

APPENDIX F

CONSTRUCTION NOISE WORKSHEETS

Monitoring Location: Site 1
Monitoring Date: 2/28/2019

Monitoring Period

Time	LAeq	LASmax	LASmin
9:16:04	62.8	76.8	50.2
9:17:04	54.7	61.6	48.4
9:18:04	53.0	59.3	47.9
9:19:04	54.8	58.0	51.3
9:20:04	61.4	69.7	51.0
9:21:04	58.9	67.4	49.3
9:22:04	58.0	66.0	51.6
9:23:04	57.6	63.3	50.8
9:24:04	58.1	62.4	51.6
9:25:04	56.6	61.9	51.8
9:26:04	61.2	71.4	52.3
9:27:04	56.2	63.8	51.2
9:28:04	62.5	68.3	55.3
9:29:04	59.5	67.2	51.3
9:30:04	58.3	68.0	50.2
9:31:04	61.0	66.4	52.3

15-minute LAeq

59.3

Monitoring Location: Site 2
Monitoring Date: 2/28/2019

Monitoring Period

Time	LAeq	LASmax	LASmin
8:59:05	62.4	72.3	53.5
9:00:05	61.6	69.3	51.1
9:01:05	64.2	70.8	56.8
9:02:05	58.5	68.3	51.9
9:03:05	61.5	70.6	53.2
9:04:05	61.6	66.4	53.8
9:05:05	60.5	64.3	56.1
9:06:05	62.2	70.1	54.7
9:07:05	61.0	68.7	55.2
9:08:05	60.5	66.5	53.3
9:09:05	58.6	66.5	54.1
9:10:05	62.8	68.8	58.3
9:11:05	62.1	71.4	54.3
9:12:05	63.1	70.5	52.9
9:13:05	61.0	70.5	54.6
9:14:05	59.6	62.4	57.6



15-minute LAeq

61.6

Monitoring Location: Site 3
Monitoring Date: 2/28/2019

Monitoring Period

Time	LAeq	LASmax	LASmin
9:35:12	59.0	66.7	51.9
9:36:12	57.6	64.0	53.6
9:37:12	54.4	59.2	51.8
9:38:12	59.5	67.7	53.8
9:39:12	58.1	65.0	54.7
9:40:12	56.8	60.1	54.1
9:41:12	56.2	59.3	53.7
9:42:12	58.4	64.3	54.1
9:43:12	55.7	57.8	53.5
9:44:12	59.2	63.9	55.1
9:45:12	59.0	61.1	56.6
9:46:12	58.8	62.5	55.2
9:47:12	59.1	68.0	54.9
9:48:12	54.3	57.1	51.3
9:49:12	51.6	55.4	47.5
9:50:12	49.6	51.0	48.7



15-minute LAeq

57.4



Desert Hot Springs Tech Building Project
NOISE MONITORING

Project and Task Number: 049-011-18	Date: 2/28/19
Project Name: Desert Hot Springs Building Project	Field Activity: Noise monitoring
Location: Desert Hot Springs	Weather: Clear skies, moderate breeze

PERSONNEL:	Name	Company	Time In	Time Out
	Gavin Heller	Meridian Consultants	8:45 AM	10:00 AM

PERSONAL SAFETY CHECKLIST

<input type="checkbox"/>	Protective Footwear	<input type="checkbox"/>	Hard Hat	<input checked="" type="checkbox"/>	Safety Vest
<input type="checkbox"/>	Safety Goggles	<input type="checkbox"/>		<input type="checkbox"/>	

