

# FIELD NOISE MEASUREMENT DATA

PROJECT SBCSD Reservoir 3A PROJECT # 8394  
 SITE ID \_\_\_\_\_  
 SITE ADDRESS \_\_\_\_\_ OBSERVER(S) PEJE VITAN  
 START DATE 9/13/18 END DATE 9/13/18  
 START TIME \_\_\_\_\_ END TIME \_\_\_\_\_

**METEOROLOGICAL CONDITIONS**  
 TEMP 74 F HUMIDITY 25 % R.H. WIND CALM LIGHT MODERATE  
 WINDSPD 5 MPH 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 SCM - P3 TYPE 1 2 SERIAL # 140317064  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>ST1 5-6</u> <u>(ALT LOCATION)</u>	<u>9:31</u>	<u>9:46</u>	<u>54.9</u>	<u>63.8</u>	<u>51.1</u>				

COMMENTS  
READING TAKEN ADVANTAGE TO 6535 OAK HILL TRAIL ROAD (RESIDENTIAL)  
FENCE LINE IN PRIMARY NOISE SOURCE IS TRAFFIC ON  
NEARBY INTERACTIVE IS; NOISE LOCATION APX. 60' FROM FENCELINE  
OF WATER STORAGE TANKS


**SOURCE INFO AND TRAFFIC COUNTS**  
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: N/A DIST. TO RDWY C/L OR EOP: N/A

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

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: OCCASIONAL ROOSTER CROWING

**DESCRIPTION / SKETCH**  
 TERRAIN HARD SOFT MIXED FLAT OTHER: \_\_\_\_\_  
 PHOTOS 2139; 2140; 2141; 2142; 2143;  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# FIELD NOISE MEASUREMENT DATA

PROJECT SBCSD RESERVOIR 3A PROJECT # 8394  
 SITE ID \_\_\_\_\_ OBSERVER(S) PETE VIDAR  
 SITE ADDRESS \_\_\_\_\_  
 START DATE 9/13/18 END DATE 9/13/18  
 START TIME \_\_\_\_\_ END TIME \_\_\_\_\_

METEOROLOGICAL CONDITIONS  
 TEMP 74 F HUMIDITY 25 % R.H. WIND CALM  LIGHT MODERATE  
 WINDSPD 85 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 CM-P3 TYPE 1 (2) SERIAL # 140317004  
 CALIBRATOR B SWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES


SETTINGS A-WTD  SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leg	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
ST2 <u>7-8</u>	<u>9:53</u>	<u>10:08</u>	<u>56.7</u>	<u>69.4</u>	<u>52.6</u>				

COMMENTS  
READING TAKEN AT BACK FENCE LINE OF 6875 COLUMBINE ROAD  
(RESIDENTIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON NEARBY  
INTERCHANGE IS;

SOURCE INFO AND TRAFFIC COUNTS  
 PRIMARY NOISE SOURCE  TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: N/A DIST. TO RDWY C/L OR EOP: N/A  
 TRAFFIC COUNT DURATION: ✓ MIN SPEED MIN SPEED  
 DIRECTION NB/EB SB/WB NB/EB SB/WB NB/EB SB/WB NB/EB SB/WB  
 COUNT 1 (OR RDWY 1) AUTOS \_\_\_\_\_ MED TRKS \_\_\_\_\_ HVY TRKS \_\_\_\_\_ BUSES \_\_\_\_\_ MOTRCLS \_\_\_\_\_  
 IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE  
 COUNT 2 (OR RDWY 2) \_\_\_\_\_  
 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 2144; 2145; 2146; 2147; 2148  
 OTHER COMMENTS / SKETCH



# FIELD NOISE MEASUREMENT DATA

PROJECT SBCSD RESERVOIR 3A PROJECT # 8394  
 SITE ID \_\_\_\_\_ OBSERVER(S) PETE VITAN  
 SITE ADDRESS \_\_\_\_\_  
 START DATE 9/13/18 END DATE 9/13/18  
 START TIME \_\_\_\_\_ END TIME \_\_\_\_\_

**METEOROLOGICAL CONDITIONS**  
 TEMP 77 F HUMIDITY 20 % R.H. WIND CALM LIGHT MODERATE  
 WINDSPD 5 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 SEM-P3 TYPE 1 (2) SERIAL # 140317004  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES  
 SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

ST-3

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>9-10</u>	<u>10:10</u>	<u>10:25</u>	<u>57.0</u>	<u>66.7</u>	<u>52.9</u>				


