Appendix E

Noise

LT-1 Hourly Long Term Noise Data

LT-1: Nearest residence on Lammers Road, east of plant site.
Start Date: 6/14/01

Time	1hr Leq	1hr L90	1hr L50
12:00	46	37	40
13:00	44	37	40
14:00	45	37	40
15:00	47	36	40
16:00	42	36	38
17:00	44	36	39
18:00	45	38	42
19:00	51	44	48
20:00	47	45	46
21:00	48	45	47
22:00	48	46	47
23:00	47	44	46
0:00	43	39	42
1:00	44	38	43
2:00	44	40	42
3:00	42	39	40
4:00	48	41	45
5:00	48	45	47
6:00	50	45	48
7:00	50	47	49
8:00	44	37	41
9:00	49	38	42
10:00	47	37	40
11:00	57	37	41
12:00	43	35	37

LT-2 Hourly Long Term Noise Data

LT-2: Nearest residence west of plant site.
Start Date: 6/14/01

Time	1hr Leq	1hr L90	1hr L50	1hr L10
13:00	41	35	38	44
14:00	43	35	38	44
15:00	44	35	39	47
16:00	40	34	37	43
17:00	42	35	38	44
18:00	42	37	39	45
19:00	43	39	41	45
20:00	46	42	45	48
21:00	47	45	46	48
22:00	47	42	47	49
23:00	45	42	44	46
0:00	44	42	43	45
1:00	46	43	46	48
2:00	46	42	45	47
3:00	44	43	44	46
4:00	47	45	46	48
5:00	46	44	46	48
6:00	48	46	48	49
7:00	44	40	42	44
8:00	40	34	37	42
9:00	46	36	40	49
10:00	46	36	39	48
11:00	45	35	39	46
12:00	41	34	36	43
13:00	41	35	37	43

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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: LT-1
MEASUREMENT TIME START: 1200 6-14-01
MEASUREMENT TIME END: 1300 6-15-01
BY: R. Greene R. Pirie

DATE: 6-14-01
PROJECT: GWF TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, sunny, warm
TEMP: 84 °F HUMIDITY: 24 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4-8 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: On near ℄ fence post of first residence on Lammers Road south of railroad tracks
37° 41.684' N 121° 28.752' W (EL. 122ft)
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 101.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW FRONTAL RANDOM ANSI OTHER:

___: L_{EQ} 48.3, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER ___
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER ___
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER ___
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER ___

COMMENTS:
dB 311 25 hours

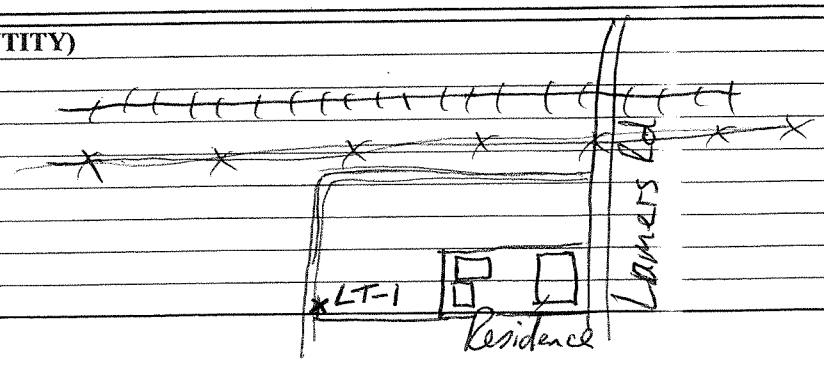
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	___ / ___	___ MPH	___ / ___
MEDIUM TRUCKS:	___ / ___	___ MPH	___ / ___
BUSES:	___ / ___	___ MPH	___ / ___
MOTORCYCLES:	___ / ___	___ MPH	___ / ___
HEAVY TRUCKS:	___ / ___	___ MPH	___ / ___

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER:

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: LT-2
MEASUREMENT TIME START: 1300 6-14-01
MEASUREMENT TIME END: 1400 6-15-01
BY: R. Pirie R. Greene

DATE: 6-14-01
PROJECT: GWF - TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, sunny, warm
TEMP: 93 °F HUMIDITY: 18 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: On fence post at eastern property point of Lopez property
37° 42.733' N 121° 29.955' W (ed. 184?)

TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 102.0 dBA SPL POST-TEST 102.0 dBA SPL
METER SETTINGS: A-WEIGHTED SLOW FRONTAL RANDOM ANSI OTHER:

	L_{EQ}	L_{MAX}	L_{MIN}	L_{90}	L_{50}	L_{10}	OTHER
	44.8	67.9	31.4	35.8	42.5	47.9	

COMMENTS:
LD 820 25 hours

SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

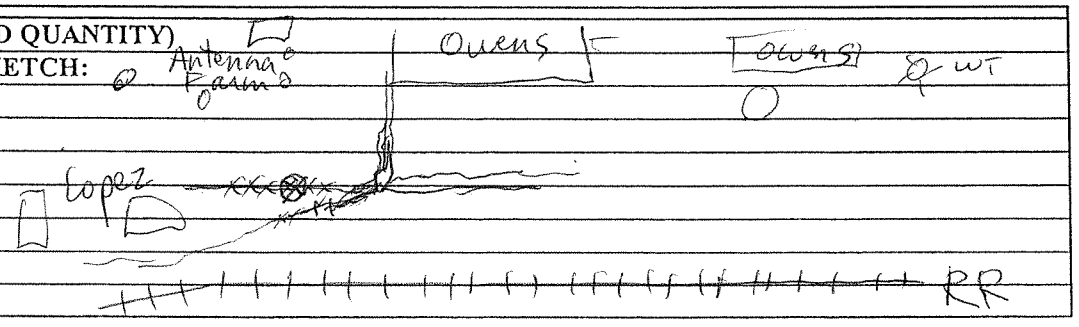
TRAFFIC COUNT DATA: ___-MINUTE COUNT

	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: distant industrial, birds

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-1
DATE: 6-14-01
MEASUREMENT TIME START: 11:45
PROJECT: GWF TRACY
MEASUREMENT TIME END: 12:05
BY: RP, RG
PAGE # ___ OF ___

WEATHER CONDITIONS: Warm, clear
TEMP: 84 °F HUMIDITY: 24 % R.H. WIND: CALM / LIGHT / (VARIABLE) / STEADY
WINDSPEED 7-8 MPH DIR: (N) NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: By LT-1, East ℄ fence of 1st resi south of RR tracks on Lamers Rd.
37° 41.684' N 121° 28.752' W
TERRAIN: HARD / (SOFT) / (FLAT) / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.8 dBA SPL
METER SETTINGS: (A-WEIGHTED) (SLOW) FRONTAL (RANDOM) (ANSI) OTHER:

11:50-1200:	L_{EQ} 39.6,	L_{MAX} 52.7,	L_{MIN} 33.8,	L_{90} 35.6,	L_{50} 37.6,	L_{10} 41.6,	OTHER
___:	L_{EQ} ___,	L_{MAX} ___,	L_{MIN} ___,	L_{90} ___,	L_{50} ___,	L_{10} ___,	OTHER
___:	L_{EQ} ___,	L_{MAX} ___,	L_{MIN} ___,	L_{90} ___,	L_{50} ___,	L_{10} ___,	OTHER
___:	L_{EQ} ___,	L_{MAX} ___,	L_{MIN} ___,	L_{90} ___,	L_{50} ___,	L_{10} ___,	OTHER

COMMENTS:

SOURCE INFO: TRAFFIC / (AIRCRAFT) / RAIL / INDUSTRIAL / OTHER: Birds
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT

	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	___ / ___	___ MPH	___ / ___
MEDIUM TRUCKS:	___ / ___	___ MPH	___ / ___
BUSES:	___ / ___	___ MPH	___ / ___
MOTORCYCLES:	___ / ___	___ MPH	___ / ___
HEAVY TRUCKS:	___ / ___	___ MPH	___ / ___

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: Distant industrial, distant back-up alarms

PHOTOS: 1 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:

See LT-1

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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-2
MEASUREMENT TIME START: 1315
MEASUREMENT TIME END: 1350
BY: R. Pirie, R. Greene

DATE: 6-14-01
PROJECT: GWF-TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, sunny, hot
TEMP: 92 °F HUMIDITY: 18 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4-10 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: Midpoint of west site boundary
37° 42.725' N 121° 29.679' W (el 1183'?)

TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.8 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW / FRONTAL / RANDOM / ANSI / OTHER:

	L_{EQ}	L_{MAX}	L_{MIN}	L_{90}	L_{50}	L_{10}	OTHER
1330-1345	43.4	55.6	37.1	39.1	42.1	45.6	

COMMENTS:

SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

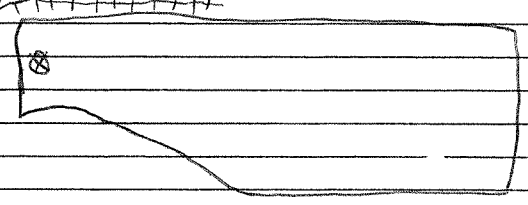
TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: blower whine from Owens plant (constant) back-up alarm truck horns

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:

NA



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-3
MEASUREMENT TIME START: 1355
MEASUREMENT TIME END: 1420
BY: RP, R Greene

DATE: 6-14-01
PROJECT: GWF TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear / Sunny / hot
TEMP: 93 °F HUMIDITY: 13 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4-10 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: N pt of site between blue building and big grey building (on OB site)
37° 42.763' N 121° 29.424' W
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.8 dBA SPL
METER SETTINGS: A-WEIGHTED SLOW FRONTAL RANDOM ANSI OTHER:

1400-1415: L_{EQ} 50.3, L_{MAX} 58.2, L_{MIN} 46.5, L_{90} 48.6, L_{50} 50.1, L_{10} 51.6 OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER

COMMENTS:

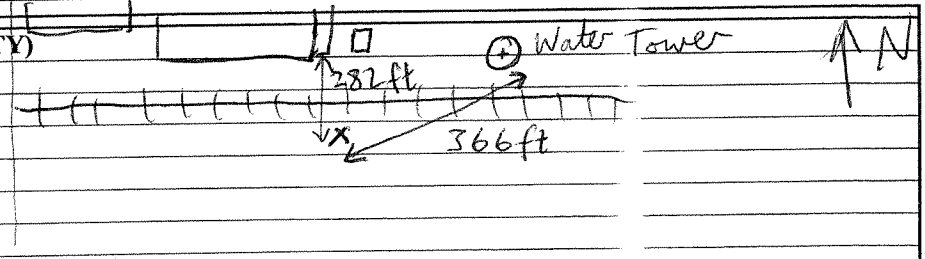
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	___ / ___	___ MPH	___ / ___
MEDIUM TRUCKS:	___ / ___	___ MPH	___ / ___
BUSES:	___ / ___	___ MPH	___ / ___
MOTORCYCLES:	___ / ___	___ MPH	___ / ___
HEAVY TRUCKS:	___ / ___	___ MPH	___ / ___

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER:

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-4
MEASUREMENT TIME START: 1600
MEASUREMENT TIME END: 1630
BY: R. Gallegos R. Pirie

DATE: 6-14-01
PROJECT: GWF-TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, sunny, hot
TEMP: 95 °F HUMIDITY: 14 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 6-8 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: 150' W/B east end gate of frontage road parallel to I-580
37° 42.205' N 121° 30.175' W (el 387'?)

TERRAIN: HARD / SOFT / FLAT / OTHER: elevated on hill

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.8 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW FRONTAL RANDOM / ANSI OTHER:

1605-1620: L_{EQ} 43.2, L_{MAX} 56.3, L_{MIN} 35.7, L_{90} 39.6, L_{50} 41.6, L_{10} 45.6, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER

COMMENTS:

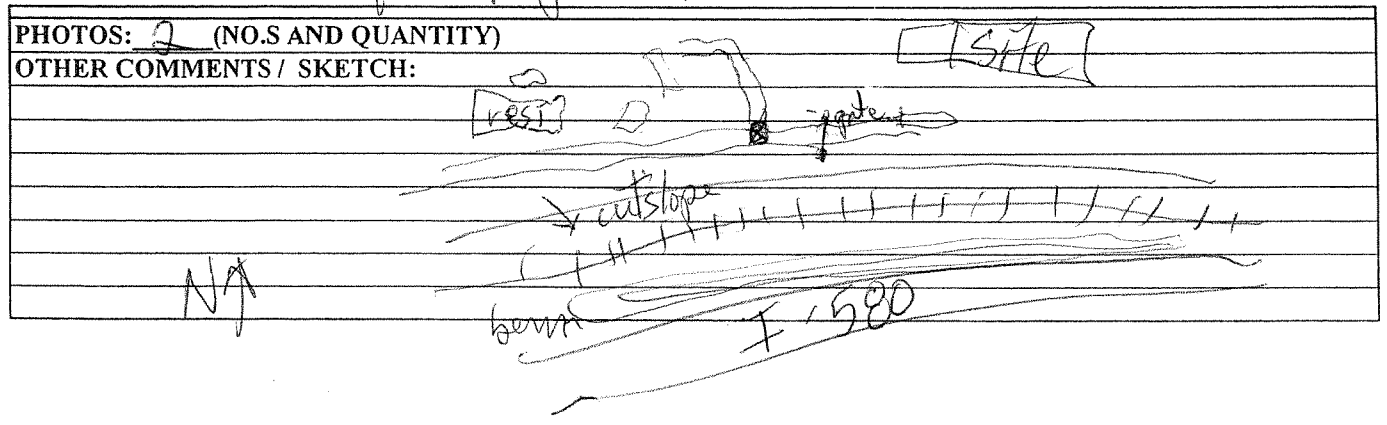
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER: ~~[illegible]~~
FOR TRAFFIC, ROADWAY TYPE: I-580 background - birds louder

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	___ / ___	___ MPH	___ / ___
MEDIUM TRUCKS:	___ / ___	___ MPH	___ / ___
BUSES:	___ / ___	___ MPH	___ / ___
MOTORCYCLES:	___ / ___	___ MPH	___ / ___
HEAVY TRUCKS:	___ / ___	___ MPH	___ / ___

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: flock of chirping birds, a crow, industrial (Owens)

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-5
MEASUREMENT TIME START: 1640
MEASUREMENT TIME END: 1700
BY: R Pirie, R. Greene

DATE: 6-14-01
PROJECT: GWF TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear
TEMP: 98 °F HUMIDITY: 13 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 1 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: Barn SW of site. between Delta-Mendota Canal and Calif. Aqueduct.
37° 42.427'N 121° 29.685'W (El. 202ft?)

TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.8 dBA SPL POST-TEST 93.8 dBA SPL

METER SETTINGS: A-WEIGHTED / SLOW / FRONTAL / RANDOM / ANSI / OTHER:

1645-1655: L_{EQ} 39.0, L_{MAX} 52.1, L_{MIN} 35.1, L_{90} 36.1, L_{50} 38.1, L_{10} 40.6, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER

COMMENTS:

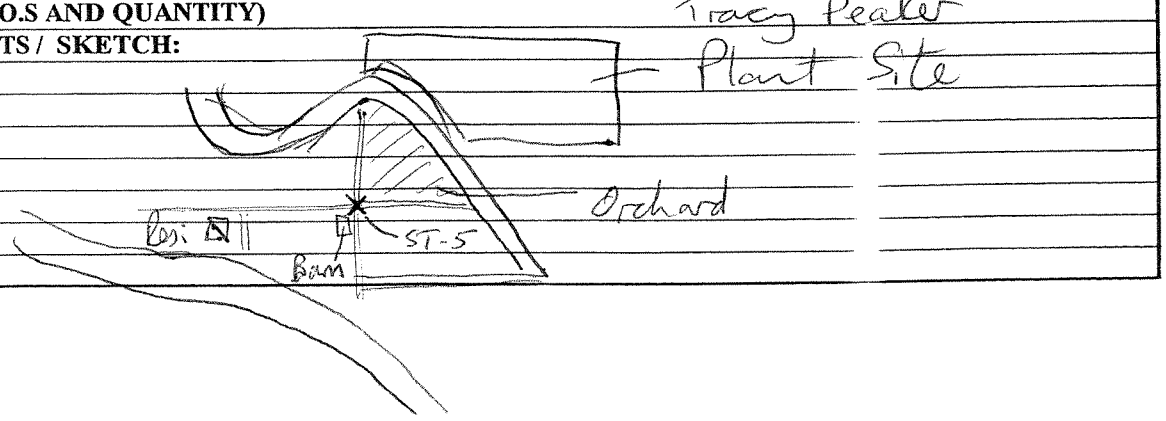
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE: OB Plant

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE 11(2)
OTHER: Pumps at OB plant.

