
APPENDIX D

NOISE

Summary	
File Name on meter	EF_H5.028
File Name on PC	SLM_0003788_EF_H5_028.001.dbin
Serial Number	0003788
Model	SoundExpert* LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
Description	Freeze Mini-Storage and Car Wash Project
Start	2017-04-21 11:28:22
Stop	2017-04-21 11:38:22
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0
Pre Calibration	2017-04-21 11:23:24
Post Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weighting	A Weighting		
Peak Weighting	A Weighting		
Detector	Slow		
Preamp	PRMLxTTL		
Microphone Correction	Off		
Integration Method	Exponential		
OBA Range	High		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	120.2 dB		
	A	C	Z
Under Range Peak	76.4	73.4	78.4 dB
Under Range Limit	25.2	24.8	31.2 dB
Noise Floor	15.9	15.7	21.3 dB

Results		
LASeq	53.8 dB	
LASE	81.6 dB	
EAS	16.104 µPa/h	
LASpeak (max)	2017-04-21 11:28:27	92.6 dB
LASmax	2017-04-21 11:28:45	63.9 dB
LASmin	2017-04-21 11:30:30	47.4 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 127.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise						
Ldn	LDay 07:00-23:00	LNight 23:00-07:00	Lden	LDay 07:00-19:00	Levening 19:00-23:00	LNight 23:00-07:00
	53.8	53.8	-99.9	53.8	53.8	-99.9
LCSeq	65.0 dB					
LASEq	53.8 dB					
LCSeq - LASEq	11.1 dB					
LAEq	55.1 dB					
LAEq	53.8 dB					
LAEq - LAeq	1.3 dB					
	A		C		Z	
Leq	53.8					
Ls(max)	63.9	2017/04/21 11:28:45	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Lf(max)	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Lj(max)	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Ls(min)	47.4	2017/04/21 11:30:30	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Lf(min)	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Lj(min)	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
Lpeak(max)	92.6	2017/04/21 11:28:27	-99.9	1970/01/01 0:00:00	-99.9	1970/01/01 0:00:00
# Overloads	0					
Overload Duration	0.0 s					
# OBA Overloads	0					
OBA Overload Duration	0.0 s					

Statistics	
LAS5.00	57.3 dB
LAS10.00	56.4 dB
LAS33.30	53.9 dB
LAS50.00	52.5 dB
LAS66.60	51.5 dB
LAS90.00	48.9 dB

Calibration History					
Preamp					
Direct	2017-01-03 10:54:35	-27.0	6.3	8.0	10.0
Direct	2017-01-03 10:30:13	-26.0	2.5	1.9	3.3
Direct	2014-07-01 09:45:44	-27.0	61.7	59.8	59.2
PRMLxTTL	2017-04-21 11:23:22	-26.5	37.9	45.8	40.7
PRMLxTTL	2017-03-31 13:13:53	-26.6	48.6	50.1	57.0
PRMLxTTL	2017-03-14 08:18:51	-26.6	42.4	46.2	50.2
PRMLxTTL	2017-03-10 10:18:04	-26.5	39.5	42.0	44.7
PRMLxTTL	2017-03-07 09:33:39	-26.7	48.9	57.7	47.9
PRMLxTTL	2017-03-07 09:33:11	-26.6	55.6	58.1	58.7
PRMLxTTL	2017-01-05 08:48:43	-26.7	68.6	63.6	62.0
PRMLxTTL	2017-01-05 08:46:51	-26.7	63.2	64.8	70.7
PRMLxTTL	2017-01-05 08:46:31	-26.7	68.4	61.4	68.9
PRMLxTTL	2017-01-04 10:29:48	-26.6	50.2	43.7	38.2
PRMLxTTL	2017-01-03 12:55:52	-26.5	52.0	54.0	56.7

Site 1 (SW property line residential property)

Noise Measurements

12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
7.7	-1.0	2.3	0.5	3.1	2.3	0.9	2.9	4.5	6.7	17.0	7.3	3.9	12.5	9.3	7.1	3.6	8.0	9.0	7.3	10.0	9.2	9.8	11.6	12.5	13.2	40.2	17.7	16.3	18.1	20.4	20.2	21.5

Site 2 (SE property line residential property)