COMMENTS  
READING TAKEN AT BACK PROPERTY LINE OF 10485 JENNY ST (RESIDED SIDE);  
PRIMARY NOISE SOURCE IS TRAFFIC ON NEARBY INTERSTATE 15; VERY  
LIGHT TRAFFIC ON JENNY STREET; MEASUREMENT LOCATION IS  
ELEVATED FROM JENNY ST, ON HILLSIDE NEXT TO PROPERTY FENCE

**SOURCE INFO AND TRAFFIC COUNTS**  
 PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: N/A DIST. TO RDWY C/L OR EOP: N/A  
 TRAFFIC COUNT DURATION: \_\_\_\_\_ MIN SPEED \_\_\_\_\_ MIN SPEED \_\_\_\_\_  

COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB		SB/WB		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			NB/EB	SB/WB		
	AUTOS										
	MED TRKS										
	HVY TRKS										
	BUSES										
	MOTRCLS										

 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 2149; 2150; 2151; 2152; 2153; 2154  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# FIELD NOISE MEASUREMENT DATA

PROJECT	<u>SBCSD RESERVOIR 3A</u>	PROJECT #	<u>8394</u>
SITE ID		OBSERVER(S)	<u>PEJE VITAL</u>
SITE ADDRESS			
START DATE	<u>9/13/18</u>	END DATE	<u>9/13/18</u>
START TIME		END TIME	

**METEOROLOGICAL CONDITIONS**

TEMP 77 F HUMIDITY 20 % R.H. WIND CALM LIGHT MODERATE  
 WINDSPD \_\_\_\_\_ 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 SEM-P3 TYPE 1 2 SERIAL # 140317004  
 CALIBRATOR B SWA CA 114 SERIAL # 48015T  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>ST-4 11-12</u>	<u>10:44</u>	<u>10:59</u>	<u>59.3</u>	<u>77.6</u>	<u>53.7</u>				

COMMENTS  
READING TAKEN AT EACH PROPERTY LINE OF 10545 JENNY ST  
(RESIDENTIAL); PRIMARY NOISE SOURCE IS TRAFFIC ON NEARBY  
INTERSTATE 15; LIGHT TRAFFIC ON JENNY ST.

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: N/A DIST. TO RDWY C/L OR EOP: N/A

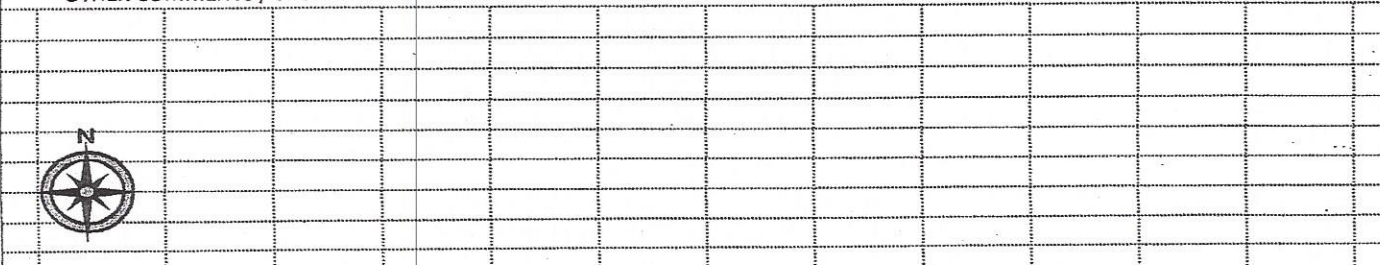
TRAFFIC COUNT DURATION: _____ MIN	SPEED				IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	SPEED			
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB
COUNT 1 (OR RDWY 1)									
DIRECTION									
AUTOS									
MED TRKS									
HVY TRKS									
BUSES									
MOTRCLS									
COUNT 2 (OR RDWY 2)									

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 2155; 2156; 2157; 2158; 2159; 2160; 2161; 2162  
 OTHER COMMENTS / SKETCH \_\_\_\_\_



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 11/19/2018  
 Case Description: SBCSD Reservoir 3A\_Aspphalt/Concrete Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	125	0
All Other Equipment > 5 HP	No	50	85		125	0
Roller	No	20		80	125	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	70.8	66.9	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	77	74	N/A	N/A	N/A	N/A
Roller	72	65.1	N/A	N/A	N/A	N/A
<b>Total</b>	<b>77</b>	<b>75.2</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	185	0
All Other Equipment > 5 HP	No	50	85		185	0
Roller	No	20		80	185	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	67.4	63.5	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	73.6	70.6	N/A	N/A	N/A	N/A

