.9	73.4	72.9	70.6	65.0	58.4	55.9	55.2	23.1	39.2	49.2	55.0	60.2	66.1	62.2	51.4	40.0	
1:52:00 PM	72.4	71.4	67.9	82.0	80.3	73.7	62.9	61.1	55.2	90.2	89.2	85.7	94.1	93.6	87.2	73.5	72.7	71.7	71.3	71.2	70.1	66.9	57.6	56.2	55.3	26.4	44.9	49.7	52.0	58.7	65.4	62.1	51.7	40.6	
1:53:00 PM	70.7	70.1	65.7	78.7	78.1	73.2	62.6	61.5	53.8	88.5	87.9	83.5	90.2	88.5	86.7	72.9	72.4	71.4	70.7	70.1	66.8	63.0	55.4	54.2	53.9	22.2	37.6	48.9	50.0	56.7	63.6	59.4	48.6	37.2	
1:54:00 PM	69.8	69.0	65.2	78.7	77.6	73.0	62.9	61.6	51.8	87.6	86.8	83.0	90.5	90.6	88.1	72.7	72.1	70.7	70.1	69.6	67.2	62.1	53.8	52.9	52.3	21.6	36.6	44.6	52.4	55.9	63.2	58.4	47.6	36.8	
0																																			
2:13:41 PM	68.7	67.7	57.7	72.6	71.7	63.5	64.6	63.5	53.4	81.5	80.5	70.5	84.6	84.4	86.7	63.4	63.4	62.6	61.9	61.4	58.8	55.5	53.6	53.5	53.4	20.4	38.5	47.4	45.5	48.4	55.6	49.7	37.6	26.4	
2:14:00 PM	74.6	73.9	60.0	81.6	81.1	66.0	64.4	63.4	52.5	92.4	91.7	77.8	90.7	90.7	77.2	65.8	65.7	65.1	64.7	63.8	60.9	58.2	53.8	53.4	52.5	23.0	44.0	55.1	54.0	50.7	55.3	49.4	39.7	27.8	
2:15:00 PM	66.6	65.6	58.6	69.8	68.7	63.8	61.0	60.0	49.4	84.4	83.4	76.4	82.4	81.3	77.7	63.4	62.1	61.7	61.5	60.6	57.7	51.4	50.3	49.6	19.6	34.6	44.1	48.5	50.4	56.2	50.5	39.6	27.2		
2:16:00 PM	67.4	66.7	60.3	72.6	72.2	66.4	60.8	59.8	52.0	85.2	84.5	78.1	84.6	84.7	81.9	66.1	65.7	64.9	63.9	62.3	58.6	52.7	52.5	52.1	19.4	35.5	45.2	49.2	52.6	58.3	51.4	40.7	29.5		
2:17:00 PM	71.1	70.6	61.0	81.7	81.6	70.8	63.0	61.8	52.3	88.9	88.4	78.8	92.2	92.2	81.6	70.3	69.0	66.5	64.4	63.8	60.8	58.7	54.3	53.6	52.4	21.3	36.5	50.0	58.2	51.7	56.5	50.2	39.6	30.2	
2:18:00 PM	66.9	66.0	58.6	70.2	69.3	63.6	61.2	60.2	51.0	84.7	83.8	76.4	82.8	83.8	79.4	63.3	63.0	62.5	62.3	62.1	60.1	57.5	53.4	52.5	51.2	18.8	36.1	44.0	49.0	50.6	56.3	50.0	39.6	27.1	
2:19:00 PM	79.8	79.5	69.4	90.7	90.5	81.8	64.2	62.5	46.7	97.6	97.3	87.2	102.8	102.0	99.1	81.0	80.0	77.8	75.0	73.9	63.2	58.0	49.4	49.0	46.9	22.4	47.1	60.0	65.4	62.5	64.0	57.1	52.4	41.2	
2:20:00 PM	69.7	68.7	55.8	79.3	78.5	60.9	62.6	59.9	43.4	87.5	86.5	73.6	85.9	86.0	81.3	60.7	60.4	59.4	59.1	59.1	58.0	55.1	46.7	46.4	43.6	20.4	41.9	42.4	48.9	48.3	52.2	46.6	39.3	30.7	
2:21:00 PM	68.3	66.4	58.3	75.8	72.2	65.4	60.2	58.9	49.0	86.1	84.2	76.1	90.7	90.2	91.7	65.0	64.1	63.1	62.7	62.6	60.0	54.6	50.0	49.4	49.1	20.9	36.0	44.1	49.5	51.2	54.9	49.9	45.6	37.3	
2:22:00 PM	70.6	69.8	58.9	78.6	77.9	64.8	59.9	58.2	48.2	88.4	87.6	76.7	94.1	92.2	96.0	64.5	64.2	63.9	63.7	63.4	60.1	56.4	52.5	51.5	48.8	22.3	41.4	48.6	49.0	51.0	56.1	49.8	43.5	37.7	
2:23:01 PM	65.8	65.0	59.6	66.8	66.0	61.0	64.0	63.0	55.0	71.8	71.0	65.6	79.8	79.5	75.8	61.0	60.9																		

