APPENDIX H

Noise Calculations

DUDEK
CREATOR OF KERATA TECHNOLOGY

FIELD DATA REPORT

Field Noise Measurement Data

Record: 433	
Project Name	*SBCDPW*
Project #	*8021*
Observer(s)	*Connor Burke*
Date	*2017-04-11*
autoemail	*cburke@dudek.com*

Meteorological Conditions	
Temp (F)	*70*
Humidity % (R.H.)	*56*
Wind	*Calm*
Wind Speed (MPH)	*2*
Wind Direction	*East*
Sky	*Sunny*

Instrument and Calibrator Information	
Instrument Name List	*(ENC) Rion NL-52*
Instrument Name	*(ENC) Rion NL-52*
Instrument Name Lookup Key	*(ENC) Rion NL-52*
Manufacturer	*Rion*
Model	*NL-52*
Serial Number	*553896*
Calibrator Name	*(ENC) LD CAL150*
Calibrator Name	*(ENC) LD CAL150*
Calibrator Name Lookup Key	*(ENC) LD CAL150*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL150*
Calibrator Serial #	*5152*
Pre-Test (dBA SPL)	*94*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*
ANSI?	*Yes*

Recordings	
Record #	*1*
Site ID	*M11*
Site Location	*Latitude:34.139568,* *Longitude:-116.060958,* *Altitude:609.923377,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:11:46:43 AM PDT*
Begin (Time)	*11:46:00*
End (Time)	*11:56:00*
Leq	*50.8*
Lmax	*67.1*
Lmin	*36.2*
Other Lx?	*L90, L50, L10*
L90	*36.8*
L50	*40.8*
L10	*53.8*
Other (Specify Metric)	

Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south towards Split Rock rd*

Recordings

Record #	*2*
Site ID	*M13*
Site Location	*Latitude:34.133448, Longitude:-116.306671, Altitude:816.575269, Speed:0.000000, Horizontal Accuracy:5.000000, Vertical Accuracy:3.000000, Time:12:22:43 PM PDT*
Begin (Time)	*12:22:00*
End (Time)	*12:32:00*
Leq	*43.9*
Lmax	*53.9*
Lmin	*34.9*
Other Lx?	*L90, L50, L10*
L90	*40.2*
L50	*42.7*
L10	*46.4*
Other (Specify Metric)	
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used	*Yes*

as previously notated?	
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south*

Recordings

Record #	*3*
Site ID	*M12*
Site Location	*Latitude:34.538850,* *Longitude:-117.275368,* *Altitude:857.779532,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:9:13:57 AM PDT*
Begin (Time)	*09:13:00*
End (Time)	*09:23:00*
Leq	*60.8*
Lmax	*67.7*
Lmin	*50.6*
Other Lx?	*L90, L50, L10*
L90	*55.7*
L50	*60.3*
L10	*63.2*
Primary Noise Source	*Traffic*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing north towards Happy Trails Hwy*

Recordings

Record #	*4*
Site ID	*M4*
Site Location	*Latitude:34.145003, Longitude:-117.493709, Altitude:441.862671, Speed:0.210000, Horizontal Accuracy:5.000000, Vertical Accuracy:8.000000, Time:10:16:25 AM PDT*
Begin (Time)	*10:16:00*
End (Time)	*10:26:00*
Leq	*57.8*
Lmax	*61*
Lmin	*54.6*
Other Lx?	*L90, L50, L10*
L90	*56.2*
L50	*57.7*
L10	*59.1*
Other (Specify Metric)	
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing east towards 15*

Recordings

Record #	*5*
Site ID	*M15*
Site Location	*Latitude:34.160106, Longitude:-117.659582, Altitude:702.874756, Speed:0.000000, Horizontal Accuracy:5.000000, Vertical Accuracy:6.000000, Time:10:49:33 AM PDT*
Begin (Time)	*10:49:00*
End (Time)	*10:59:00*
Leq	*49.4*
Lmax	*67.5*
Lmin	*34.4*
Other Lx?	*L90, L50, L10*
L90	*36.6*
L50	*44.4*
L10	*53*
Other (Specify Metric)	
Primary Noise Source	*Other*
Primary Noise Source Other	*Birds*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic, Rustling Leaves*
Other Noise Sources Additional Description	*Mailman getting packages out of truck.*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south.*