Roller		68.6	61.6	N/A	N/A	N/A	N/A
	Total	73.6	71.8	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)			Equipment			
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Nearest West Receiver 170'	Residential	65	60	55				
Description		Device	Usage(%)					
Concrete Mixer Truck		No	40			78.8	170	0
All Other Equipment > 5 HP		No	50	85			170	0
Roller		No	20			80	170	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	68.2	64.2	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.4	71.4	N/A	N/A	N/A	N/A
Roller	69.4	62.4	N/A	N/A	N/A	N/A
	Total	74.4	72.6	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)			Equipment			
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Typical West Receiver 230'	Residential	65	60	55				
Description		Device	Usage(%)					
Concrete Mixer Truck		No	40			78.8	230	0
All Other Equipment > 5 HP		No	50	85			230	0
Roller		No	20			80	230	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	65.5	61.6	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	71.7	68.7	N/A	N/A	N/A	N/A
Roller	66.7	59.8	N/A	N/A	N/A	N/A

Total 71.7 69.9 N/A N/A N/A N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Equipment

Description	Impact	Device	Usage(%)	Spec	Actual	Receptor	Estimated
				Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Mixer Truck	No		40		78.8	220	0
All Other Equipment > 5 HP	No		50	85		220	0
Roller	No		20		80	220	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	65.9		62	N/A	N/A	N/A
All Other Equipment > 5 HP	72.1		69.1	N/A	N/A	N/A
Roller	67.1		60.1	N/A	N/A	N/A
Total	72.1		70.3	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Equipment

Description	Impact	Device	Usage(%)	Spec	Actual	Receptor	Estimated
				Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Mixer Truck	No		40		78.8	280	0
All Other Equipment > 5 HP	No		50	85		280	0
Roller	No		20		80	280	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	63.8		59.9	N/A	N/A	N/A
All Other Equipment > 5 HP	70		67	N/A	N/A	N/A
Roller	65		58	N/A	N/A	N/A
Total	70		68.2	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	450	0
All Other Equipment > 5 HP	No	50	85		450	0
Roller	No	20		80	450	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	59.7	55.7	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65.9	62.9	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A
Total	65.9	64.1	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	510	0
All Other Equipment > 5 HP	No	50	85		510	0
Roller	No	20		80	510	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	58.6	54.6	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.8	61.8	N/A	N/A	N/A	N/A
Roller	59.8	52.8	N/A	N/A	N/A	N/A
Total	64.8	63	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 11/19/2018  
 Case Description: SBCSD Reservoir 3A\_Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	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	125	0
Grader	No	40	85		125	0
All Other Equipment > 5 HP	No	50	85		125	0
Roller	No	20		80	125	0
Tractor	No	40	84		125	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day		Evening		
			Lmax	Leq	Lmax	Leq	
Excavator	72.8		68.8	N/A	N/A	N/A	N/A
Grader	77		73.1	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	77		74	N/A	N/A	N/A	N/A
Roller	72		65.1	N/A	N/A	N/A	N/A
Tractor	76		72.1	N/A	N/A	N/A	N/A
Total	77		78.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	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	185	0
Grader	No	40	85		185	0
All Other Equipment > 5 HP	No	50	85		185	0
Roller	No	20		80	185	0
Tractor	No	40	84		185	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day	Evening	Lmax	Leq
Excavator	69.3	65.4	N/A	N/A	N/A	N/A
Grader	73.6	69.7	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	73.6	70.6	N/A	N/A	N/A	N/A
Roller	68.6	61.6	N/A	N/A	N/A	N/A
Tractor	72.6	68.7	N/A	N/A	N/A	N/A
Total	73.6	75.2	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest West Receiver 170'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	170	0
Grader	No	40	85		170	0
All Other Equipment > 5 HP	No	50	85		170	0
Roller	No	20		80	170	0
Tractor	No	40	84		170	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day	Evening	Lmax	Leq
Excavator	70.1	66.1	N/A	N/A	N/A	N/A
Grader	74.4	70.4	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.4	71.4	N/A	N/A	N/A	N/A
Roller	69.4	62.4	N/A	N/A	N/A	N/A
Tractor	73.4	69.4	N/A	N/A	N/A	N/A
Total	74.4	75.9	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)