from *Electric Power Plant Environmental Noise Guide* (Edison Electric Institute 1984), p. 4-17

5 = number of E-Rock machines in a string or row served by the transformer

0.45 = MVA per E-Rock machine (from specs) 74 = ref dBA PWL

Medium Voltage Transformer 1/1 OBCF PWL (dB)										
Hz	<u>31</u>	<u>63</u>	<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>8000</u>	Overall
PWL (unweighted)	71	77	79	74	74	68	63	58	51	83.1
A-wtd PWL	32	51	63	65	71	68	64	59	50	74.5

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85
 allowable hours over which Leq is to be averaged = 8

5 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (w/out barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)														
Site Preparation	grader	1	40	85	Graders	2835	0.1		42.3	8	480	38	5	5	0	2830	5	2835	2830.0	7.1	2835.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	scraper	1	40	84	Scrapers	2885	0.1		41.1	8	480	37	5	5	0	2880	5	2885	2880.0	7.1	2885.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	tractor	1	40	84	Tractors/Loaders/Backhoes	2935	0.1		40.9	7	420	36	5	5	0	2930	5	2935	2930.0	7.1	2935.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
Total for Site Preparation Phase:												42.1																														
Grading	grader	1	40	85	Graders	2835	0.1		42.3	8	480	38	5	5	0	2830	5	2835	2830.0	7.1	2835.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	dozer	1	40	82	Rubber Tired Dozers	2935	0.1		38.9	8	480	35	5	5	0	2930	5	2935	2930.0	7.1	2935.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	tractor	2	40	84	Tractors/Loaders/Backhoes	2885	0.1		41.1	7	420	40	5	5	0	2880	5	2885	2880.0	7.1	2885.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
Total for Grading Phase:												42.8																														
Trenching	all other equipment > 5 hp	1	50	85	Default Equipment	2885	0.1		42.1	8	480	39	5	5	0	2880	5	2885	2880.0	7.1	2885.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	flat bed truck	1	40	74	Flatbed Truck	2935	0.1		30.9	7	420	26	5	5	0	2930	5	2935	2930.0	7.1	2935.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
Total for Trenching Phase:												39.3																														
Civil Construction / Generator Installation	crane	1	16	81	Cranes	2985	0.1		37.7	8	480	30	5	5	0	2980	5	2985	2980.0	7.1	2985.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	tractor	2	40	84	Forklifts	3035	0.1		40.5	8	480	40	5	5	0	3030	5	3035	3030.0	7.1	3035.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	generator	1	50	72	Generator Sets	2835	0.1		29.3	8	480	26	5	5	0	2830	5	2835	2830.0	7.1	2835.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	tractor	1	40	84	Tractors/Loaders/Backhoes	2935	0.1		40.9	8	480	37	5	5	0	2930	5	2935	2930.0	7.1	2935.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
	welder / torch	3	40	73	Welders	2885	0.1		30.1	8	480	31	5	5	0	2880	5	2885	2880.0	7.1	2885.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1														
Total for Civil Construction / Generator Installation Phase:												42.2																														

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = **85**
 allowable hours over which Leq is to be averaged = **1**