Noise Measurements

Summary	
File Name on meter	EF_H5.029
File Name on PC	SLM_0003788_EF_H5_029.001.dbm
Serial Number	0003788
Model	SoundExpert* LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
Description	Freeze Mini-Storage and Car Wash Project
Start	2017-04-21 11:41:34
Stop	2017-04-21 11:51:34
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0
Pre Calibration	2017-04-21 11:23:22
Post Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxTTL		
Microphone Correction	Off		
Integration Method	Exponential		
OBA Range	High		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	120.2 dB		
	A	C	Z
Under Range Peak	76.4	73.4	78.4 dB
Under Range Limit	25.2	24.8	31.2 dB
Noise Floor	15.9	15.7	21.3 dB

Results		
LASeq	54.8 dB	
LASE	82.6 dB	
EAS	20.118 µPa/h	
LApeak (max)	2017-04-21 11:44:27	90.6 dB
LA5max	2017-04-21 11:46:18	68.3 dB
LA5min	2017-04-21 11:49:36	43.5 dB
SEA	-99.9 dB	
LA5 > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5 > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 127.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise						
Ldn	LDay 07:00-23:00	LNight 23:00-07:00	Lden	LDay 07:00-19:00	Levening 19:00-23:00	LNight 23:00-07:00
	54.8	54.8	-99.9	54.8	54.8	-99.9
LCSeq	64.8 dB					
LASeq	54.8 dB					
LCSeq - LASeq	10.0 dB					
LASeq	56.7 dB					
LAeq	54.8 dB					
LASeq - LAeq	1.9 dB					

Leq	
Leq	54.8
L5(max)	68.3
L5(min)	43.5
L5(ave)	54.8
L5(peak)	90.6
# Overloads	0
Overload Duration	0.0 s
# OBA Overloads	0
OBA Overload Duration	0.0 s

Statistics	
LAS5.00	60.6 dB
LAS10.00	57.3 dB
LAS33.30	52.7 dB
LAS50.00	50.6 dB
LAS66.60	48.9 dB
LAS90.00	46.2 dB

Calibration History	
Preamp	
Direct	2017-01-03 10:54:35
Direct	2017-01-03 10:30:13
Direct	2014-07-01 09:45:44
PRMLxTTL	2017-04-21 11:23:22
PRMLxTTL	2017-03-31 13:13:53
PRMLxTTL	2017-03-14 08:18:51
PRMLxTTL	2017-03-10 10:18:04
PRMLxTTL	2017-03-07 09:33:39
PRMLxTTL	2017-03-07 09:31:11
PRMLxTTL	2017-01-05 08:48:43
PRMLxTTL	2017-01-05 08:46:51
PRMLxTTL	2017-01-05 08:46:31
PRMLxTTL	2017-01-04 10:29:48
PRMLxTTL	2017-01-03 12:55:52