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-5B
MEASUREMENT TIME START: 2245
MEASUREMENT TIME END: 2310
BY: R. Pine, R Greene

DATE: 6-14-01
PROJECT: GWF TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, warm
TEMP: 80 °F HUMIDITY: 15 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4-6 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: Same as ST-5

TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED SLOW FRONTAL RANDOM ANSI OTHER:

2255-2305: L_{EQ} 43.5, L_{MAX} 50.1, L_{MIN} 38.9, L_{90} 40.6, L_{50} 43.1, L_{10} 45.6, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER

COMMENTS:

SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER: crickets
FOR TRAFFIC, ROADWAY TYPE: I-580 to the south

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING (distant audible)
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: aircraft over flights no Owens plant noise audible

PHOTOS: 0 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH: see ST-5

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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-6
MEASUREMENT TIME START: 2220
MEASUREMENT TIME END: 2250
BY: R. Pirie, R Greene

DATE: 6-14-01
PROJECT: GWF Tracy
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear night. warm
TEMP: 83 °F HUMIDITY: 15 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 6-7 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: on north levee of Delta-Mendota Canal across from residence with baseball diamonds in back yard
37° 42.054 N 121° 28.853 W (el. 181'?)
TERRAIN: HARD / SOFT / FLAT / OTHER: elevated above surrounding area

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED SLOW FRONTAL RANDOM ANSI OTHER:

	L_{EQ}	L_{MAX}	L_{MIN}	L_{90}	L_{50}	L_{10}	OTHER
2230-2245	42.7	49.4	38.7	40.1	42.6	44.6	

COMMENTS:

SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER: Insects
FOR TRAFFIC, ROADWAY TYPE: I-580 to the South

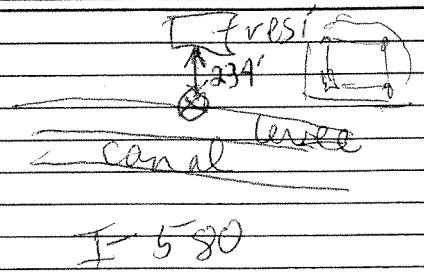
TRAFFIC COUNT DATA: ___-MINUTE COUNT

	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: Crickets, Rain Bird.

PHOTOS: 0 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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(714) 835-6886
(714) 433-7701

FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-7
MEASUREMENT TIME START: 2315
MEASUREMENT TIME END: 2340
BY: R. Pirie and R. Greene

DATE: 6-14-01
PROJECT: GWF-TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear warm
TEMP: 80 °F HUMIDITY: 15 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 4-6 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: On North levee of Delta Mendota Canal east of Hansen Rd adjacent to farm with two houses
37° 43.090'N, 121° 30.669'W (el 180'?)
TERRAIN: HARD / SOFT / FLAT / OTHER: elevated above farm

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW / FRONTAL / RANDOM / ANSI / OTHER:

	L_{EQ}	L_{MAX}	L_{MIN}	L_{90}	L_{50}	L_{10}	OTHER
2320-2330	53.5	57.5	51.2	52.6	53.6	54.6	

COMMENTS: Safeway perishable & frozen food distribution center dominant noise source

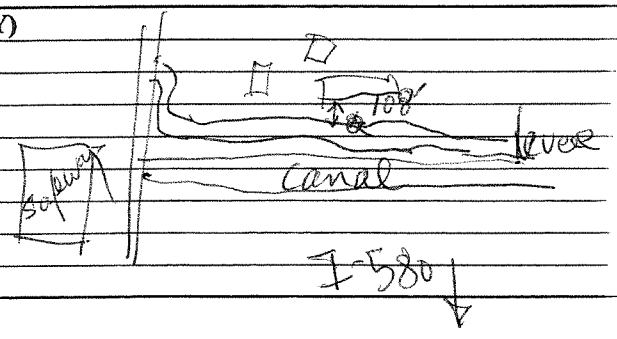
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DISTANT DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER:

PHOTOS: 0 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-8
MEASUREMENT TIME START: 2345
MEASUREMENT TIME END: 0010
BY: L Pirie, R Greene

DATE: 6-14-01
PROJECT: GWF Tracy
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear night
TEMP: 80 °F HUMIDITY: 15 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 01 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: Redbridge Estates, center of street.
3253 Patina Ct. (in front of driveway)
37° 43.201'N, 121° 28.540'W (el 83'?)
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW / FRONTAL / RANDOM / ANSI / OTHER:

	L_{EQ}	L_{MAX}	L_{MIN}	L_{90}	L_{50}	L_{10}	OTHER
2350-2400	43.8	51.7	39.6	40.6	42.6	46.1	

COMMENTS:

SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE: LAMMERS

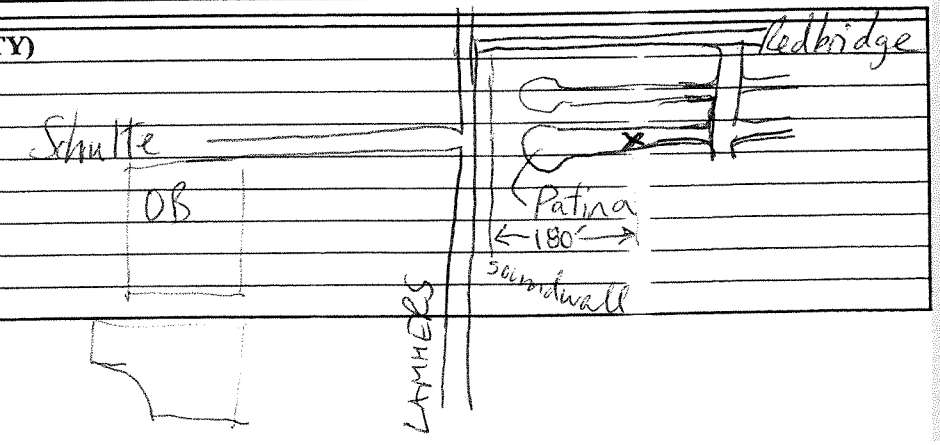
TRAFFIC COUNT DATA: ___-MINUTE COUNT

	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / distant DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: Crickets LAMMERS RD Owens & Biomass audible

PHOTOS: ___ (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-9
MEASUREMENT TIME START: 1105
MEASUREMENT TIME END: 1130
BY: R. Greene & R. Pirie

DATE: 6-15-01
PROJECT: GWF-TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear sunny warm
TEMP: 81 °F HUMIDITY: 34 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED / MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: on bank of irrigation canal adjacent to farm house northwest of Schulte & Lammers
37° 43.402' N 121° 29.020 W (el. 116' ?)
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED SLOW FRONTAL RANDOM ANSI OTHER:

1115-1130: L_{EQ} 46.9, L_{MAX} 55.1, L_{MIN} 41.0, L_{90} 43.1, L_{50} 45.6, L_{10} 49.6, OTHER
: L_{EQ}, L_{MAX}, L_{MIN}, L_{90}, L_{50}, L_{10}, OTHER
: L_{EQ}, L_{MAX}, L_{MIN}, L_{90}, L_{50}, L_{10}, OTHER
: L_{EQ}, L_{MAX}, L_{MIN}, L_{90}, L_{50}, L_{10}, OTHER
COMMENTS:

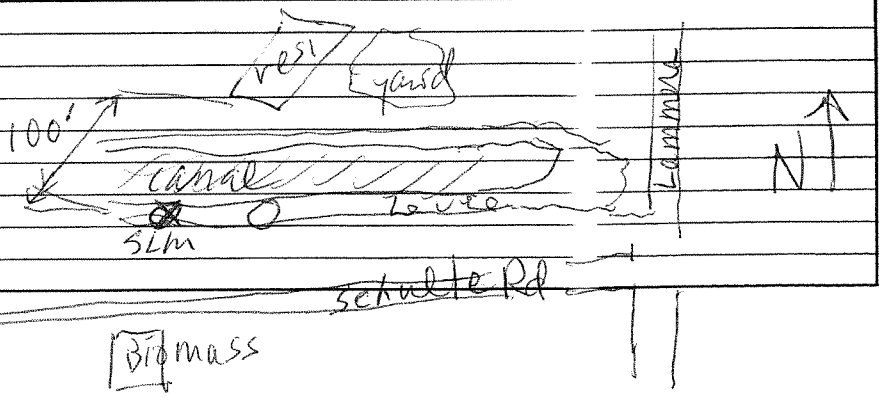
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER: Birds, HTson Sculte
FOR TRAFFIC, ROADWAY TYPE: 2 lane -