Description	Impact Device	Usage(%)	Lmax	Lmax	Distance	Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	230	0
Grader	No	40	85		230	0
All Other Equipment > 5 HP	No	50	85		230	0
Roller	No	20		80	230	0
Tractor	No	40	84		230	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Excavator	67.5	63.5	N/A	N/A	N/A	N/A
Grader	71.7	67.8	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	71.7	68.7	N/A	N/A	N/A	N/A
Roller	66.7	59.8	N/A	N/A	N/A	N/A
Tractor	70.7	66.8	N/A	N/A	N/A	N/A
Total	71.7	73.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	220	0
Grader	No	40	85		220	0
All Other Equipment > 5 HP	No	50	85		220	0
Roller	No	20		80	220	0
Tractor	No	40	84		220	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Excavator	67.8	63.9	N/A	N/A	N/A	N/A
Grader	72.1	68.2	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	72.1	69.1	N/A	N/A	N/A	N/A
Roller	67.1	60.1	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A
Total	72.1	73.7	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	280	0
Grader	No	40	85		280	0
All Other Equipment > 5 HP	No	50	85		280	0
Roller	No	20		80	280	0
Tractor	No	40	84		280	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Excavator	65.7	61.8	N/A	N/A	N/A	N/A
Grader	70	66.1	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	70	67	N/A	N/A	N/A	N/A
Roller	65	58	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Total	70	71.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	450	0
Grader	No	40	85		450	0
All Other Equipment > 5 HP	No	50	85		450	0
Roller	No	20		80	450	0
Tractor	No	40	84		450	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Excavator	61.6	57.6	N/A	N/A	N/A	N/A

Grader	65.9	61.9	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65.9	62.9	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A
Total	65.9	67.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	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	510	0
Grader	No	40	85		510	0
All Other Equipment > 5 HP	No	50	85		510	0
Roller	No	20		80	510	0
Tractor	No	40	84		510	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Excavator	60.5	56.6	N/A	N/A	N/A	N/A
Grader	64.8	60.8	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.8	61.8	N/A	N/A	N/A	N/A
Roller	59.8	52.8	N/A	N/A	N/A	N/A
Tractor	63.8	59.8	N/A	N/A	N/A	N/A
Total	64.8	66.4	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 11/19/2018  
Case Description: SBCSD Reservoir 3A\_Piping Installation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	Residential	65	60	55

Description	Impact	Equipment			
		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	125	0
Generator	No	50		80.6	125	0
Tractor	No	40	84		125	0
Welder / Torch	No	40		74	125	0
Welder / Torch	No	40		74	125	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Saw	81.6	74.6	N/A	N/A	N/A	N/A
Generator	72.7	69.7	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Total	81.6	77.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	Residential	65	60	55

Description	Device	Usage(%)	Equipment				
			Impact	Spec	Actual	Receptor	Estimated
				Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Saw	No	20		89.6	185	0	
Generator	No	50		80.6	185	0	
Tractor	No	40	84		185	0	
Welder / Torch	No	40		74	185	0	
Welder / Torch	No	40		74	185	0	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Saw	78.2	71.2	N/A	N/A	N/A	N/A
Generator	69.3	66.3	N/A	N/A	N/A	N/A
Tractor	72.6	68.7	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Total	78.2	74.2	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----



Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest West Receiver 170'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	170	0
Generator	No	50		80.6	170	0
Tractor	No	40	84		170	0
Welder / Torch	No	40		74	170	0
Welder / Torch	No	40		74	170	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	Day		Evening			
*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Concrete Saw	79	72	N/A	N/A	N/A	N/A
Generator	70	67	N/A	N/A	N/A	N/A
Tractor	73.4	69.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
<b>Total</b>	<b>79</b>	<b>74.9</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	230	0
Generator	No	50		80.6	230	0
Tractor	No	40	84		230	0
Welder / Torch	No	40		74	230	0
Welder / Torch	No	40		74	230	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	Day		Evening			
*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Concrete Saw	76.3	69.3	N/A	N/A	N/A	N/A
Generator	67.4	64.4	N/A	N/A	N/A	N/A