12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
7.7	-1.0	2.3	0.5	3.1	2.3	0.9	2.9	4.5	6.7	17.0	7.3	3.9	12.5	9.3	7.1	3.6	8.0	9.0	7.3	10.0	9.2	9.8	11.6	12.5	13.2	40.2	17.7	16.3	18.1	20.4	20.2	21.5
54.2	61.0	44.5	36.3	44.2	35.5	41.3	42.1	33.4	39.3	37.9	29.0	27.5	26.0	24.1	19.7	20.0	17.4	28.0	113.0	48.1	19.6	62.7	18.7	56.6	25.5	27.7	20.7	22.0	23.6	25.3	28.1	30.6
31.9	36.8	39.9	42.4	45.7	48.9	45.8	39.0	52.1	54.6	47.0	39.7	35.5	37.4	33.6	27.9	20.6	18.1	28.8	114.1	49.2	19.2	65.9	19.0	56.7	28.8	27.3	21.5	23.0	24.6	26.4	28.9	31.6
56.7	53.2	49.6	43.0	43.6	51.3	49.2	46.0	36.2	40.9	37.3	40.1	37.5	41.7	38.4	36.1	31.9	20.9	28.6	114.0	49.1	19.4	65.9	19.3	57.5	29.5	27.9	21.5	22.6	24.3	26.5	28.7	31.3
47.7	43.3	32.8	41.8	42.5	43.5	40.8	40.8	37.3	31.2	30.3	22.9	15.8	17.3	15.7	15.4	15.3	18.2	29.5	113.9	49.1	19.3	65.7	19.4	57.2	29.6	28.1	21.7	22.8	24.3	26.0	28.7	31.3
43.1	44.6	36.6	31.4	30.2	38.4	45.3	53.3	44.1	43.4	43.7	42.7	49.0	55.1	45.6	51.4	53.3	45.3	30.8	114.1	49.2	21.1	66.1	19.5	57.6	29.8	28.3	21.9	22.9	24.6	26.3	28.8	31.6
47.4	50.7	45.2	56.8	56.4	51.2	51.3	44.3	39.6	47.3	42.3	36.4	34.5	32.6	32.1	33.0	20.7	17.4	28.6	114.0	49.1	19.0	65.8	18.9	57.3	30.1	28.2	21.8	22.4	23.8	26.1	28.7	31.4
49.9	41.6	47.2	56.2	53.7	49.5	50.4	45.8	44.9	42.3	40.6	31.1	35.8	28.2	22.2	22.8	16.5	15.9	29.2	114.0	49.2	19.3	65.8	19.1	57.4	30.0	28.3	21.8	22.8	24.2	26.3	29.0	31.4
63.5	59.5	54.4	51.8	49.3	39.9	47.9	41.8	32.7	35.5	41.1	37.2	35.4	32.7	26.9	27.2	20.3	18.2	29.6	114.0	49.1	18.2	65.7	19.4	57.4	29.6	28.0	21.5	22.9	24.3	26.2	28.4	31.1
66.3	60.9	58.3	57.6	47.6	42.6	44.6	43.9	37.8	40.2	43.6	39.4	40.0	34.1	28.8	29.1	24.3	22.6	29.7	114.0	49.1	19.3	65.7	18.7	57.4	29.5	28.2	21.4	22.7	24.3	26.3	28.6	31.8
71.5	70.5	60.1	55.5	47.7	47.4	51.3	44.3	37.6	37.3	46.4	37.9	37.1	35.4	26.6	26.9	23.2	17.7	28.6	113.8	49.0	18.9	65.5	18.7	57.2	29.3	27.8	21.4	22.4	23.9	25.7	28.5	31.5
45.9	66.3	47.4	47.0	65.4	47.8	48.6	50.2	47.3	51.2	49.1	49.7	48.7	46.9	54.1	49.3	50.8	28.7	30.2	113.9	49.0	18.4	65.5	19.0	56.1	28.1	26.4	21.6	22.7	24.4	26.0	28.8	31.6
52.2	52.3	68.4	63.7	69.4	67.3	78.6	81.6	82.3	72.2	79.3	61.5	70.5	69.6	65.5	68.3	59.9	49.8	49.6	134.2	69.1	30.3	86.5	38.6	74.9	42.1	43.6	39.6	40.1	40.4	39.8	40.1	40.3

Summary	
File Name on meter	EF_H5.030
File Name on PC	SLM_0003788_EF_H5_030.001.dbm
Serial Number	0003788
Model	SoundExpert* LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
Description	Freeze Mini-Storage and Car Wash Project
Start	2017-04-21 11:53:13
Stop	2017-04-21 12:00:13
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0
Pre Calibration	2017-04-21 11:23:22
Post Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamp	PRMLxTTL		
Microphone Correction	Off		
Integration Method	Exponential		
OBA Range	High		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	120.2 dB		
	A	C	Z
Under Range Peak	76.4	73.4	78.4 dB
Under Range Limit	25.2	24.8	31.2 dB
Noise Floor	15.9	15.7	21.3 dB

Results		
LASeq	67.7 dB	
LASE	95.5 dB	
EAS	393.297 µPa/h	
LASpeak (max)	2017-04-21 12:00:31	98.5 dB
LASmax	2017-04-21 12:00:31	81.8 dB
LASmin	2017-04-21 11:59:29	49.5 dB
SEA	99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 127.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise														
Ldn	67.7	LDay 07:00-23:00	67.7	LNight 23:00-07:00	99.9	Lden	67.7	LDay 07:00-19:00	67.7	Levening 19:00-23:00	99.9	LNight 23:00-07:00	99.9	dB
LCSeq	74.3 dB													
LASeq	67.7 dB													
LCSeq - LASeq	6.6 dB													
LASeq	69.5 dB													
LAeq	67.7 dB													
LASeq - LAeq	1.8 dB													