5 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 1-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (w/out barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Site Preparation	grader	1	40	85	Graders	295	0.1		65.1	1	60	61	5	5	0	290	5	295	290.0	7.1	295.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	0	40	84	Scrapers	345	0.1		62.6	1	60	0	5	5	0	340	5	345	340.0	7.1	345.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	0	40	84	Tractors/Loaders/Backhoes	395	0.1		61.3	1	60	0	5	5	0	390	5	395	390.0	7.1	395.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Site Preparation Phase:												61.1																
Grading	grader	1	40	85	Graders	295	0.1		65.1	1	60	61	5	5	0	290	5	295	290.0	7.1	295.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	0	40	82	Rubber Tired Dozers	395	0.1		59.3	1	60	0	5	5	0	390	5	395	390.0	7.1	395.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	0	40	84	Tractors/Loaders/Backhoes	345	0.1		62.6	1	60	0	5	5	0	340	5	345	340.0	7.1	345.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Grading Phase:												61.1																
Trenching	all other equipment > 5 hp	1	50	85	Default Equipment	345	0.1		63.6	1	60	61	5	5	0	340	5	345	340.0	7.1	345.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	flat bed truck	0	40	74	Flatbed Truck	395	0.1		51.3	1	60	0	5	5	0	390	5	395	390.0	7.1	395.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Trenching Phase:												60.6																
Civil Construction / Generator Installation	crane	0	16	81	Cranes	445	0.1		57.1	1	60	0	5	5	0	440	5	445	440.0	7.1	445.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	0	40	84	Forklifts	495	0.1		59.1	1	60	0	5	5	0	490	5	495	490.0	7.1	495.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	0	50	72	Generator Sets	295	0.1		52.1	1	60	0	5	5	0	290	5	295	290.0	7.1	295.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	395	0.1		61.3	1	60	57	5	5	0	390	5	395	390.0	7.1	395.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	0	40	73	Welders	345	0.1		51.6	1	60	0	5	5	0	340	5	345	340.0	7.1	345.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Civil Construction / Generator Installation Phase:												57.3																

To User: bordered cells are inputs, unbordered cells have formulae

noise level limit for construction phase, per Cal/OSHA guidance "action level" = 85
 allowable hours over which Leq is to be averaged = 1

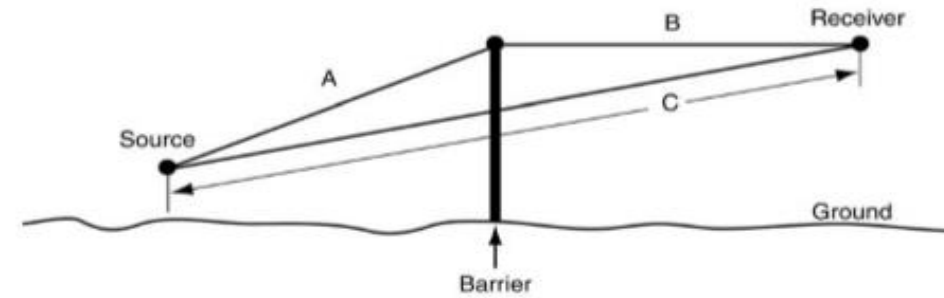
temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 1-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (w/out barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Site Preparation	grader	1	40	85	Graders	455	0.1		60.9	1	60	57	5	5	0	450	5	455	450.0	7.1	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	scraper	1	40	84	Scrapers	505	0.1		58.9	1	60	55	5	5	0	500	5	505	500.0	7.1	505.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	555	0.1		58.0	1	60	54	5	5	0	550	5	555	550.0	7.1	555.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Site Preparation Phase:																												
												60.3																
Grading	grader	1	40	85	Graders	455	0.1		60.9	1	60	57	5	5	0	450	5	455	450.0	7.1	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	dozer	1	40	82	Rubber Tired Dozers	555	0.1		56.0	1	60	52	5	5	0	550	5	555	550.0	7.1	555.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	2	40	84	Tractors/Loaders/Backhoes	505	0.1		58.9	1	60	58	5	5	0	500	5	505	500.0	7.1	505.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Grading Phase:																												
												61.1																
Trenching	all other equipment > 5 hp	1	50	85	Default Equipment	505	0.1		59.9	1	60	57	5	5	0	500	5	505	500.0	7.1	505.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	flat bed truck	1	40	74	Flatbed Truck	555	0.1		48.0	1	60	44	5	5	0	550	5	555	550.0	7.1	555.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Trenching Phase:																												
												57.1																
Civil Construction / Generator Installation	crane	1	16	81	Cranes	605	0.1		54.2	1	60	46	5	5	0	600	5	605	600.0	7.1	605.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	2	40	84	Forklifts	655	0.1		56.4	1	60	55	5	5	0	650	5	655	650.0	7.1	655.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	generator	1	50	72	Generator Sets	455	0.1		47.9	1	60	45	5	5	0	450	5	455	450.0	7.1	455.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	tractor	1	40	84	Tractors/Loaders/Backhoes	555	0.1		58.0	1	60	54	5	5	0	550	5	555	550.0	7.1	555.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
	welder / torch	3	40	73	Welders	505	0.1		47.9	1	60	49	5	5	0	500	5	505	500.0	7.1	505.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total for Civil Construction / Generator Installation Phase:																												
												58.8																