Recordings

Record #	*6*
Site ID	*M14*
Site Location	*Latitude:34.150539,* *Longitude:-117.639519,* *Altitude:576.080322,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:4.000000,* *Time:11:06:06 AM PDT*
Begin (Time)	*11:06:00*
End (Time)	*11:16:00*
Leq	*45.1*
Lmax	*59.1*
Lmin	*39*
Other Lx?	*L90, L50, L10*
L90	*40.4*
L50	*42.3*
L10	*47.7*
Other (Specify Metric)	
Primary Noise Source	*Other*
Primary Noise Source Other	*Resident working in garage*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing east.*

Recordings

Record #	*7*
Site ID	*M2*
Site Location	*Latitude:34.128006,* *Longitude:-117.630962,* *Altitude:454.688477,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:4.000000,* *Time:11:28:44 AM PDT*
Begin (Time)	*11:28:00*
End (Time)	*11:38:00*
Leq	*43.3*
Lmax	*65.6*
Lmin	*37.5*
Other Lx?	*L90, L50, L10*
L90	*38.3*
L50	*39.9*
L10	*44.1*
Other (Specify Metric)	
Primary Noise Source	*Traffic*
Primary Noise Source Other	*Birds*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Traffic, Rustling Leaves*
Other Noise Sources Additional Description	*Mail delivery*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing north*

Recordings

Record #	*8*
Site ID	*M1*
Site Location	*Latitude:34.086250,* *Longitude:-117.703309,* *Altitude:339.941784,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:4.000000,* *Time:11:58:42 AM PDT*
Begin (Time)	*11:58:00*
End (Time)	*12:08:00*
Leq	*54.1*
Lmax	*66.9*
Lmin	*47.6*
Other Lx?	*L90, L50, L10*
L90	*49.6*
L50	*52.4*
L10	*56.7*
Other (Specify Metric)	
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing east*

Recordings

Record #	*9*
Site ID	*M3*
Site Location	*Latitude:34.034019,* *Longitude:-117.499157,* *Altitude:259.652178,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:8:42:16 AM PDT*
Begin (Time)	*08:42:00*
End (Time)	*08:52:00*
Leq	*46.9*
Lmax	*58.3*
Lmin	*39.5*
Other Lx?	*L90, L50, L10*
L90	*41.7*
L50	*44.9*
L10	*50.3*
Primary Noise Source	*Other*
Primary Noise Source Other	*Birds*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Dog Barking, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing west.*

Recordings

Record #	*10*
Site ID	*M5*
Site Location	*Latitude:34.073610,* *Longitude:-117.305354,* *Altitude:292.685267,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:9:14:58 AM PDT*
Begin (Time)	*09:15:00*
End (Time)	*09:25:00*
Leq	*48.1*
Lmax	*53.4*
Lmin	*44.2*
Other Lx?	*L90, L50, L10*
L90	*45.2*
L50	*47.7*
L10	*49.8*
Primary Noise Source	*Other*
Primary Noise Source Other	*Birds*
Other Noise Sources (Background)	*Birds, Distant Dog Barking, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south.*

Recordings

Record #	*11*
Site ID	*M7*
Site Location	*Latitude:34.165655,* *Longitude:-117.274130,* *Altitude:409.122017,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:8.000000,* *Time:9:42:39 AM PDT*
Begin (Time)	*09:42:00*
End (Time)	*09:52:00*
Leq	*47.5*
Lmax	*62.2*
Lmin	*41.1*
Other Lx?	*L90, L50, L10*
L90	*42.3*
L50	*45.4*
L10	*50*
Other (Specify Metric)	
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Dog Barking*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing west.*