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB	SB / WB	SPEEDS NB / EB	SB / WB	#2 COUNT: NB / EB	SB / WB
AUTOS:	✓		MPH			
MEDIUM TRUCKS:			MPH			
BUSES:			MPH			
MOTORCYCLES:			MPH			
HEAVY TRUCKS:	✓		MPH			

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: Tracy Biomass plant audible

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-10 DATE: 6-15-01
MEASUREMENT TIME START: 1140 PROJECT: GWF Tracy
MEASUREMENT TIME END: 1205
BY: R Pine, R. Greene PAGE # ___ OF ___

WEATHER CONDITIONS: Clear skies
TEMP: 88 °F HUMIDITY: 22 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY /
WINDSPEED 5-8 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: On levee of Delta-Mendota canal near farmhouse. South of RR tracks, by bridge across canal
37° 41.635N 121° 28.028W (el 191'?)
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW / FRONTAL / RANDOM / ANSI / OTHER:
1145-1200: L_{EQ} 44.7, L_{MAX} 59.5, L_{MIN} 33.8, L_{90} 36.1, L_{50} 39.6, L_{10} 48.6, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
COMMENTS:

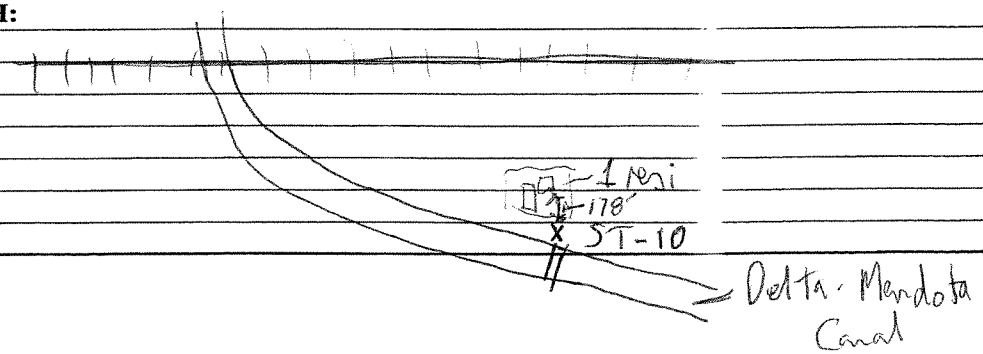
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER: Birds
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: Distant backup alarm I-580 (v. quiet but audible)

PHOTOS: 3 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-11 DATE: 6-15-01
MEASUREMENT TIME START: 1210 PROJECT: GWF-TRACY
MEASUREMENT TIME END: 1230
BY: R. Greene & R. Pirie PAGE # ___ OF ___

WEATHER CONDITIONS: Clear, sunny hot
TEMP: 88 °F HUMIDITY: 22 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 0-5 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: on east edge of Lammers Road across from 27081 Lammers
37° 42.390' N 121° 28.589' W (el. 123'?)
TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW FRONTAL RANDOM ANSI OTHER:
1215-1225: L_{EQ} 39.2, L_{MAX} 49.7, L_{MIN} 32.0, L_{90} 34.6, L_{50} 37.1, L_{10} 42.1, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
COMMENTS:

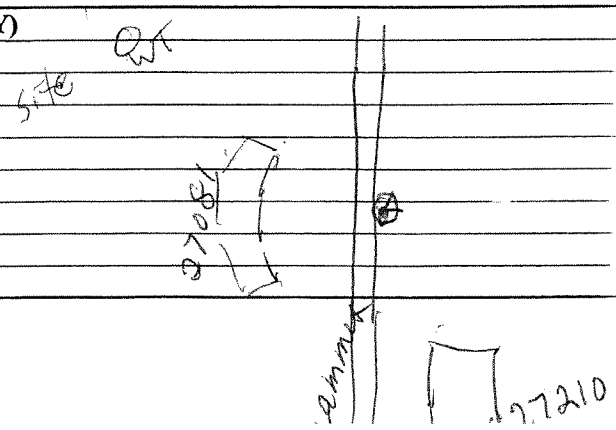
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	___ / ___	___ MPH	___ / ___
MEDIUM TRUCKS:	___ / ___	___ MPH	___ / ___
BUSES:	___ / ___	___ MPH	___ / ___
MOTORCYCLES:	___ / ___	___ MPH	___ / ___
HEAVY TRUCKS:	___ / ___	___ MPH	___ / ___

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE
OTHER: distant HT traffic birds

PHOTOS: 2 (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



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FIELD NOISE MEASUREMENT DATA

SITE IDENTIFICATION: ST-12
MEASUREMENT TIME START: 1230
MEASUREMENT TIME END: 1300
BY: R. Greene & R. Pirie

DATE: 6-15-01
PROJECT: GWF-TRACY
PAGE # ___ OF ___

WEATHER CONDITIONS: Clear sunny warm breezy
TEMP: 92 °F HUMIDITY: 20 % R.H. WIND: CALM / LIGHT / VARIABLE / STEADY
WINDSPEED 2-4 MPH DIR: N / NE / E / SE / S / SW / W / NW MODERATE / GUSTY

EXACT LOCATION: Southeast site corner 37° 42.583 N 121° 29.257 W (el. 156'?)

TERRAIN: HARD / SOFT / FLAT / OTHER:

CALIBRATION: PRE-TEST 93.9 dBA SPL POST-TEST 93.9 dBA SPL
METER SETTINGS: A-WEIGHTED / SLOW FRONTAL RANDOM / ANSI / OTHER:

1243-1253: L_{EQ} 42.8, L_{MAX} 48.7, L_{MIN} 37.7, L_{90} 39.6, L_{50} 42.1, L_{10} 45.1, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER
___: L_{EQ} ___, L_{MAX} ___, L_{MIN} ___, L_{90} ___, L_{50} ___, L_{10} ___, OTHER

COMMENTS:

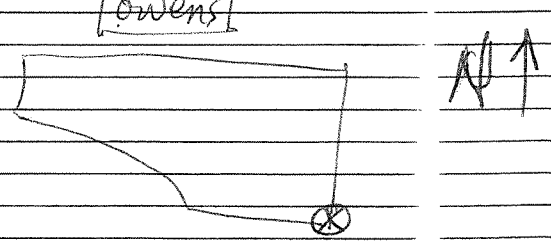
SOURCE INFO: TRAFFIC / AIRCRAFT / RAIL / INDUSTRIAL / OTHER:
FOR TRAFFIC, ROADWAY TYPE:

TRAFFIC COUNT DATA: ___-MINUTE COUNT	NB / EB / SB / WB	SPEEDS NB / EB / SB / WB	#2 COUNT: NB / EB / SB / WB
AUTOS:	/	MPH	/
MEDIUM TRUCKS:	/	MPH	/
BUSES:	/	MPH	/
MOTORCYCLES:	/	MPH	/
HEAVY TRUCKS:	/	MPH	/

SPEED ESTIMATED BY: RADAR / DRIVING

OTHER NOISE SOURCES (AMBIENT): DISTANT AIRCRAFT OVERHEAD / LEAVES RUSTLING / DOGS BARKING
CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING NOISE slight insects - birds
OTHER: Owens plant dominant - whine + intermittent other sounds

PHOTOS: ✓ (NO.S AND QUANTITY)
OTHER COMMENTS / SKETCH:



BLACK & VEATCH

MEMORANDUM

GWF Power Systems
Tracy Peaker Project Equipment Noise Emissions
Typical Equipment Sound Data

B&V Project 069389.0942
June 22, 2001

To: Arif Khan

From: Andrew Dicke

As requested, we have compiled typical equipment sound data for the proposed Tracy Peaker Project. Based on the plant arrangement depicted in Drawing 069389-SM-00001 Rev A (dated 06/15/01), the primary noise sources are anticipated to include two General Electric Frame 7EA combustion turbine generator (CTG) packages, the generator step-up transformers (GSUT), and the SCR Fan.