Equipment Description	Impact Device?	Acoustical Use Factor (%)	Lesser of or available Lmax	Spec. 721 Lmax	Measured L _{max} @50ft (dBA, slow)
All Other Equipment > 5 HP	No	50	85	85	-- N/A --
Auger Drill Rig	No	20	84	85	84
Backhoe	No	40	78	80	78
Bar Bender	No	20	80	80	-- N/A --
Blasting	Yes	-- N/A --	94	94	-- N/A --
Boring Jack Power Unit	No	50	80	80	83
Chain Saw	No	20	84	85	84
Clam Shovel (dropping)	Yes	20	87	93	87
Compactor (ground)	No	20	80	80	83
Compressor (air)	No	40	78	80	78
Concrete Batch Plant	No	15	83	83	-- N/A --
Concrete Mixer Truck	No	40	79	85	79
Concrete Pump Truck	No	20	81	82	81
Concrete Saw	No	20	90	90	90
Crane	No	16	81	85	81
Dozer	No	40	82	85	82
Drill Rig Truck	No	20	79	84	79
Drum Mixer	No	50	80	80	80
Dump Truck	No	40	76	84	76
Excavator	No	40	81	85	81
Flat Bed Truck	No	40	74	84	74
Front End Loader	No	40	79	80	79
Generator	No	50	72	72	81
Generator (<25KVA, VMS signs)	No	50	70	70	73
Gradall	No	40	83	85	83
Grader	No	40	85	85	-- N/A --
Grapple (on backhoe)	No	40	85	85	87
Horizontal Boring Hydr. Jack	No	25	80	80	82
Hydra Break Ram	Yes	10	90	90	-- N/A --
Impact Pile Driver	Yes	20	95	95	101
Jackhammer	Yes	20	85	85	89
Man Lift	No	20	75	85	75
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	90
Pavement Scarifier	No	20	85	85	90
Paver	No	50	77	85	77
Pickup Truck	No	40	55	55	75
Pneumatic Tools	No	50	85	85	85
Pumps	No	50	77	77	81
Refrigerator Unit	No	100	73	82	73
Rivit Buster/chipping gun	Yes	20	79	85	79
Rock Drill	No	20	81	85	81
Roller	No	20	80	85	80
Sand Blasting (Single Nozzle)	No	20	85	85	96
Scraper	No	40	84	85	84
Shears (on backhoe)	No	40	85	85	96
Slurry Plant	No	100	78	78	78
Slurry Trenching Machine	No	50	80	82	80
Soil Mix Drill Rig	No	50	80	80	-- N/A --
Tractor	No	40	84	84	-- N/A --
Vacuum Excavator (Vac-truck)	No	40	85	85	85
Vacuum Street Sweeper	No	10	80	80	82
Ventilation Fan	No	100	79	85	79
Vibrating Hopper	No	50	85	85	87
Vibratory Concrete Mixer	No	20	80	80	80
Vibratory Pile Driver	No	20	95	95	101
Warning Horn	No	5	83	85	83
Welder / Torch	No	40	73	73	74

Source _{elev}	5.0	A _{horiz}	24.0	A	25.0
Receiver _{elev}	10.0	B _{horiz}	38.0	B	38.1
C	62.2	C _{horiz}	62.0		
P	0.85				
Barrier _{elev}	12				
A _{barr}	12.3				

Barrier Parameter P
 $P = A + B - C$



The above calculations, referring to inputs from the figure at right, helps a user estimate what barrier attenuation (A_{barr}) to expect (i.e., up to 15 per formula to right) based upon source height (above grade), barrier height, and receiver height, and the horizontal distances between the source and receiver to the barrier. The FTA-based formula in the worksheets use these path length (P) and A_{barr} values to determine the barrier's insertion loss.

