Appendix I NOISE TECHNICAL REPORT

2-HR AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03/23/2017
Stantec Technician:	Colleen Hulbert

Location and Description of Measurement (Receptor Location):

Receptor 1, on grassy verge between Kellogg Ave and sidewalk.

Approximate Distance from Receptor:

Time Measurement Began:	1120		**Time Measurement Ended:**	1320	
Data Stored as Recorded #:	Project 001	R1_day			
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

64°F, sunny and breezy.

Description/sources of ambient noise:

- Wind in surrounding trees
- Helicopter in distance at approximately 1121; 1244; 1301
- Train at approximately 1126 (no horn); 1248; 1258
- Train at approximately 1129 (with distant horn); 1134; 1140; 1214; 1219
- Quiet conversation with curious pedestrian at 1143; 1207;
- Screechy car start at 1155
- Girl singing near meter at 1202
- Bed of truck loaded with newspaper near meter between 1202 and 1225.
- Street Sweeper at 1225; 1228; 1243; 1246; 1248; 1249
- Car horn @ 1254; 1300
- Skateboarder @ 1257; 1301
- Normal automotive traffic

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Posekian

Location and Description of Measurement (Receptor Location):

Receptor 1; Kellogg Ave.

Approximate Distance from Receptor:

Time Measurement Began:	2050		**Time Measurement Ended:**	2105	
Data Stored as Recorded #:	015 R1_eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Dusk; clear; ~60-65°F; No wind

Description/sources of ambient noise:

Traffic; Crickets;

2-HR AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03/24/2017
Stantec Technician:	Colleen Hulbert

Location and Description of Measurement (Receptor Location):

Receptor 1, located on grassy verge between Kellogg Ave. and sidewalk.

Approximate Distance from Receptor:

Time Measurement Began:	0000		**Time Measurement Ended:**	0200	
Data Stored as Recorded #:	Project 003 R1_night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

54°F, clear.

Description/sources of ambient noise:

- Crickets
- Traffic along San Fernando Road
- Train passing (with distant horn) @ 0025; 0115; 0145
- Police sirens @ 0105; 0155
- Car alarm @ 0135

2-HR AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03/23/2017
Stantec Technician:	Colleen Hulbert

Location and Description of Measurement (Receptor Location):

Receptor 2, on sidewalk between Highland and Arco station near entrance to Alley.

Approximate Distance from Receptor:

Time Measurement Began:	1342		**Time Measurement Ended:**	1542	
Data Stored as Recorded #:	Project 002 R2_day				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

72° F, sunny, breezy, clear

Description/sources of ambient noise:

- Traffic along San Fernando and Highland.
- Truck 'backup beeping' @ 1351; 1538
- Helicopter in distance @ 1354; 1541
- Arco gas station customers
- Police sirens (distant) @ 1404
- Garbage bins moved around meter @ 1502
- Passing train (no horn) @ 1505; 1515; 1531
- Car horn @ 1522; 1530; 1541
- Passing train (with distant horn) @ 1411; 1438; 1524; 1530; 1535
- Wind in surrounding trees
- Street sweeper @ 1448; 1458; 1503

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Posekian

Location and Description of Measurement (Receptor Location):

Receptor 2: Highland; Near Arco gas station

Approximate Distance from Receptor:

Time Measurement Began:	2117		**Time Measurement Ended:**	2132	
Data Stored as Recorded #:	016 R2-eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Dusk; Clear; ~60°F; No wind

Description/sources of ambient noise:

Traffic; Air Compressor to inflate tires; Cars starting @ gas station
@ 2123 Train passes w/ horn blowing; @ 2124 siren in distance
@ 2128 very loud car (Mustang) passes

2-HR AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03/24/2017
Stantec Technician:	Colleen Hulbert

Location and Description of Measurement (Receptor Location):

Receptor 2, on sidewalk between Highland and ARCO station near entrance to alley.

Approximate Distance from Receptor:

Time Measurement Began:	0213		**Time Measurement Ended:**	0413	
Data Stored as Recorded #:	Project 004 R2_night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

52°F, clear, still.

Description/sources of ambient noise:

- Traffic along San Fernando Road
- Pumps at ARCO station
- Woman yelling for cat @ 0226
- Passing train (no horn) @ 0329
- Sprinklers at the house nearest the meter came on @ 0339 and off @ 0349. Neighboring sprinklers on @ 0349 and continued through the remainder of the reading.

25-hour Ambient Noise Measurement Data Sheet

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2270
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model
Stantec Technician:	L. Butler / R. Brown

Location and Description of Measurement (Receptor Location): meteorological conditions

Receptor 3, 25 hr In parking lot of medical center	66°F, sunny winds ~ 9mph

Start time: 1153 03/23/17 **End Time:** 1253 03/24/17

Thursday, March 23, 2017

Time:	Description/sources of ambient noise:
1153	Start meter at Receptor 3, 66°F sunny winds ~ 9 mph
1202	Truck drives in alley and collects trash
1214	Passenger train goes by
1219	Passenger train goes by
1248	Passenger train goes by
1256	72°F sunny winds ~ 8 mph
1258	passenger train goes by
1326	Passenger train goes by
1332	Siren on street
1347	72°F sunny winds ~ 6 mph
1411	passenger train goes by
1439	passenger train goes by
1450	Street sweeper comes down adjacent street, 73°F sunny winds ~ 5mph
1505	Passenger train goes by
1515	Passenger train goes by
1524	Passenger train goes by
1530	Passenger train goes by
1535	Passenger train goes by
1543	Passenger train goes by
1549	Passenger train goes by, 70°F sunny winds ~ 6 mph
1551	Passenger train goes by
1604	Passenger train goes by
1612	Passenger train goes by
1622	Passenger train goes by