Typical equipment sound levels for the primary noise sources are listed in Tables 1 through 3. Table 1 contains the combustion turbine sound power levels based on standard packaged equipment, i.e. without any special noise mitigation upgrades, as would typically be guaranteed by the equipment vendors for no added cost. The procured combustion turbine equipment will include a level 3 noise package. B&V has limited data regarding these packages. General Electric typically guarantees a level of 62 dBA at 400 feet from a level 3 GE Frame 7EA turbine. Table 1A contains B&V's best estimate of individual component noise emissions based on available information from GE.

Additionally, all equipment sound data is based on available in-house manufacturer data and/or empirical data provided in *Electric Power Plant Environmental Noise Guide* by Edison Electric Institute (1984). Therefore, all project-specific equipment sound level data should be verified with the appropriate manufacturers.

The SCR fan airflow is 105,500 acfm and the static pressure is 17,85 in. w.g. The fan will be equipped with an inlet silencer to achieve 82 dBA at 3 feet. The estimated mitigated fan sound power levels are contained in Table 3.

The equipment data is being provided to support the facility noise modeling being conducted by others. All equipment sound data includes octave band sound levels for each noise source component and is based on normal operation of the equipment. Normal operation excludes start-up, shutdown, bypass, and other upset or emergency conditions. Additionally, the corresponding far-field and near-field equipment sound level specifications are included for reference. The equipment envelope is defined as the perimeter line that encompasses all associated equipment and is positioned 3 feet from the face of the equipment.

Please contact me at 913-458-2063 if you have any questions.

Table 1.
STANDARD PACKAGED COMBUSTION TURBINE GENERATOR
(GE Frame 7EA)

Noise emissions from the CTG package include the noise associated with the air inlet, the turbine compartment, the generator compartment, all compartment vent fans, the turbine exhaust ductwork, and all auxiliary components. Generally, the noise emissions include all equipment and auxiliary components included in the CTG manufacturers scope-of-supply.

Source Component	Octave Band Sound Power Level (Lw), dB									Overall Lw	
	Octave Band Center Frequency, Hz										
	31.5	63	125	250	500	1K	2K	4K	8K	dBA	dB
CT Inlet	102	106	99	98	87	78	74	81	77	92	108
CT Compartment	108	110	105	103	100	98	104	99	94	108	114
GEN Compartment	102	102	101	98	100	99	98	93	84	104	109
COMP Vents	106	107	110	104	101	102	103	110	98	113	116
Cooling Water Module	96	96	110	102	102	101	91	86	88	104	112
Exhaust Exit	128	125	119	118	112	114	103	84	66	117	130

Corresponding Equipment Sound Level Specifications

Far-field	*The combustion turbine generator package shall not exceed a maximum A-weighted sound pressure level (ref: 20 microPa) of 65 dBA at a distance of 400 feet in any direction from the equipment envelope and 5 feet above the ground in a free-field during normal operation of the equipment. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*
Near-field	*The combustion turbine generator package shall not exceed a spatially averaged A-weighted sound pressure level (ref: 20 microPa) of 90 dBA along the equipment envelope at a height of 5 feet above the ground and all personnel platforms during normal operation. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*

Notes:
- Each noise source is considered a point source.

Table 1A.
LEVEL 3 MITIGATION PACKAGE
(GE Frame 7EA)

Noise emissions from the CTG package include the noise associated with the air inlet, the turbine compartment, the generator compartment, all compartment vent fans, the turbine exhaust ductwork, and all auxiliary components. Generally, the noise emissions include all equipment and auxiliary components included in the CTG manufacturers scope-of-supply.

Source Component	Octave Band Sound Power Level (Lw), dB									Overall Lw	
	Octave Band Center Frequency, Hz										
	31.5	63	125	250	500	1K	2K	4K	8K	dBA	dB
CT Inlet	102	106	99	98	87	78	74	81	77	92	108
CT Compartment	106	107	101	98	95	93	99	94	89	103	111
GEN Compartment	102	102	101	98	100	99	98	93	84	104	109
COMP Vents	103	104	105	97	95	94	93	98	88	103	110
Cooling Water Module	96	96	110	102	102	101	91	86	88	104	112
Exhaust Exit	125	120	113	110	102	101	87	65	48	106	124

Corresponding Equipment Sound Level Specifications

Far-field	*The combustion turbine generator package shall not exceed a maximum A-weighted sound pressure level (ref: 20 microPa) of 65 dBA at a distance of 400 feet in any direction from the equipment envelope and 5 feet above the ground in a free-field during normal operation of the equipment. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*
Near-field	*The combustion turbine generator package shall not exceed a spatially averaged A-weighted sound pressure level (ref: 20 microPa) of 90 dBA along the equipment envelope at a height of 5 feet above the ground and all personnel platforms during normal operation. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*

Notes:
- Each noise source is considered a point source.

Table 2.
STANDARD GENERATOR STEP-UP TRANSFORMER

Noise emissions from each GSUT package include the noise associated with the GSUT operating at maximum cooling capacity, i.e. with all cooling fans operating at full load.

Source Component	Octave Band Sound Power Level (Lw), dB									Overall Lw	
	Octave Band Center Frequency, Hz										
	31.5	63	125	250	500	1K	2K	4K	8K	dBA	dB
GSUT	102	108	110	105	105	99	94	89	82	105	114

Corresponding Equipment Sound Level Specifications

Specification	*The generator step-up transformer shall not exceed a maximum A-weighted sound pressure level (ref: 20 microPa) of 85 dBA as measured in accordance with ANSI/IEEE C57.12.90.*

Notes:
- Each noise source is considered a point source.
- The height of each GSUT point source is approximately 16 ft.

Table 3.
ID FAN FOR SCR COOLING AIR

Noise emissions from the ID Fan include the Fan Inlet Noise, Fan Casing Radiated noise and the Fan Motor Noise. Sound levels are based on empirical data using preliminary Fan Operating Parameters. Vendor included an inlet silencer to achieve 82 dBA at 3 feet from inlet.

Source Component	Octave Band Sound Power Level (Lw), dB									Overall Lw	
	Octave Band Center Frequency, Hz										
	31.5	63	125	250	500	1K	2K	4K	8K	dBA	dB
SCR Fan Inlet	93	92	97	91	85	85	81	77	60	90	100
SCR Fan Casing	105	102	101	97	92	90	86	82	75	95	108
Fan Motor	94	96	98	98	98	98	98	95	88	104	106

Corresponding Equipment Sound Level Specifications

Far-field	*The fan and motor equipment package shall not exceed a maximum A-weighted sound pressure level (ref: 20 microPa) of XX dBA at a distance of 400 feet in any direction from the equipment envelope and 5 feet above the ground in a free-field during normal operation of the equipment. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*
Near-field	*The fan and motor equipment package shall not exceed a spatially-averaged A-weighted sound pressure level (ref: 20 microPa) of 90 dBA along the equipment envelope at a height of 5 feet above the ground and all personnel platforms during normal operation. Normal operation excludes start-up, shutdown, and all off-normal and emergency conditions.*

Notes:
- Each noise source is considered a point source.