For all other barriers, and for protrusion of terrain above the line of sight:	$A_{barrier} = \min \left\{ 15 \text{ or } \left[20 \times \log \left(\frac{2.51\sqrt{P}}{\tanh[4.46\sqrt{P}]} \right) + 5 \right] \right\}$
Barrier Insertion Loss	$IL_{barrier} = \max \left\{ 0 \text{ or } \left[A_{barrier} - 10(G_{NB} - G_B) \log \left(\frac{D}{50} \right) \right] \right\}$
<p><i>D</i> = closest distance between the receiver and the source, in feet <i>P</i> = path length difference, in feet (see figure below) <i>G_{NB}</i> = Ground factor G computed <i>without barrier</i> (see Figure 6-5) <i>G_B</i> = Ground factor G computed <i>with barrier</i> (see Figure 6-5)</p> <p>† The term "tanh(variable)" stands for hyperbolic tangent, available on many scientific calculators. If "tanh" is not available, then compute $E = \exp(\text{variable})$, and set $\tanh(\text{variable}) = (E - 1/E) / (E + 1/E)$, where $\exp(\text{variable})$ is the "exponential" function, also written as e^x on calculator keypads.</p>	

11/26/21, MCS:
the calculations herein assume the "In General" calculation of Heff per Figure 6-5, which then allows a calculation of "G" with and without barrier.

Sources: Transit Noise & Vibration Impact Assessment (FTA 2006)