Leq						
Leq	67.7					
Ls(max)	81.8	2017/04/21 12:00:31	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Lr(max)	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Lq(max)	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Ls(min)	49.5	2017/04/21 11:59:29	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Lr(min)	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Lq(min)	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
Lpeak(max)	98.5	2017/04/21 12:00:31	99.9	1970/01/01 0:00:00	99.9	1970/01/01 0:00:00
# Overloads	0					
Overload Duration	0.0 s					
# OBA Overloads	0					
OBA Overload Duration	0.0 s					

Statistics	
LAS5.00	73.1 dB
LAS10.00	71.5 dB
LAS33.30	66.1 dB
LAS50.00	63.1 dB
LAS66.60	59.9 dB
LAS90.00	53.2 dB

Calibration History						
Preamp		Date	dB re. 1V/Pa	6.3	8.0	10.0
Direct	2017-01-03 10:54:35		-27.0	2.5	1.9	3.3
Direct	2017-01-03 10:30:13		-26.0			
Direct	2014-07-01 09:45:44		-27.0	61.7	59.8	59.2
PRMLxTTL	2017-04-21 11:23:22		-26.5	37.9	45.8	40.7
PRMLxTTL	2017-03-31 13:15:53		-26.6	48.6	50.1	57.0
PRMLxTTL	2017-03-14 08:18:51		-26.6	42.4	46.2	50.2
PRMLxTTL	2017-03-10 10:18:04		-26.5	39.5	42.0	44.7
PRMLxTTL	2017-03-07 09:33:39		-26.7	48.9	57.7	47.9
PRMLxTTL	2017-03-07 09:31:11		-26.6	55.6	58.1	58.7
PRMLxTTL	2017-01-05 08:48:43		-26.7	68.6	63.6	62.0
PRMLxTTL	2017-01-05 08:46:51		-26.7	63.2	64.8	70.7
PRMLxTTL	2017-01-05 08:46:31		-26.7	68.4	61.4	68.9
PRMLxTTL	2017-01-04 10:29:48		-26.6	50.2	43.7	38.2
PRMLxTTL	2017-01-03 12:55:52		-26.5	52.0	54.0	56.7

Site 3 (SW corner project site - N. Mt. Shasta Boulevard/Ski Village Drive intersection)

Noise Measurements

12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
7.7	-1.0	2.3	0.5	3.1	2.3	0.9	2.9	4.5	6.7	17.0	7.3	3.9	12.5	9.3	7.1	3.6	8.0	9.0	7.3	10.0	9.2	9.8	11.6	12.5	13.2	40.2	17.7	16.3	18.1	20.4	20.2	21.5

Site 4 (W side site along N. Mt. Shasta Blvd.)

Noise Measurements

Summary	
File Name on meter	EF_H5.031
File Name on PC	SLM_0003788_EF_H5_031.010.dbin
Serial Number	0003788
Model	SoundExpert* LxT
Firmware Version	2.301
User	
Location	
Job Description	
Note	

Measurement	
Description	Freeze Mini-Storage and Car Wash Project
Start	2017-04-21 12:07:03
Stop	2017-04-21 12:17:03
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0
Pre Calibration	2017-04-21 11:23:22
Post Calibration	None
Calibration Deviation	---

Overall Settings			
RMS Weighting	A Weighting		
Peak Weighting	A Weighting		
Detector	Slow		
Preamp	PRMLxTTL		
Microphone Correction	Off		
Integration Method	Exponential		
OBA Range	High		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	A Weighting		
OBA Max Spectrum	At LMax		
Overload	120.2 dB		
	A	C	Z
Under Range Peak	76.4	73.4	78.4 dB
Under Range Limit	25.2	24.8	31.2 dB
Noise Floor	15.9	15.7	21.3 dB