Tracy Peaker Plant Project
Sound Level Calculation
Nearest Residential Property: 2,550 Feet Southwest of Nominal Acoustic Center

	X	Y	Z	Distance (feet)	dBA	OCTAVE BAND CENTER FREQUENCY (Hz) 31.5	63	125	250	500	1000	2000	4000	8000
Receptor Location	2250	0	5		**45.0**	61.1	55.9	51.9	46.2	42.6	39.3	34.1	22.1	-18.7
						21.7	29.7	35.8	37.6	39.4	39.3	35.3	23.1	-19.8
Summary														
Stack Exit, SPL				2252.0	33.9	57.8	51.6	43.1	38.4	28.2	24.5	6.0	-27.7	-80.6
Combustion Turbine (CT) Inlet SPL				2250.2	25.0	36.8	40.6	33.1	31.4	19.2	3.5	-3.9	-6.7	-44.6
CT Compartment SPL				2250.1	31.3	40.8	41.6	35.1	31.4	27.2	23.5	26.1	11.3	-27.6
CT Generator SPL				2250.1	33.8	36.8	36.6	35.1	31.4	32.2	29.5	25.1	10.3	-32.6
CT COMP Vents SPL				2250.0	30.3	37.8	38.6	39.1	30.4	27.2	24.5	20.1	15.3	-28.6
Cooling Water Module, SPL				2250.0	35.9	30.8	30.6	44.1	35.4	34.2	31.5	18.1	3.3	-28.6
CT Transformer (GSUT), SPL				2250.0	32.2	31.8	37.6	39.1	33.4	32.2	24.5	16.1	1.3	-39.6
Stack Exit 2, SPL				2252.0	33.9	57.8	51.6	43.1	38.4	28.2	24.5	6.0	-27.7	-80.6
Combustion Turbine (CT) Inlet 2, SPL				2250.2	25.0	36.8	40.6	33.1	31.4	19.2	3.5	-3.9	-6.7	-44.6
CT Compartment 2, SPL				2250.1	31.3	40.8	41.6	35.1	31.4	27.2	23.5	26.1	11.3	-27.6
CT Generator 2, SPL				2250.1	33.8	36.8	36.6	35.1	31.4	32.2	29.5	25.1	10.3	-32.6
CT COMP Vents 2, SPL				2250.0	30.3	37.8	38.6	39.1	30.4	27.2	24.5	20.1	15.3	-28.6
Cooling Water Module 2, SPL				2250.0	35.9	30.8	30.6	44.1	35.4	34.2	31.5	18.1	3.3	-28.6
CT Transformer (GSUT) 2, SPL				2250.0	32.2	31.8	37.6	39.1	33.4	32.2	24.5	16.1	1.3	-39.6
SCR Fan Inlet, SPL				2250.2	21.5	27.8	26.6	31.1	24.4	17.2	15.5	8.1	-5.7	-56.6
SCR Fan Casing, SPL				2250.1	27.1	39.8	36.6	35.1	30.4	24.2	20.5	13.1	-0.7	-41.6
Fan Motor, SPL				2250.1	32.8	28.8	30.6	32.1	31.4	30.2	28.5	25.1	12.3	-28.6
SCR Fan Inlet 2, SPL				2250.2	21.5	27.8	26.6	31.1	24.4	17.2	15.5	8.1	-5.7	-56.6
SCR Fan Casing 2, SPL				2250.1	27.1	39.8	36.6	35.1	30.4	24.2	20.5	13.1	-0.7	-41.6
Fan Motor 2, SPL				2250.1	32.8	28.8	30.6	32.1	31.4	30.2	28.5	25.1	12.3	-28.6
Distance to acoustic center				**2250.4**										
Stack Exit	0	0	100	2252.0										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				2252.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit, SPL				**2252.0**	**33.9**	**58**	**52**	**43**	**38**	**28**	**24**	**6**	**-28**	**-81**
Combustion Turbine (CT) Inlet	0	0	35	2250.2										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				2250.2		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet SPL				**2250.2**	**25.0**	**37**	**41**	**33**	**31**	**19**	**4**	**-4**	**-7**	**-45**
CT Compartment	0	0	25	2250.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment SPL				**2250.1**	**31.3**	**41**	**42**	**35**	**31**	**27**	**24**	**26**	**11**	**-28**
CT Generator	0	0	25	2250.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator SPL				**2250.1**	**33.8**	**37**	**37**	**35**	**31**	**32**	**30**	**25**	**10**	**-33**
CT COMP Vents	0	0	18	2250.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0

CT COMP Vents SPL				**2250.0**	**30.3**	**38**	**39**	**39**	**30**	**27**	**25**	**20**	**15**	**-29**
Cooling Water Module	0	0	20	2250.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
Cooling Water Module, SPL				**2250.0**	**35.9**	**31**	**31**	**44**	**35**	**34**	**32**	**18**	**3**	**-29**
CT Transformer (GSUT)	0	0	16	2250.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT), SPL				**2250.0**	**32.2**	**32**	**38**	**39**	**33**	**32**	**25**	**16**	**1**	**-40**
Stack Exit	0	0	100	2252.0										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				2252.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit 2, SPL				**2252.0**	**33.9**	**58**	**52**	**43**	**38**	**28**	**24**	**6**	**-28**	**-81**
Combustion Turbine (CT) Inlet	0	0	35	2250.2										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				2250.2		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet 2, SPL				**2250.2**	**25.0**	**37**	**41**	**33**	**31**	**19**	**4**	**-4**	**-7**	**-45**
CT Compartment	0	0	25	2250.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment 2, SPL				**2250.1**	**31.3**	**41**	**42**	**35**	**31**	**27**	**24**	**26**	**11**	**-28**
CT Generator	0	0	25	2250.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator 2, SPL				**2250.1**	**33.8**	**37**	**37**	**35**	**31**	**32**	**30**	**25**	**10**	**-33**
CT COMP Vents	0	0	18	2250.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT COMP Vents 2, SPL				**2250.0**	**30.3**	**38**	**39**	**39**	**30**	**27**	**25**	**20**	**15**	**-29**
Cooling Water Module	0	0	20	2250.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
Cooling Water Module 2, SPL				**2250.0**	**35.9**	**31**	**31**	**44**	**35**	**34**	**32**	**18**	**3**	**-29**

CT Transformer (GSUT)	0	0	16	2250.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				2250.0		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT) 2, SPL				**2250.0**	**32.2**	**32**	**38**	**39**	**33**	**32**	**25**	**16**	**1**	**-40**
SCR Fan Inlet	0	0	35	2250.2										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				2250.2		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet, SPL				**2250.2**	**21.5**	**28**	**27**	**31**	**24**	**17**	**16**	**8**	**-6**	**-57**
SCR Fan Casing	0	0	25	2250.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing, SPL				**2250.1**	**27.1**	**40**	**37**	**35**	**30**	**24**	**21**	**13**	**-1**	**-42**
Fan Motor	0	0	25	2250.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor, SPL				**2250.1**	**32.8**	**29**	**31**	**32**	**31**	**30**	**29**	**25**	**12**	**-29**
SCR Fan Inlet	0	0	35	2250.2										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				2250.2		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet 2, SPL				**2250.2**	**21.5**	**28**	**27**	**31**	**24**	**17**	**16**	**8**	**-6**	**-57**
SCR Fan Casing	0	0	25	2250.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing 2, SPL				**2250.1**	**27.1**	**40**	**37**	**35**	**30**	**24**	**21**	**13**	**-1**	**-42**
Fan Motor	0	0	25	2250.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				2250.1		65	65	65	65	65	65	65	65	65
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	3	5	8	18	52
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor 2, SPL				**2250.1**	**32.8**	**29**	**31**	**32**	**31**	**30**	**29**	**25**	**12**	**-29**

ATMOSPHERIC ABSORPTION (dB/100 meters - 75% of EEI Values)	0.08	0.11	0.17	0.27	0.45	0.70	1.20	2.62	7.56

Tracy Peaker Plant Project
Sound Level Calculation
Second Nearest Residential Property: 2,740 Feet West of Nominal Acoustic Center