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12	Column13	Column14	Column15	Column16	Column17	Column18	Column19	Column20	Column21	Column22	Column23	Column24	Column25	Column26	Column27	Column28	Column29	Column30	Column31	Column32	Column33	Column34	Column35	Column36	Column37	Column38	Column39	Column40	Column41	Column42	Column43	Column44	Column45	Column46	Column47	Column48	Column49
1	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Single	Low	Mic	Slow	dBa	No	No	13.99m/Pa	65.7	63.7	53.0	68.9	67.6	59.0	61.2	59.1	45.5	83.5	81.5	70.8	80.7	79.4	76.1	58.5	58.3	57.4	55.8	55.5	54	52.3	47.1	46.5	45.8	21.2	34.4	40.2	43.9	46.3	49.5	45.4	36	27		
2	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.4	61.8	52.7	66.5	64.4	57.0	61.8	59.2	47.4	80.9	78.4	69.2	79.5	76.6	74.4	58.6	58.3	57.4	55.7	55.5	54.6	51.2	48.2	47.8	47.5	20.3	30.6	38.9	43.1	45.8	50	44.3	35	26.4		
3	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.0	62.5	55.2	69.9	69.3	64.8	60.2	58.0	46.6	81.8	80.3	73.0	88.1	86.8	85.8	64.2	63.3	61.6	58.8	57.9	54.8	52.9	48.5	48.1	47.1	18.7	29.4	41.5	44.9	48.8	51.9	47.2	42.3	33.2		
4	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	63.2	61.3	51.8	67.6	65.9	58.8	59.9	57.5	45.4	81.0	79.1	69.6	79.8	78.4	75.9	58.6	58.3	57.4	55.7	55.5	54.1	51.1	47.7	46.5	45.6	19.5	30.6	36.1	40.9	43.6	48.8	45.8	34.6	25.4		
5	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.1	61.1	56.7	71.6	71.0	63.2	58.4	56.2	39.7	81.9	80.9	74.5	83.1	82.7	80.9	62.6	62.3	61.2	60.6	60.3	58.6	54.9	45.9	41.2	40	17.6	32.2	39.7	44.2	52.7	53.8	44.7	34.2	26.4		
6	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.5	62.5	55.3	69.2	67.6	62.2	59.6	56.7	45.9	82.3	80.3	73.1	82.1	82.0	81.0	61.2	60.8	60	59	58.6	56.3	53.8	48.9	47.8	46.2	19.5	31.2	38.8	43.7	49.3	52.4	46.7	41.7	31.7		
7	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	65.4	63.9	53.8	72.9	72.1	59.6	59.4	56.3	42.5	83.2	81.7	71.6	82.5	82.0	78.2	59.3	59.2	58.9	58.4	57.6	54.9	53	44.1	43.1	42.6	17.9	35	42.1	44	46.4	50.7	46.2	37.7	27.7		
8	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	67.4	65.9	52.0	74.4	73.6	58.9	63.2	61.0	43.7	85.2	83.7	69.8	84.4	83.2	72.1	58.6	58.1	56.6	55.6	55.1	52.7	50.8	48.1	47	44	21.6	37.4	44	46.9	44.1	46.8	42.8	33.5	25.7		
9	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.8	63.0	52.3	67.3	66.4	59.1	62.6	60.4	42.3	82.6	80.8	70.1	79.9	78.9	76.8	58.9	58.4	57.4	54.6	54.1	52.6	51.1	46.4	45.4	42.5	20.6	32.4	41.8	43.8	45.1	48.7	44.8	35.5	27.6		
10	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.8	63.4	53.8	67.9	67.0	58.9	61.5	59.2	46.7	82.6	81.2	71.6	79.9	79.2	76.2	58.6	58.3	56.9	56.4	56.2	54.8	53.5	49.8	47.5	46.9	19.9	33	41.7	45.2	46.4	50.5	46.6	35.5	26.2		
11	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	69.5	68.8	58.4	79.0	78.8	69.8	59.8	57.7	46.3	87.3	86.6	76.2	91.0	91.4	83.3	69.5	69	66.4	63.7	62.4	54.9	52.6	47.4	46.7	46.4	21.1	38.3	47.1	54.2	54.3	50.6	46.8	37.6	27.9		
12	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.5	62.7	53.3	70.4	69.9	61.1	58.9	56.6	42.4	82.3	80.5	71.1	83.7	82.2	78.3	60.8	60.1	59.2	56.9	56.5	54.5	51	44.2	43.1	42.5	19.9	32.9	40.6	43.2	46	49.8	46.5	36.3	26.9		
13	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	64.5	63.5	54.4	69.4	69.1	60.7	59.1	57.5	47.2	82.3	81.3	72.2	80.5	81.1	79.9	60.4	60.2	59.7	59.1	58.8	53.8	51.9	48.9	48.3	47.4	18.1	32.4	43.2	45.2	46.4	50.9	47.5	36.8	26.4		
14	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	60.3	58.6	50.4	65.1	63.7	57.7	56.2	44.0	43.5	78.1	76.4	68.2	82.7	82.3	80.8	57.3	56.8	55.1	54.3	53.8	52	47.6	44.3	44	43.2	15.4	26.4	35.3	38.6	40.9	47.6	43.7	32.6	25.3		