Results		
LASeq	67.7 dB	
LASE	95.4 dB	
EAS	388.897 µPa/h	
LApeak (max)	2017-04-21 12:16:17	93.8 dB
LA5max	2017-04-21 12:16:17	79.7 dB
LA5min	2017-04-21 12:13:43	43.4 dB
SEA	-99.9 dB	
LA5 > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5 > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 127.0 dB (Exceedance Counts / Duration)	0	0.0 s
LA5peak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise														
Ldn	67.7	LDay 07:00-23:00	67.7	LNight 23:00-07:00	-99.9	Lden	67.7	LDay 07:00-19:00	67.7	Levening 19:00-23:00	-99.9	LNight 23:00-07:00	-99.9	dB
LCSeq	70.0 dB													
LASeq	67.7 dB													
LCSeq - LASeq	2.4 dB													
LASeq	69.8 dB													
LAeq	67.6 dB													
LASeq - LAeq	2.1 dB													
	A					C						Z		
Leq	67.6	Time Stamp		dB	Time Stamp		dB	Time Stamp		dB	Time Stamp			
L5(max)	79.7	2017/04/21 12:16:17		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
L5(min)	-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
L5(ave)	43.4	2017/04/21 12:13:43		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
L5(max)	-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
L5(min)	-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
L5(ave)	93.8	2017/04/21 12:16:17		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00		-99.9	1970/01/01 0:00:00			
# Overloads	0													
Overload Duration	0.0 s													
# OBA Overloads	0													
OBA Overload Duration	0.0 s													

Statistics	
LAS5.00	74.5 dB
LAS10.00	72.6 dB
LAS33.30	65.8 dB
LAS50.00	60.1 dB
LAS66.60	53.5 dB
LAS90.00	45.8 dB

Calibration History						
Preamp		Date	dB re. 1V/Pa	6.3	8.0	10.0
Direct	2017-01-03 10:54:35		-27.0	2.5	1.9	3.3
Direct	2017-01-03 10:30:13		-26.0			
Direct	2014-07-01 09:45:44		-27.0	61.7	59.8	59.2
PRMLxTTL	2017-04-21 11:23:22		-26.5	37.9	45.8	40.7
PRMLxTTL	2017-03-31 13:15:53		-26.6	48.6	50.1	57.0
PRMLxTTL	2017-03-14 08:18:51		-26.6	42.4	46.2	50.2
PRMLxTTL	2017-03-10 10:18:04		-26.5	39.5	42.0	44.7
PRMLxTTL	2017-03-07 09:33:39		-26.7	48.9	57.7	47.9
PRMLxTTL	2017-03-07 09:31:11		-26.6	55.6	58.1	58.7
PRMLxTTL	2017-01-05 08:48:43		-26.7	68.6	63.6	62.0
PRMLxTTL	2017-01-05 08:46:51		-26.7	63.2	64.8	70.7
PRMLxTTL	2017-01-05 08:46:31		-26.7	68.4	61.4	68.9
PRMLxTTL	2017-01-04 10:29:48		-26.6	50.2	43.7	38.2
PRMLxTTL	2017-01-03 12:55:52		-26.5	52.0	54.0	56.7