Tractor	70.7	66.8	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A
Total	76.3	72.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Impact	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Concrete Saw	No	20		89.6	220	0
Generator	No	50		80.6	220	0
Tractor	No	40	84		220	0
Welder / Torch	No	40		74	220	0
Welder / Torch	No	40		74	220	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Saw	76.7	69.7	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
Total	76.7	72.7	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Impact	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Concrete Saw	No	20		89.6	280	0
Generator	No	50		80.6	280	0
Tractor	No	40	84		280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
Lmax			Leq	Lmax	Leq	
Concrete Saw	74.6	67.6	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Total	74.6	70.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	450	0
Generator	No	50		80.6	450	0
Tractor	No	40	84		450	0
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
Lmax			Leq	Lmax	Leq	
Concrete Saw	70.5	63.5	N/A	N/A	N/A	N/A
Generator	61.5	58.5	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Total	70.5	66.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)





Total 72.7 72.5 N/A N/A N/A N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)			Equipment			
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Typical South Receiver 185'	Residential	65	60	55				
Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)		
Man Lift	No	20		74.7	185	0		
Compressor (air)	No	40		77.7	185	0		
Compressor (air)	No	40		77.7	185	0		
Generator	No	50		80.6	185	0		

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Man Lift	63.3	56.3	N/A	N/A	N/A	N/A
Compressor (air)	66.3	62.3	N/A	N/A	N/A	N/A
Compressor (air)	66.3	62.3	N/A	N/A	N/A	N/A
Generator	69.3	66.3	N/A	N/A	N/A	N/A
Total	69.3	69.1	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)			Equipment			
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Nearest West Receiver 170'	Residential	65	60	55				
Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)		
Man Lift	No	20		74.7	170	0		
Compressor (air)	No	40		77.7	170	0		
Compressor (air)	No	40		77.7	170	0		
Generator	No	50		80.6	170	0		

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Man Lift	64.1	57.1	N/A	N/A	N/A	N/A

Compressor (air)		67	63.1	N/A	N/A	N/A	N/A
Compressor (air)		67	63.1	N/A	N/A	N/A	N/A
Generator		70	67	N/A	N/A	N/A	N/A
	Total	70	69.8	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Impact	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Man Lift	No	20		74.7	230	0
Compressor (air)	No	40		77.7	230	0
Compressor (air)	No	40		77.7	230	0
Generator	No	50		80.6	230	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Man Lift	61.4	54.5	N/A	N/A	N/A	N/A
Compressor (air)	64.4	60.4	N/A	N/A	N/A	N/A
Compressor (air)	64.4	60.4	N/A	N/A	N/A	N/A
Generator	67.4	64.4	N/A	N/A	N/A	N/A
	Total	67.4	67.2	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Impact	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Man Lift	No	20		74.7	220	0
Compressor (air)	No	40		77.7	220	0
Compressor (air)	No	40		77.7	220	0
Generator	No	50		80.6	220	0

Results

Calculated (dBA)	Noise Limits (dBA)
------------------	--------------------

Equipment	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A
Compressor (air)	64.8	60.8	N/A	N/A	N/A	N/A
Compressor (air)	64.8	60.8	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A
Total	67.8	67.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Man Lift	No	20		74.7	280	0
Compressor (air)	No	40		77.7	280	0
Compressor (air)	No	40		77.7	280	0
Generator	No	50		80.6	280	0

Results

Equipment	*Lmax	Leq	Calculated (dBA)		Noise Limits (dBA)	
			Day	Evening	Day	Evening
Man Lift	59.7	52.7	N/A	N/A	N/A	N/A
Compressor (air)	62.7	58.7	N/A	N/A	N/A	N/A
Compressor (air)	62.7	58.7	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A
Total	65.7	65.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Man Lift	No	20		74.7	450	0
Compressor (air)	No	40		77.7	450	0
Compressor (air)	No	40		77.7	450	0
Generator	No	50		80.6	450	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day		Evening	
Lmax			Leq	Lmax	Leq	
Man Lift	55.6	48.6	N/A	N/A	N/A	N/A
Compressor (air)	58.6	54.6	N/A	N/A	N/A	N/A
Compressor (air)	58.6	54.6	N/A	N/A	N/A	N/A
Generator	61.5	58.5	N/A	N/A	N/A	N/A
Total	61.5	61.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	510	0
Compressor (air)	No	40		77.7	510	0
Compressor (air)	No	40		77.7	510	0
Generator	No	50		80.6	510	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day		Evening	
Lmax			Leq	Lmax	Leq	
Man Lift	54.5	47.5	N/A	N/A	N/A	N/A
Compressor (air)	57.5	53.5	N/A	N/A	N/A	N/A
Compressor (air)	57.5	53.5	N/A	N/A	N/A	N/A
Generator	60.5	57.4	N/A	N/A	N/A	N/A
Total	60.5	60.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 11/19/2018  
Case Description: SBCSD Reservoir 3A\_Site Prepatation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Dozer	No	40		81.7	125	0
Front End Loader	No	40		79.1	125	0
Tractor	No	40	84		125	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Dozer	73.7	69.7	N/A	N/A	N/A	N/A
Front End Loader	71.2	67.2	N/A	N/A	N/A	N/A
Tractor	76	72.1	N/A	N/A	N/A	N/A
Total	76	74.9	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Dozer	No	40		81.7	185	0
Front End Loader	No	40		79.1	185	0
Tractor	No	40	84		185	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Dozer	70.3	66.3	N/A	N/A	N/A	N/A
Front End Loader	67.7	63.8	N/A	N/A	N/A	N/A
Tractor	72.6	68.7	N/A	N/A	N/A	N/A
Total	72.6	71.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest West Receiver 170'	Residential	65	60	55