TIME	DESCRIPTION OF WORK PERFORMED
9:16 AM	Site 1: Meter_3.25, GPS: 33.9648 N, 116.5184W
	Location: NW of Project Site
	Description: Near residential neighborhood
	North: Near residences
	South: Residences/Vacant
	East: Residences/Project Site
	West: Residences
	Activity: Light traffic, nature/birds, breezes
8:59 AM	Site 2: Meter_3.24, GPS: 33.9623 N, 116.5191 W
	Location: SW of Project Site
	Description: Near residential neighborhood
	North: Residence/Project Site
	South: Residences
	East: School
	West: Residences
	Activity: Light traffic, breezes
9:35 AM	Site 1: Meter_3.24, GPS: 33.9648 N, 116.5184W
	Location: NE of Project Site
	Description: South of Cholla/Fourth intersection
	North: School/Residences
	South: School/Residences
	East: Residences
	West: School
	Activity: Light traffic, nature/birds, breezes

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: #####

Case Descr DSHS Career Tech Building

---- Receptor #1 ----

		Baselines (dBA)		
Descriptor	Land Use	Daytime	Evening	Night
Site 1	Residential	59.3	59.3	59.3

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Forklift	No	40	85		60	0
Forklift	No	40	85		60	0
Backhoe	No	40		77.6	60	0
Backhoe	No	40		77.6	60	0

Results

		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Forklift	83.4	79.4	N/A	N/A	N/A	N/A	N/A	
Forklift	83.4	79.4	N/A	N/A	N/A	N/A	N/A	
Backhoe	76	72	N/A	N/A	N/A	N/A	N/A	
Backhoe	76	72	N/A	N/A	N/A	N/A	N/A	
Total	83.4	83.2	N/A	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Descriptor	Land Use	Daytime	Evening	Night
Site 2	Residential	61.6	61.6	61.6

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Forklift	No	40	85		620	0
Forklift	No	40	85		620	0
Backhoe	No	40		77.6	620	0
Backhoe	No	40		77.6	620	0

Results

		Calculated (dBA)		Noise Limits (dBA)		
				Day	Evening	Night

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Forklift	63.1	59.2	N/A	N/A	N/A	N/A	N/A
Forklift	63.1	59.2	N/A	N/A	N/A	N/A	N/A
Backhoe	55.7	51.7	N/A	N/A	N/A	N/A	N/A
Backhoe	55.7	51.7	N/A	N/A	N/A	N/A	N/A
Total	63.1	62.9	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Descriptor	Land Use	Daytime	Evening	Night
Site 3	Residential	57.4	57.4	57.4

Description	Impact	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)		
Forklift	No		40	40	85	1100	0
Forklift	No		40	40	85	1100	0
Backhoe	No		40	40		77.6 1100	0
Backhoe	No		40	40		77.6 1100	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Forklift	58.2	54.2	N/A	N/A	N/A	N/A	N/A
Forklift	58.2	54.2	N/A	N/A	N/A	N/A	N/A
Backhoe	50.7	46.7	N/A	N/A	N/A	N/A	N/A
Backhoe	50.7	46.7	N/A	N/A	N/A	N/A	N/A
Total	58.2	57.9	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)

	Day		Evening		Night	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A

Noise Limit Exceedance (dBA)

Day	Evening	Night
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Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Descr DSHS Career Tech Building

---- Receptor #1 ----

		Baselines (dBA)		
Descriptor	Land Use	Daytime	Evening	Night
Site 1	Residential	59.3	59.3	59.3

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	60	0

Results

		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Compressor (air)	76.1	72.1	N/A	N/A	N/A	N/A	N/A	
Total	76.1	72.1	N/A	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Descriptor	Land Use	Daytime	Evening	Night
Site 2	Residential	61.6	61.6	61.6

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	620	0

Results

		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Compressor (air)	55.8	51.8	N/A	N/A	N/A	N/A	N/A	
Total	55.8	51.8	N/A	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Descriptor	Land Use	Daytime	Evening	Night
Site 3	Residential	57.4	57.4	57.4

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	1100	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax
Compressor (air)	50.8	46.8	N/A	N/A	N/A	N/A	N/A
Total	50.8	46.8	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)

	Day		Evening		Night	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A