	X	Y	Z	Distance (feet)	dBA	OCTAVE BAND CENTER FREQUENCY (Hz) 31.5	63	125	250	500	1000	2000	4000	8000
Receptor Location	2740	0	5		**42.5**	59.2	54.0	49.9	44.1	40.2	36.5	30.6	16.5	-31.7
						19.8	27.8	33.8	35.5	37.0	36.5	31.8	17.5	-32.8
Summary														
Stack Exit, SPL				2741.6	31.8	56.0	49.7	41.1	36.3	25.8	21.7	2.5	-33.3	-93.6
Combustion Turbine (CT) Inlet SPL				2740.2	22.9	35.0	38.7	31.1	29.3	16.8	0.8	-7.4	-12.3	-57.6
CT Compartment SPL				2740.1	28.4	39.0	39.7	33.1	29.3	24.8	20.8	22.6	5.7	-40.6
CT Generator SPL				2740.1	31.1	35.0	34.7	33.1	29.3	29.8	26.8	21.6	4.7	-45.6
CT COMP Vents SPL				2740.0	27.8	36.0	36.7	37.1	28.3	24.8	21.8	16.6	9.7	-41.6
Cooling Water Module, SPL				2740.0	33.5	29.0	28.7	42.1	33.3	31.8	28.8	14.6	-2.3	-41.6
CT Transformer (GSUT), SPL				2740.0	29.8	30.0	35.7	37.1	31.3	29.8	21.8	12.6	-4.3	-52.6
Stack Exit 2, SPL				2741.6	31.8	56.0	49.7	41.1	36.3	25.8	21.7	2.5	-33.3	-93.6
Combustion Turbine (CT) Inlet 2, SPL				2740.2	22.9	35.0	38.7	31.1	29.3	16.8	0.8	-7.4	-12.3	-57.6
CT Compartment 2, SPL				2740.1	28.4	39.0	39.7	33.1	29.3	24.8	20.8	22.6	5.7	-40.6
CT Generator 2, SPL				2740.1	31.1	35.0	34.7	33.1	29.3	29.8	26.8	21.6	4.7	-45.6
CT COMP Vents 2, SPL				2740.0	27.8	36.0	36.7	37.1	28.3	24.8	21.8	16.6	9.7	-41.6
Cooling Water Module 2, SPL				2740.0	33.5	29.0	28.7	42.1	33.3	31.8	28.8	14.6	-2.3	-41.6
CT Transformer (GSUT) 2, SPL				2740.0	29.8	30.0	35.7	37.1	31.3	29.8	21.8	12.6	-4.3	-52.6
SCR Fan Inlet, SPL				2740.2	19.1	26.0	24.7	29.1	22.3	14.8	12.8	4.6	-11.3	-69.6
SCR Fan Casing, SPL				2740.1	24.7	38.0	34.7	33.1	28.3	21.8	17.8	9.6	-6.3	-54.6
Fan Motor, SPL				2740.1	30.0	27.0	28.7	30.1	29.3	27.8	25.8	21.6	6.7	-41.6
SCR Fan Inlet 2, SPL				2740.2	19.1	26.0	24.7	29.1	22.3	14.8	12.8	4.6	-11.3	-69.6
SCR Fan Casing 2, SPL				2740.1	24.7	38.0	34.7	33.1	28.3	21.8	17.8	9.6	-6.3	-54.6
Fan Motor 2, SPL				2740.1	30.0	27.0	28.7	30.1	29.3	27.8	25.8	21.6	6.7	-41.6
Distance to acoustic center				**2740.3**										
Stack Exit	0	0	100	2741.6										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				2741.6		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit, SPL				**2741.6**	**31.8**	**56**	**50**	**41**	**36**	**26**	**22**	**3**	**-33**	**-94**
Combustion Turbine (CT) Inlet	0	0	35	2740.2										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				2740.2		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet SPL				**2740.2**	**22.9**	**35**	**39**	**31**	**29**	**17**	**1**	**-7**	**-12**	**-58**
CT Compartment	0	0	25	2740.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment SPL				**2740.1**	**28.4**	**39**	**40**	**33**	**29**	**25**	**21**	**23**	**6**	**-41**
CT Generator	0	0	25	2740.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator SPL				**2740.1**	**31.1**	**35**	**35**	**33**	**29**	**30**	**27**	**22**	**5**	**-46**
CT COMP Vents	0	0	18	2740.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0

Barrier						0	0	0	0	0	0	0	0	0
CT COMP Vents SPL				**2740.0**	**27.8**	**36**	**37**	**37**	**28**	**25**	**22**	**17**	**10**	**-42**
Cooling Water Module	0	0	20	2740.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
Cooling Water Module, SPL				**2740.0**	**33.5**	**29**	**29**	**42**	**33**	**32**	**29**	**15**	**-2**	**-42**
CT Transformer (GSUT)	0	0	16	2740.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT), SPL				**2740.0**	**29.8**	**30**	**36**	**37**	**31**	**30**	**22**	**13**	**-4**	**-53**
Stack Exit	0	0	100	2741.6										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				2741.6		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit 2, SPL				**2741.6**	**31.8**	**56**	**50**	**41**	**36**	**26**	**22**	**3**	**-33**	**-94**
Combustion Turbine (CT) Inlet	0	0	35	2740.2										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				2740.2		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet 2, SPL				**2740.2**	**22.9**	**35**	**39**	**31**	**29**	**17**	**1**	**-7**	**-12**	**-58**
CT Compartment	0	0	25	2740.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment 2, SPL				**2740.1**	**28.4**	**39**	**40**	**33**	**29**	**25**	**21**	**23**	**6**	**-41**
CT Generator	0	0	25	2740.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator 2, SPL				**2740.1**	**31.1**	**35**	**35**	**33**	**29**	**30**	**27**	**22**	**5**	**-46**
CT COMP Vents	0	0	18	2740.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT COMP Vents 2, SPL				**2740.0**	**27.8**	**36**	**37**	**37**	**28**	**25**	**22**	**17**	**10**	**-42**
Cooling Water Module	0	0	20	2740.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0

Cooling Water Module 2, SPL				**2740.0**	**33.5**	**29**	**29**	**42**	**33**	**32**	**29**	**15**	**-2**	**-42**
CT Transformer (GSUT)	0	0	16	2740.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				2740.0		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT) 2, SPL				**2740.0**	**29.8**	**30**	**36**	**37**	**31**	**30**	**22**	**13**	**-4**	**-53**
SCR Fan Inlet	0	0	35	2740.2										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				2740.2		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet, SPL				**2740.2**	**19.1**	**26**	**25**	**29**	**22**	**15**	**13**	**5**	**-11**	**-70**
SCR Fan Casing	0	0	25	2740.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing, SPL				**2740.1**	**24.7**	**38**	**35**	**33**	**28**	**22**	**18**	**10**	**-6**	**-55**
Fan Motor	0	0	25	2740.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor, SPL				**2740.1**	**30.0**	**27**	**29**	**30**	**29**	**28**	**26**	**22**	**7**	**-42**
SCR Fan Inlet	0	0	35	2740.2										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				2740.2		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet 2, SPL				**2740.2**	**19.1**	**26**	**25**	**29**	**22**	**15**	**13**	**5**	**-11**	**-70**
SCR Fan Casing	0	0	25	2740.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing 2, SPL				**2740.1**	**24.7**	**38**	**35**	**33**	**28**	**22**	**18**	**10**	**-6**	**-55**
Fan Motor	0	0	25	2740.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				2740.1		66	66	66	66	66	66	66	66	66
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	1	2	4	6	10	22	63
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor 2, SPL				**2740.1**	**30.0**	**27**	**29**	**30**	**29**	**28**	**26**	**22**	**7**	**-42**
ATMOSPHERIC ABSORPTION (dB/100 meters - 75% of EEI Values)						0.08	0.11	0.17	0.27	0.45	0.70	1.20	2.62	7.56

Tracy Peaker Plant Project
Sound Level Calculation
Third Nearest Residential Property: 3,810 Feet East of Nominal Acoustic Center