15	11/11/2022	12:35 PM	1:24:55 PM	00:00:05	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	60.1	58.9	53.2	62.1	61.1	56.8	57.7	55.9	47.0	81.1	79.5	67.1	85.9	85.2	76.1	60.6	60.7	56.7	56.5	56.3	50.6	48	47.4	47.1	47	14.7	26.6	37	38.6	45.3	51.1	45.2	35.1	28.5		
16	11/11/2022	12:35 PM	1:24:55 PM	00:00:59	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	73.5	72.6	68.4	79.3	78.6	73.3	66.2	64.9	58.1	91.2	90.3	86.1	93.5	92.0	86.6	73.1	73	72.5	72	71.5	69.9	68.2	59.2	58.8	58.4	26.3	40.3	49.9	53.6	59.5	66.1	62.1	51.8	40.6		
17	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	71.9	71.2	68.0	77.4	76.3	74.5	64.1	62.8	55.7	89.7	89.0	85.8	89.7	89.5	88.1	74.3	73.9	73.1	72.7	72.5	70.8	63.7	57	56.7	55.8	24.2	37.9	46.6	53	59.6	65.9	61.3	50.6	39.7		
18	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	73.9	73.4	70.8	80.5	80.2	76.8	66.0	65.0	62.0	91.7	91.2	86.6	92.5	92.5	93.4	76.6	76.2	74.4	73.9	72.7	68.6	64.3	62.7	62.1	24.2	39	48.5	53.7	62.2	68.8	63.8	53	41.5			
19	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	75.6	75.1	69.5	87.2	86.8	77.1	62.8	60.5	49.1	93.4	92.9	87.3	97.9	97.8	91.4	76.8	76.2	74.7	74.3	74.1	71.9	66.4	51.9	49.5	49.2	24.5	44.2	53	58.9	61.1	67.1	62.2	51.2	39.4		
20	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	76.8	76.3	71.4	85.3	85.1	76.6	68.8	68.1	61.2	94.6	94.1	89.2	96.5	96.2	91.3	76.4	76	75.6	75.3	74.9	72.8	70.4	64.5	63.9	62.8	25.6	43.7	56	58.3	61.7	68.8	65.1	56.7	54.2		
21	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	73.1	72.5	69.4	78.2	77.7	73.4	66.3	65.2	59.6	90.9	90.3	87.2	92.7	91.7	92.8	73.2	72.8	72.4	72.2	72.1	71.2	68.9	64.9	61.7	59.7	24.4	38.4	49.3	54.2	60.9	66.8	62.9	56.7	49.2		
22	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	74.8	74.3	70.7	82.7	82.4	77.0	68.1	64.9	57.1	92.6	92.1	88.5	94.7	94.7	90.9	76.6	76.4	76	75.5	75	72.7	67.1	60.5	58	57.3	25.2	41.3	51.3	57.1	62.3	68.2	64.3	53.5	42.1		
23	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	74.5	73.5	70.0	84.1	82.4	76.8	65.0	63.2	57.3	92.3	91.3	87.8	95.2	95.7	91.3	75.6	74.8	73.8	73.4	73.3	72.2	69	59.7	58.3	57.4	28.5	41.8	47.1	54.1	60.8	67.5	64.2	53.8	42.7		
24	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	72.8	72.2	67.8	80.8	80.2	75.3	64.7	63.6	55.9	90.6	90.0	85.6	92.3	90.6	88.8	75	74.5	73.5	72.8	72.2	68.9	65.1	57.5	56.3	56	24.3	39.7	51	52.1	58.8	65.7	61.5	50.7	39.3		
25	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	71.9	71.1	67.3	80.8	79.7	75.1	65.0	63.7	53.9	91.7	88.9	85.1	92.6	92.7	90.2	74.8	74.2	72.8	72.2	71.7	68.3	64.2	55.9	55	54.4	23.7	38.7	46.7	54.5	58	65.3	60.5	49.7	38.9		
26	11/11/2022	12:35 PM	1:24:55 PM	00:00:19	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	70.8	69.8	59.8	74.7	73.8	65.6	66.7	65.6	55.5	83.6	82.6	72.6	86.7	86.5	88.8	65.5	65.5	64.7	64	63.5	60.9	57.6	55.7	55.6	55.5	22.5	40.6	49.5	47.6	50.5	57.7	51.8	39.7	28.3		
27	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	76.7	76.0	71.9	83.7	83.2	68.1	66.5	65.5	54.6	94.5	93.8	89.5	92.8	92.2	89.2	67.9	67.8	67.2	66.8	65.9	63	60.3	55.9	55.5	54.6	25.1	46.1	57.2	56.1	52.8	57.4	51.5	41.8	29.9		
28	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	68.7	67.7	60.7	71.9	70.8	65.9	63.1	62.1	51.5	86.5	85.5	78.8	84.5	83.4	79.8	65.8	65.5	64.2	63.8	63.6	62.7	59.8	53.5	52.4	51.7	22.5	37.6	46.2	50.6	52.5	58.3	52.6	41.7	29.5		
29	11/11/2022	12:35 PM	1:24:55 PM	00:01:00	Auto	Low	Mic	Slow	dBa	No	No	13.99m/Pa	69.5	68.8	62.4	74.7																																