Equipment



Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Dozer	No	40		81.7	170	0
Front End Loader	No	40		79.1	170	0
Tractor	No	40	84		170	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	71	67.1	N/A	N/A	N/A	N/A
Front End Loader	68.5	64.5	N/A	N/A	N/A	N/A
Tractor	73.4	69.4	N/A	N/A	N/A	N/A
<b>Total</b>	<b>73.4</b>	<b>72.2</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Dozer	No	40		81.7	230	0
Front End Loader	No	40		79.1	230	0
Tractor	No	40	84		230	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	68.4	64.4	N/A	N/A	N/A	N/A
Front End Loader	65.9	61.9	N/A	N/A	N/A	N/A
Tractor	70.7	66.8	N/A	N/A	N/A	N/A
<b>Total</b>	<b>70.7</b>	<b>69.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)

Description	Impact Device	Usage(%)	Lmax	Lmax	Distance	Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	220	0
Front End Loader	No	40		79.1	220	0
Tractor	No	40	84		220	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	68.8	64.8	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A
Total	71.1	70	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Dozer	No	40		81.7	280	0
Front End Loader	No	40		79.1	280	0
Tractor	No	40	84		280	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	66.7	62.7	N/A	N/A	N/A	N/A
Front End Loader	64.1	60.2	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Total	69	67.9	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Nearest Northeast Receiver 450'	No	40		81.7	450	0
Nearest Northeast Receiver 450'	No	40		79.1	450	0
Nearest Northeast Receiver 450'	No	40	84		450	0

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40			81.7	450
Front End Loader	No	40			79.1	450
Tractor	No	40	84			450

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	62.6	58.6	N/A	N/A	N/A	N/A
Front End Loader	60	56	N/A	N/A	N/A	N/A
Tractor	64.9	60.9	N/A	N/A	N/A	N/A
Total	64.9	63.7	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

Description	Device	Usage(%)	Equipment				
			Impact	Spec	Actual	Receptor	Estimated
Dozer	No	40			81.7	510	0
Front End Loader	No	40			79.1	510	0
Tractor	No	40	84			510	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Dozer	61.5	57.5	N/A	N/A	N/A	N/A
Front End Loader	58.9	55	N/A	N/A	N/A	N/A
Tractor	63.8	59.8	N/A	N/A	N/A	N/A
Total	63.8	62.7	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 11/19/2018  
Case Description: SBCSD Reservoir 3A\_Tank Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Man Lift	No	20		74.7	125	0
Compressor (air)	No	40		77.7	125	0
Compressor (air)	No	40		77.7	125	0
Generator	No	50		80.6	125	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
			Day			Evening
	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift	66.7	59.8	N/A	N/A	N/A	N/A
Compressor (air)	69.7	65.7	N/A	N/A	N/A	N/A
Compressor (air)	69.7	65.7	N/A	N/A	N/A	N/A
Generator	72.7	69.7	N/A	N/A	N/A	N/A
Total	72.7	72.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Man Lift	No	20		74.7	185	0
Compressor (air)	No	40		77.7	185	0
Compressor (air)	No	40		77.7	185	0
Generator	No	50		80.6	185	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
			Day			Evening
	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift	63.3	56.3	N/A	N/A	N/A	N/A
Compressor (air)	66.3	62.3	N/A	N/A	N/A	N/A
Compressor (air)	66.3	62.3	N/A	N/A	N/A	N/A
Generator	69.3	66.3	N/A	N/A	N/A	N/A
Total	69.3	69.1	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest West Receiver 170'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Man Lift	No		20		74.7	170	0
Compressor (air)	No		40		77.7	170	0
Compressor (air)	No		40		77.7	170	0
Generator	No		50		80.6	170	0