12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
7.7	-1.0	2.3	0.5	3.1	2.3	0.9	2.9	4.5	6.7	17.0	7.3	3.9	12.5	9.3	7.1	3.6	8.0	9.0	7.3	10.0	9.2	9.8	11.6	12.5	13.2	40.2	17.7	16.3	18.1	20.4	20.2	21.5
54.2	61.0	44.5	36.3	44.2	35.5	41.3	42.1	33.4	39.3	37.9	29.0	27.5	26.0	24.1	19.7	20.0	17.4	28.0	113.0	48.1	19.6	62.7	18.7	56.6	25.5	27.7	20.7	22.0	23.6	25.3	28.1	30.6
31.9	36.8	39.9	42.4	45.7	48.9	45.8	39.0	52.1	54.6	47.0	39.7	35.5	37.4	33.6	27.9	20.6	18.1	28.8	114.1	49.2	19.2	65.9	19.0	56.7	28.8	27.3	21.5	23.0	24.6	26.4	28.9	31.6
56.7	53.2	49.6	43.0	43.6	51.3	49.2	46.0	36.2	40.9	37.3	40.1	37.5	41.7	38.4	36.1	31.9	20.9	28.6	114.0	49.1	19.4	65.9	19.3	57.5	29.5	27.9	21.5	22.6	24.3	26.5	28.7	31.3
47.7	43.3	32.8	41.8	42.5	43.5	40.8	40.8	37.3	31.2	30.3	22.9	15.8	17.3	15.7	15.4	15.3	18.2	29.5	113.9	49.1	19.3	65.7	19.4	57.2	29.6	28.1	21.7	22.8	24.3	26.0	28.7	31.3
43.1	44.6	36.6	31.4	30.2	38.4	45.3	53.3	44.1	43.4	43.7	42.7	49.0	55.1	45.6	51.4	53.3	45.3	30.8	114.1	49.2	21.1	66.1	19.5	57.6	29.8	28.3	21.9	22.9	24.6	26.3	28.8	31.6
47.4	50.7	45.2	56.8	56.4	51.2	51.3	44.3	39.6	47.3	42.3	36.4	34.5	32.6	32.1	33.0	20.7	17.4	28.6	114.0	49.1	19.0	65.8	18.9	57.3	30.1	28.2	21.8	22.4	23.8	26.1	28.7	31.4
49.9	41.6	47.2	56.2	53.7	49.5	50.4	45.8	44.9	42.3	40.6	31.1	35.8	28.2	22.2	22.8	16.5	15.9	29.2	114.0	49.2	19.3	65.8	19.1	57.4	30.0	28.3	21.8	22.8	24.2	26.3	29.0	31.4
63.5	59.5	54.4	51.8	49.3	39.9	47.9	41.8	32.7	35.5	41.1	37.2	35.4	32.7	26.9	27.2	20.3	18.2	29.6	114.0	49.1	18.2	65.7	19.4	57.4	29.6	28.0	21.5	22.9	24.3	26.2	28.4	31.1
66.3	60.9	58.3	57.6	47.6	42.6	44.6	43.9	37.8	40.2	43.6	39.4	40.0	34.1	28.8	29.1	24.3	22.6	29.7	114.0	49.1	19.3	65.7	18.7	57.4	29.5	28.2	21.4	22.7	24.3	26.3	28.6	31.8
71.5	70.5	60.1	55.5	47.7	47.4	51.3	44.3	37.6	37.3	46.4	37.9	37.1	35.4	26.6	26.9	23.2	17.7	28.6	113.8	49.0	18.9	65.5	18.7	57.2	29.3	27.8	21.4	22.4	23.9	25.7	28.5	31.5
45.9	66.3	47.4	47.0	65.4	47.8	48.6	50.2	47.3	51.2	49.1	49.7	48.7	46.9	54.1	49.3	50.8	28.7	30.2	113.9	49.0	18.4	65.5	19.0	56.1	28.1	26.4	21.6	22.7	24.4	26.0	28.8	31.6
52.2	52.3	68.4	63.7	69.4	67.3	78.6	81.6	82.3	72.2	79.3	61.5	70.5	69.6	65.5	68.3	59.9	49.8	49.6	134.2	69.1	30.3	86.5	38.6	74.9	42.1	43.6	39.6	40.1	40.4	39.8	40.1	40.3

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Existing Conditions

Project Number: 1A Background Conditions
Project Name: Freeze Mini-Storage and Car Wash

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Source of Traffic Volumes: Abrams and Associates 2016, Crystal Geyser Traffic Study Figure 4: Existing AM/(PM) peak hour traffic volumes
 Community Noise Descriptor: L_{dn} : _____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway Distance to Contour				
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
N. Mt. Shasta Boulevard												
Spring Hill Drive to Ski Village Drive	2	0	3,195	35	0.5	1.8%	0.1%	52.9	-	-	34	72
Ski Village Drive to S. Nixon Road	2	0	2,952	35	0.5	1.8%	0.1%	52.6	-	-	-	69
Ski Village Drive												
N. Mt. Shasta Boulevard to Everitt Mem Hwy	2	0	1,737	35	0.5	1.8%	0.1%	50.3	-	-	-	48

Existing traffic volumes from Abrams Associates, *Transportation Impact Analysis Crystal Geyser Bottling Plant* (2016)

¹ Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Existing Plus Project Conditions

Project Number: 1B Background Conditions Plus Project
Project Name: Freeze Mini-Storage and Car Wash