Recordings

Record #	*12*
Site ID	*M8*
Site Location	*Latitude:34.111972,* *Longitude:-117.146994,* *Altitude:462.256214,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:10:12:22 AM PDT*
Begin (Time)	*10:12:00*
End (Time)	*10:22:00*
Leq	*46.3*
Lmax	*57.2*
Lmin	*40.8*
Other Lx?	*L90, L50, L10*
L90	*42.6*
L50	*44.7*
L10	*49.1*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Dog Barking, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south.*

Recordings

Record #	*13*
Site ID	*M6*
Site Location	*Latitude:34.058397,* *Longitude:-117.144358,* *Altitude:483.192697,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:10:55:08 AM PDT*
Begin (Time)	*10:55:00*
End (Time)	*11:05:00*
Leq	*45.3*
Lmax	*56.8*
Lmin	*40*
Other Lx?	*L90, L50, L10*
L90	*41.2*
L50	*43.2*
L10	*47.4*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Conversations / Yelling, Distant Traffic, Rustling Leaves*
Other Noise Sources Additional Description	*Distant traffic dominant.*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos	
Photo	
Comments / Description	*Facing east.*

Recordings	
Record #	*14*
Site ID	*M9*
Site Location	*Latitude:34.026811, Longitude:-117.074208, Altitude:701.374481, Speed:0.000000, Horizontal Accuracy:5.000000, Vertical Accuracy:8.000000, Time:11:19:22 AM PDT*
Begin (Time)	*11:19:00*
End (Time)	*11:29:00*
Leq	*45.7*
Lmax	*54.2*
Lmin	*41*
Other Lx?	*L90, L50, L10*
L90	*42.7*
L50	*44.9*
L10	*48*
Primary Noise Source	*Other*
Primary Noise Source Other	*Birds*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Dog Barking, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south.*

Recordings

Record #	*15*
Site ID	*M10*
Site Location	*Latitude:34.015453,* *Longitude:-117.016006,* *Altitude:853.618536,* *Speed:0.000000,* *Horizontal Accuracy:5.000000,* *Vertical Accuracy:3.000000,* *Time:11:41:54 AM PDT*
Begin (Time)	*11:41:00*
End (Time)	*11:51:00*
Leq	*52.3*
Lmax	*64.9*
Lmin	*39.5*
Other Lx?	*L90, L50, L10*
L90	*43.3*
L50	*49.9*
L10	*55.9*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Birds, Distant Aircraft, Distant Gardener / Landscape Noise, Distant Traffic, Rustling Leaves*
Is the same instrument and calibrator being used as previously notated?	*Yes*
Are the meteorological conditions the same as previously notated?	*Yes*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south*

RCNM Noise Results Summary by Activity Type

Facility Type	Activity Type	Estimated Noise Level (dBA L_{eq})
Concrete Channel	Building Construction 1 - Concrete Repair	64.3
	Access Road Maintenance	75.4
	Herbicide Application	67.3
	Building Construction 2	64.3
	Grading_Excavation	73.3
	Rodenticide	64.3
	Vegetation Management	69.1
	Vector Control	64.3
Earthen Engineered Channel	Access Road Maintenance	75.7
	Concete Structure Repair	64.3
	Grading	74.6
	Herbicide Application	64.3
	Rodenticide	64.3
Earthen Natural Channel	Access Road Maintenance	78.8
	Bank Repair	78.5
	Building Construction 2	76.3
	Building Construction	64.3
	Grading 1	76.6
	Grading 2	80.4
	Herbicide Application	67.3
	Rodenticide	64.3
	Vector Control	67.3
	Vegetation Management	77
Dam	Access Road Maintenance	75.4
	Bank Repair	75.6
	Building Construction	64.3
	Grading	74.9
	Herbicide Application	67.3
	Rodenticide	64.3
	Vector Control	64.3
	Vegetation Management	76.8