Equipment	Results						
	Calculated (dBA)				Noise Limits (dBA)		
			Day		Evening		
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Man Lift	64.1	57.1	N/A	N/A	N/A	N/A	N/A
Compressor (air)	67	63.1	N/A	N/A	N/A	N/A	N/A
Compressor (air)	67	63.1	N/A	N/A	N/A	N/A	N/A
Generator	70	67	N/A	N/A	N/A	N/A	N/A
	<b>Total</b>	70	69.8	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Man Lift	No		20		74.7	230	0
Compressor (air)	No		40		77.7	230	0
Compressor (air)	No		40		77.7	230	0
Generator	No		50		80.6	230	0

Equipment	Results						
	Calculated (dBA)				Noise Limits (dBA)		
			Day		Evening		
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Man Lift	61.4	54.5	N/A	N/A	N/A	N/A	N/A
Compressor (air)	64.4	60.4	N/A	N/A	N/A	N/A	N/A
Compressor (air)	64.4	60.4	N/A	N/A	N/A	N/A	N/A
Generator	67.4	64.4	N/A	N/A	N/A	N/A	N/A
	<b>Total</b>	67.4	67.2	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Device	Impact	Equipment				
			Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No		20		74.7	220	0
Compressor (air)	No		40		77.7	220	0
Compressor (air)	No		40		77.7	220	0
Generator	No		50		80.6	220	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A
Compressor (air)	64.8	60.8	N/A	N/A	N/A	N/A
Compressor (air)	64.8	60.8	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A
Total	67.8	67.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Device	Impact	Equipment				
			Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No		20		74.7	280	0
Compressor (air)	No		40		77.7	280	0
Compressor (air)	No		40		77.7	280	0
Generator	No		50		80.6	280	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Man Lift	59.7	52.7	N/A	N/A	N/A	N/A
Compressor (air)	62.7	58.7	N/A	N/A	N/A	N/A



Compressor (air)		62.7	58.7	N/A	N/A	N/A	N/A
Generator		65.7	62.7	N/A	N/A	N/A	N/A
	Total	65.7	65.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

		Equipment				
Description	Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Man Lift	No	20		74.7	450	0
Compressor (air)	No	40		77.7	450	0
Compressor (air)	No	40		77.7	450	0
Generator	No	50		80.6	450	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
Equipment		*Lmax	Leq	Day		Evening	
				Lmax	Leq	Lmax	Leq
Man Lift		55.6	48.6	N/A	N/A	N/A	N/A
Compressor (air)		58.6	54.6	N/A	N/A	N/A	N/A
Compressor (air)		58.6	54.6	N/A	N/A	N/A	N/A
Generator		61.5	58.5	N/A	N/A	N/A	N/A
	Total	61.5	61.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

		Equipment				
Description	Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Man Lift	No	20		74.7	510	0
Compressor (air)	No	40		77.7	510	0
Compressor (air)	No	40		77.7	510	0
Generator	No	50		80.6	510	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
		*Lmax	Leq	Day		Evening	
				Lmax	Leq	Lmax	Leq

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift	54.5	47.5	N/A	N/A	N/A	N/A
Compressor (air)	57.5	53.5	N/A	N/A	N/A	N/A
Compressor (air)	57.5	53.5	N/A	N/A	N/A	N/A
Generator	60.5	57.4	N/A	N/A	N/A	N/A
Total	60.5	60.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 11/19/2018  
Case Description: SBCSD Reservoir 3A\_Tank Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest South Receiver 125'	Residential	65	60	55