Background Information

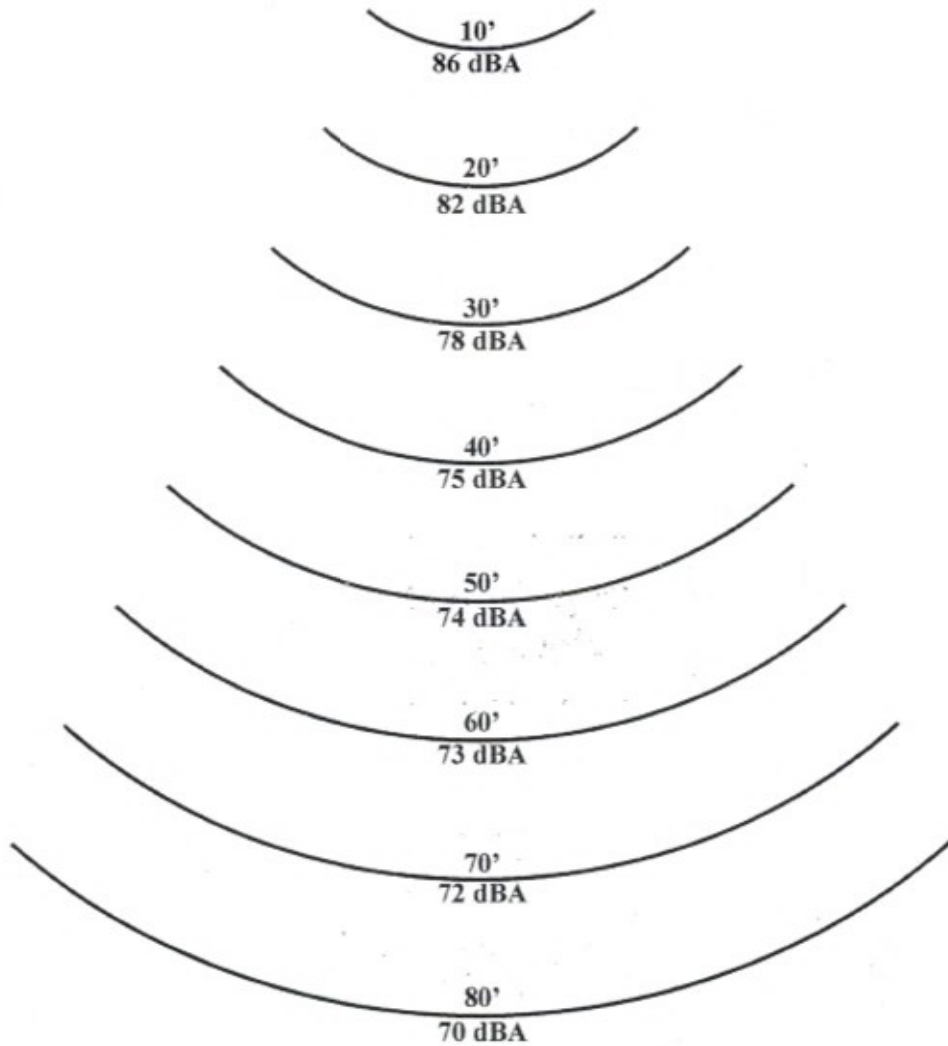
Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Source of Traffic Volumes: Project trip generation 50 trips per for car wash per applicant's engineer and ITE 10th edition for mini-storage.
 Community Noise Descriptor: L_{dn} : _____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway Distance to Contour				
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
N. Mt. Shasta Boulevard												
Spring Hill Drive to Ski Village Drive	2	0	4,050	35	0.5	1.8%	0.1%	53.9	-	-	39	85
Ski Village Drive to S. Nixon Road	2	0	3,807	35	0.5	1.8%	0.1%	53.7	-	-	38	81
Ski Village Drive												
N. Mt. Shasta Boulevard to Everitt Mem Hwy	2	0	2,592	35	0.5	1.8%	0.1%	52.0	-	-	-	63

¹ Distance is from the centerline of the roadway segment to the receptor location.
 "-" = contour is located within the roadway right-of-way.

**3-Nozzle Dryer
Noise Levels**



Note:

Noise levels depicted above were compiled and interpolated from test results performed under specific conditions. Conditions that can affect noise levels include ambient noise, model of dryer, number of air producers, dryer installation, building construction, surrounding structures, air temperature and prevailing winds.