	X	Y	Z	Distance (feet)	dBA	OCTAVE BAND CENTER FREQUENCY (Hz) 31.5	63	125	250	500	1000	2000	4000	8000
Receptor Location	3810	0	5		**38.1**	56.1	50.8	46.5	40.3	35.9	31.4	23.8	5.1	-59.2
						16.7	24.6	30.4	31.7	32.7	31.4	25.0	6.1	-60.3
Summary														
Stack Exit, SPL				3811.2	28.0	52.8	46.5	37.7	32.6	21.5	16.6	-4.2	-44.7	-121.1
Combustion Turbine (CT) Inlet SPL				3810.1	19.1	31.8	35.5	27.7	25.6	12.5	-4.4	-14.2	-23.7	-85.1
CT Compartment SPL				3810.1	23.5	35.8	36.5	29.7	25.6	20.5	15.6	15.8	-5.7	-68.1
CT Generator SPL				3810.1	26.3	31.8	31.5	29.7	25.6	25.5	21.6	14.8	-6.7	-73.1
CT COMP Vents SPL				3810.0	23.3	32.8	33.5	33.7	24.6	20.5	16.6	9.8	-1.7	-69.1
Cooling Water Module, SPL				3810.0	29.1	25.8	25.5	38.7	29.6	27.5	23.6	7.8	-13.7	-69.1
CT Transformer (GSUT), SPL				3810.0	25.6	26.8	32.5	33.7	27.6	25.5	16.6	5.8	-15.7	-80.1
Stack Exit 2, SPL				3811.2	28.0	52.8	46.5	37.7	32.6	21.5	16.6	-4.2	-44.7	-121.1
Combustion Turbine (CT) Inlet 2, SPL				3810.1	19.1	31.8	35.5	27.7	25.6	12.5	-4.4	-14.2	-23.7	-85.1
CT Compartment 2, SPL				3810.1	23.5	35.8	36.5	29.7	25.6	20.5	15.6	15.8	-5.7	-68.1
CT Generator 2, SPL				3810.1	26.3	31.8	31.5	29.7	25.6	25.5	21.6	14.8	-6.7	-73.1
CT COMP Vents 2, SPL				3810.0	23.3	32.8	33.5	33.7	24.6	20.5	16.6	9.8	-1.7	-69.1
Cooling Water Module 2, SPL				3810.0	29.1	25.8	25.5	38.7	29.6	27.5	23.6	7.8	-13.7	-69.1
CT Transformer (GSUT) 2, SPL				3810.0	25.6	26.8	32.5	33.7	27.6	25.5	16.6	5.8	-15.7	-80.1
SCR Fan Inlet, SPL				3810.1	15.0	22.8	21.5	25.7	18.6	10.5	7.6	-2.2	-22.7	-97.1
SCR Fan Casing, SPL				3810.1	20.6	34.8	31.5	29.7	24.6	17.5	12.6	2.8	-17.7	-82.1
Fan Motor, SPL				3810.1	25.1	23.8	25.5	26.7	25.6	23.5	20.6	14.8	-4.7	-69.1
SCR Fan Inlet 2, SPL				3810.1	15.0	22.8	21.5	25.7	18.6	10.5	7.6	-2.2	-22.7	-97.1
SCR Fan Casing 2, SPL				3810.1	20.6	34.8	31.5	29.7	24.6	17.5	12.6	2.8	-17.7	-82.1
Fan Motor 2, SPL				3810.1	25.1	23.8	25.5	26.7	25.6	23.5	20.6	14.8	-4.7	-69.1
Distance to acoustic center				**3810.2**										
Stack Exit	0	0	100	3811.2										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				3811.2		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit, SPL				**3811.2**	**28.0**	**53**	**46**	**38**	**33**	**21**	**17**	**-4**	**-45**	**-121**
Combustion Turbine (CT) Inlet	0	0	35	3810.1										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet SPL				**3810.1**	**19.1**	**32**	**35**	**28**	**26**	**12**	**-4**	**-14**	**-24**	**-85**
CT Compartment	0	0	25	3810.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment SPL				**3810.1**	**23.5**	**36**	**36**	**30**	**26**	**20**	**16**	**16**	**-6**	**-68**
CT Generator	0	0	25	3810.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator SPL				**3810.1**	**26.3**	**32**	**31**	**30**	**26**	**25**	**22**	**15**	**-7**	**-73**
CT COMP Vents	0	0	18	3810.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0

CT COMP Vents SPL				**3810.0**	**23.3**	**33**	**33**	**34**	**25**	**20**	**17**	**10**	**-2**	**-69**
Cooling Water Module	0	0	20	3810.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
Cooling Water Module, SPL				**3810.0**	**29.1**	**26**	**25**	**39**	**30**	**27**	**24**	**8**	**-14**	**-69**
CT Transformer (GSUT)	0	0	16	3810.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT), SPL				**3810.0**	**25.6**	**27**	**33**	**34**	**28**	**25**	**17**	**6**	**-16**	**-80**
Stack Exit	0	0	100	3811.2										
Standard Lw						125	120	113	110	102	101	87	65	48
Distance Correction				3811.2		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity						2	3	4	5	6	7	8	10	12
Stack Exit 2, SPL				**3811.2**	**28.0**	**53**	**46**	**38**	**33**	**21**	**17**	**-4**	**-45**	**-121**
Combustion Turbine (CT) Inlet	0	0	35	3810.1										
Standard Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Mitigation						0	0	0	0	0	0	0	0	0
Upgraded Silencer Lw					**92.3**	102	106	99	98	87	78	74	81	77
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	5	5	5	5
Barrier						0	0	0	0	0	0	0	0	0
Combustion Turbine (CT) Inlet 2, SPL				**3810.1**	**19.1**	**32**	**35**	**28**	**26**	**12**	**-4**	**-14**	**-24**	**-85**
CT Compartment	0	0	25	3810.1										
Lw					**102.8**	106	107	101	98	95	93	99	94	89
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.8**	106	107	101	98	95	93	99	94	89
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Compartment 2, SPL				**3810.1**	**23.5**	**36**	**36**	**30**	**26**	**20**	**16**	**16**	**-6**	**-68**
CT Generator	0	0	25	3810.1										
Lw					**104.0**	102	102	101	98	100	99	98	93	84
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.0**	102	102	101	98	100	99	98	93	84
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT Generator 2, SPL				**3810.1**	**26.3**	**32**	**31**	**30**	**26**	**25**	**22**	**15**	**-7**	**-73**
CT COMP Vents	0	0	18	3810.0										
Lw					**102.2**	103	104	105	97	95	94	93	98	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**102.2**	103	104	105	97	95	94	93	98	88
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
CT COMP Vents 2, SPL				**3810.0**	**23.3**	**33**	**33**	**34**	**25**	**20**	**17**	**10**	**-2**	**-69**
Cooling Water Module	0	0	20	3810.0										
Lw					**104.4**	96	96	110	102	102	101	91	86	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**104.4**	96	96	110	102	102	101	91	86	88
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Directivity				n		0	0	0	0	0	0	0	0	0
Barrier						0	0	0	0	0	0	0	0	0
Cooling Water Module 2, SPL				**3810.0**	**29.1**	**26**	**25**	**39**	**30**	**27**	**24**	**8**	**-14**	**-69**

CT Transformer (GSUT)	0	0	16	3810.0										
Lw					**105.4**	102	108	110	105	105	99	94	89	82
Mitigation						5	5	5	5	5	5	5	5	5
Mitigated Lw					**100.4**	97	103	105	100	100	94	89	84	77
Distance Correction				3810.0		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
CT Transformer (GSUT) 2, SPL				**3810.0**	**25.6**	**27**	**33**	**34**	**28**	**25**	**17**	**6**	**-16**	**-80**
SCR Fan Inlet	0	0	35	3810.1										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet, SPL				**3810.1**	**15.0**	**23**	**21**	**26**	**19**	**10**	**8**	**-2**	**-23**	**-97**
SCR Fan Casing	0	0	25	3810.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing, SPL				**3810.1**	**20.6**	**35**	**31**	**30**	**25**	**17**	**13**	**3**	**-18**	**-82**
Fan Motor	0	0	25	3810.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor, SPL				**3810.1**	**25.1**	**24**	**25**	**27**	**26**	**23**	**21**	**15**	**-5**	**-69**
SCR Fan Inlet	0	0	35	3810.1										
Lw					**90.0**	93	92	97	91	85	85	81	77	60
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**90.0**	93	92	97	91	85	85	81	77	60
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Inlet 2, SPL				**3810.1**	**15.0**	**23**	**21**	**26**	**19**	**10**	**8**	**-2**	**-23**	**-97**
SCR Fan Casing	0	0	25	3810.1										
Lw					**95.5**	105	102	101	97	92	90	86	82	75
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**95.5**	105	102	101	97	92	90	86	82	75
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
SCR Fan Casing 2, SPL				**3810.1**	**20.6**	**35**	**31**	**30**	**25**	**17**	**13**	**3**	**-18**	**-82**
Fan Motor	0	0	25	3810.1										
Lw					**103.6**	94	96	98	98	98	98	98	95	88
Mitigation						0	0	0	0	0	0	0	0	0
Mitigated Lw					**103.6**	94	96	98	98	98	98	98	95	88
Distance Correction				3810.1		69	69	69	69	69	69	69	69	69
Atmospheric Absorption (59 deg F, 70% R.H.)						1	1	2	3	5	8	14	30	88
Barrier						0	0	0	0	0	0	0	0	0
Fan Motor 2, SPL				**3810.1**	**25.1**	**24**	**25**	**27**	**26**	**23**	**21**	**15**	**-5**	**-69**

ATMOSPHERIC ABSORPTION (dB/100 meters - 75% of EEI Values)	0.08	0.11	0.17	0.27	0.45	0.70	1.20	2.62	7.56