Description	Device	Impact	Equipment				
			Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No		16		80.6	125	0
Generator	No		50		80.6	125	0
Generator	No		50		80.6	125	0
All Other Equipment > 5 HP	No		50	85		125	0
Welder / Torch	No		40		74	125	0
Welder / Torch	No		40		74	125	0
Welder / Torch	No		40		74	125	0
Welder / Torch	No		40		74	125	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	72.6	64.6	N/A	N/A	N/A	N/A
Generator	72.7	69.7	N/A	N/A	N/A	N/A
Generator	72.7	69.7	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	77	74	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Welder / Torch	66	62.1	N/A	N/A	N/A	N/A
Total	77	77.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical South Receiver 185'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	185	0
Generator	No	50		80.6	185	0
Generator	No	50		80.6	185	0
All Other Equipment > 5 HP	No	50	85		185	0
Welder / Torch	No	40		74	185	0
Welder / Torch	No	40		74	185	0
Welder / Torch	No	40		74	185	0
Welder / Torch	No	40		74	185	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	69.2	61.2	N/A	N/A	N/A	N/A
Generator	69.3	66.3	N/A	N/A	N/A	N/A
Generator	69.3	66.3	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	73.6	70.6	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Welder / Torch	62.6	58.7	N/A	N/A	N/A	N/A
Total	73.6	73.8	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest West Receiver 170'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	170	0
Generator	No	50		80.6	170	0
Generator	No	50		80.6	170	0
All Other Equipment > 5 HP	No	50	85		170	0
Welder / Torch	No	40		74	170	0
Welder / Torch	No	40		74	170	0

Welder / Torch	No	40	74	170	0
Welder / Torch	No	40	74	170	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day	Leq	Evening	
Lmax			Lmax		Leq	
Crane	69.9		62 N/A	N/A	N/A	N/A
Generator	70		67 N/A	N/A	N/A	N/A
Generator	70		67 N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.4	71.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Total	74.4	74.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical West Receiver 230'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
			Crane	No	16	80.6
Generator	No	50	80.6	230	0	
Generator	No	50	80.6	230	0	
All Other Equipment > 5 HP	No	50	85	230	0	
Welder / Torch	No	40	74	230	0	
Welder / Torch	No	40	74	230	0	
Welder / Torch	No	40	74	230	0	
Welder / Torch	No	40	74	230	0	

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day	Leq	Evening	
Lmax			Lmax		Leq	
Crane	67.3		59.3 N/A	N/A	N/A	N/A
Generator	67.4		64.4 N/A	N/A	N/A	N/A
Generator	67.4		64.4 N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	71.7	68.7	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A
Welder / Torch	60.7	56.8	N/A	N/A	N/A	N/A

Welder / Torch		60.7	56.8	N/A	N/A	N/A	N/A
	Total	71.7	72	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest North Receiver 220'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	220	0
Generator	No	50		80.6	220	0
Generator	No	50		80.6	220	0
All Other Equipment > 5 HP	No	50	85		220	0
Welder / Torch	No	40		74	220	0
Welder / Torch	No	40		74	220	0
Welder / Torch	No	40		74	220	0
Welder / Torch	No	40		74	220	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Crane	67.7	59.7	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A
Generator	67.8	64.8	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	72.1	69.1	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
Welder / Torch	61.1	57.2	N/A	N/A	N/A	N/A
	Total	72.1	72.3	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical North Receiver 280'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	280	0

Generator	No	50		80.6	280	0
Generator	No	50		80.6	280	0
All Other Equipment > 5 HP	No	50	85		280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Crane	65.6	57.6	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	70	67	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Total	70	70.2	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Northeast Receiver 450'	Residential	65	60	55

Description	Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Crane	No	16		80.6	450	0
Generator	No	50		80.6	450	0
Generator	No	50		80.6	450	0
All Other Equipment > 5 HP	No	50	85		450	0
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0
Welder / Torch	No	40		74	450	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Crane	61.5	53.5	N/A	N/A	N/A	N/A
Generator	61.5	58.5	N/A	N/A	N/A	N/A



Generator	61.5	58.5	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65.9	62.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Welder / Torch	54.9	50.9	N/A	N/A	N/A	N/A
Total	65.9	66.1	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Typical Northeast Receiver 510'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	510	0
Generator	No	50		80.6	510	0
Generator	No	50		80.6	510	0
All Other Equipment > 5 HP	No	50	85		510	0
Welder / Torch	No	40		74	510	0
Welder / Torch	No	40		74	0	0
Welder / Torch	No	40		74	0	0
Welder / Torch	No	40		74	0	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	60.4	52.4	N/A	N/A	N/A	N/A
Generator	60.5	57.4	N/A	N/A	N/A	N/A
Generator	60.5	57.4	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.8	61.8	N/A	N/A	N/A	N/A
Welder / Torch	53.8	49.8	N/A	N/A	N/A	N/A
Welder / Torch		-4	N/A	N/A	N/A	N/A
Welder / Torch		-4	N/A	N/A	N/A	N/A
Welder / Torch		-4	N/A	N/A	N/A	N/A
Total	64.8	64.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.