Debris Basin	Access Road Maintenance	75.4
	Concrete Repair	67.3
	Grading 1	78.7
	Grading 2	71.5
	Herbicide Application	67.3
	Rodenticide	64.3
	Vector Control	64.3
	Vegetation Management	76.3
Detention Basin	Access Road Maintenance	75.4
	Concrete Repair	64.3
	Grading 1	74.2
	Grading 2	73.5
	Grading 3	74.6
	Herbicide Application	64.3
	Rodenticide	64.3
	Vector Control	67.3
Groin	Access Road Repair	75
	Herbicide Application	67.3
	Vegetation Management	77.2
Storm Drain	Access Road Maintenance	75.4
	Concrete Repair	64.3
	Grading 2	71.8
	Herbicide Application	69
	Rodenticide	64.3
	Vector Control	67.3
Levee	Access Road Maintenance	75.4
	Concrete Repair	64.3
	Excavation	80.6
	Grading	78.4
	Herbicide Application	67.3
	Rodenticide	64.3
	Vector Control	64.3
	Vegetation Management	77.2

Levee 2	Access Road Maintenance	75.7
	Concrete Repair	64.3
	Excavation	80.6
	Grading 1	75.2
	Grading 2	71.6
	Herbicide Application	67.3
	Rodenticide	64.3
	Vector Control	64.3
	Vegetation Management	77.2
Spreading Ground	Access Road Maintenance	75.4
	Grading	76.5
	Herbicide Application	69
	Vegetation Management	77.2
Sand and Gravel Operations	Sand and Gravel	79.8

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/4/2017
Case Description: MSWSMP_Concrete Channel_Access Road Maintenance

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		100	0
Flat Bed Truck	No	40		74.3	100	0

		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day		Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		79	75	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck		68.2	64.3	N/A	N/A	N/A	N/A	N/A
	Total	79	75.4	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/5/2017
Case Description: MSWSMP_Concrete Channel_Grading - Excavation

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0

		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day		Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Flat Bed Truck		68.2	64.3	N/A	N/A	N/A	N/A	N/A

	Total	68.2	64.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/4/2017
Case Description: MSWSMP_Concrete Channel_Vector Control

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Flat Bed Truck		68.2	64.3	N/A	N/A	N/A	N/A	N/A
	Total	68.2	64.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/5/2017
Case Description: MSWSMP_Concrete Channel_Bldg Const 2

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0

	Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax

Flat Bed Truck		68.2	64.3	N/A	N/A	N/A	N/A	N/A
	Total	68.2	64.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/4/2017
Case Description: MSWSMP_Concrete Channel_Grading - Excavation

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	100	0
Flat Bed Truck	No	40		74.3	100	0
Flat Bed Truck	No	40		74.3	100	0
Dump Truck	No	40		76.5	100	0

			Results				
	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	74.7	70.7	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A	N/A
Dump Truck	70.4	66.5	N/A	N/A	N/A	N/A	N/A
Total	74.7	73.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/5/2017
Case Description: MSWSMP_Concrete Channel_Herbicide Application

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

		Equipment			
		Spec	Actual	Receptor	Estimated
	Impact	Lmax	Lmax	Distance	Shielding

Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0
Flat Bed Truck	No	40		74.3	100	0

Results

	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A	N/A
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A	N/A
Total	68.2	67.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/5/2017
Case Description: MSWSMP_Concrete Channel_Rodenticide

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0

Results

	Calculated (dBA)		Noise Limits (dBA)				
			Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Flat Bed Truck	68.2	64.3	N/A	N/A	N/A	N/A	N/A
Total	68.2	64.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/4/2017
Case Description: MSWSMP_Concrete Channel_Vector Control

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Reciever 100'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	100	0

		Calculated (dBA)		Results	Noise Limits (dBA)			
				Day		Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Flat Bed Truck		68.2	64.3	N/A	N/A	N/A	N/A	N/A
	Total	68.2	64.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.