25-hour Ambient Noise Measurement Data Sheet

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2270
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model
Stantec Technician:	L. Butler / R. Brown

Location and Description of Measurement (Receptor Location):

Receptor 3 - 25 hr reading

Start time: _____ **End Time:** _____

Thursday, March 23, 2017 CONTINUED

Time:	Description/sources of ambient noise:
1632	Passenger train goes by
1643	Passenger train goes by, 70°F sunny ~ 8 mph winds
1704	Passenger train goes by
1708	Passenger train goes by
1724	Passenger train goes by
1734	Loud motorcycle passes on street
1754	Passenger train goes by, 67°F sunny, ~ 7 mph winds
1801	Passenger train goes by
1805	Passenger train goes by
1809	Passenger train goes by
1813	Passenger train goes by
1855	64°F, no clouds, winds ~ 4mph, passenger train goes by
1902	Passenger train goes by
1929	Passenger train goes by
1950	Passenger train goes by, 61°F, clear sky, ~ 5mph winds
2014	Passenger train goes by
2020	Passenger train goes by
2026	Passenger train goes by
2035	Passenge train goes by
2048	Passenge train goes by, 57°F, clear sky, no wind
2123	Passenger train goes by
2140	Passenger train goes by
2157	Freight train goes by, 56°F, clear sky, no wind
2227	Freight train goes by

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25-hour Ambient Noise Measurement Data Sheet

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2270
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model
Stantec Technician:	L. Butler / R. Brown

Location and Description of Measurement (Receptor Location):

Friday, March 24, 2017

Time:	Description/sources of ambient noise:
0025	Freight train passes by
0024 – 0038	shift change
0115	Freight train passes
0135	58°F, clear, 15 mph wind
0146	Freight train
0300	54°F, hazy, 1 mph wind
0328	Freight train w/horn
0417	49°F, hazy, 15 mph wind
0528	Passenger train w/horn
0558	Passenger train w/ horn — 51°F, hazy, 0 Mph wind
0637	Passenger train
0707	Passenger train w/horn
0708	Passenger train
0730	Passenger train
0730	Passenger train w/horn (opposite direction) — 51°F, sunny, 0.5 mph wind
0736	Passenger train w/horn
0744	Passenger train
0748	Passenger train
0751	Trash truck backup alarm, dumpster dump in alley
0754	Passenger train
0813	Passenger train w/horn — 54°F, sunny, 0.5 mph wind
0814	Siren down San Fernando Rd. (to N)
0820	Passenger train, sounded horn to S. of recording location.
0838	Passenger train
0839	Passenger train w/horn
0846	Passenger train
0848	Passenger train w/horn

25-hour Ambient Noise Measurement Data Sheet

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2270
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model
Stantec Technician:	L. Butler / R. Brown / K Poseliam

Location and Description of Measurement (Receptor Location):

Receptor 3 - 25 Hr measurement
SE corner of medical center parking lot

Friday, March 24, 2017

Time:	Description/sources of ambient noise:
0859	Passenger train w/ horn
0904	Passenger train w/ horn slowly passing
0911	Passenger train
0917	Car Starts - Shift change
0926	Passenger train; horn blows in distance
0934	Passenger train w/ horn
0937	Passenger train w/ horn.
0941	Airplane passes overhead
0954	Passenger train w/ horn.
0957	Fed Ex truck stops & starts engine in immediate vicinity of meter
0959	Helicopter passes overhead; Passenger train w/ horn. Sunny; 68°F; 1mph wind.
1008	Passenger train w/ horn.
1035	Passenger train w/ horn.
1055	Passenger train w/ horn. Sunny; 69°F; 1 mph wind
1127	Passenger train w/ horn.
1132	Passenger train w/ horn.
1140	Dogs barking in adjacent property's back yard.
1212	Helicopter passes overhead; Dogs continue to bark. Sunny; 71°F; 1mph wind.
1215	Passenger train w/ horn
1219	Passenger train w/ horn.
1220	Passenger train w/ horn.
1252	Generator for Paving company turns on; Pavers begin saw-cutting concrete.
1253	Complete 25 Hour Noise monitoring

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15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Posekian

Location and Description of Measurement (Receptor Location):

Receptor 4; Fairmont Ave in front of Powerplant gate

Approximate Distance from Receptor:

Time Measurement Began:	12:17		**Time Measurement Ended:**	1233	
Data Stored as Recorded #:	004 R4-day				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny; 65°F; Breezy

Description/sources of ambient noise:

Traffic; Hum of ancillary machinery from Powerplant, @ 1230 man on bike in conversation on phone rides by.

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. PoseKian

Location and Description of Measurement (Receptor Location):

Receptor 4: Fairmont Ave in front of Powerplant Gate

Approximate Distance from Receptor:

Time Measurement Began:	1930		**Time Measurement Ended:**	1945	
Data Stored as Recorded #:	012 R4_eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Dusk; Clear; ~60-65°F; Light Breeze

Description/sources of ambient noise:

Traffic; Low Hum from ancillary machinery from Powerplant

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Poselyan

Location and Description of Measurement (Receptor Location):

Receptor 4; Fairmont Ave in front of Powerplant gate

Approximate Distance from Receptor:

Time Measurement Began:	2310		**Time Measurement Ended:**	2325	
Data Stored as Recorded #:	018 R4_night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Night; Clear; ~55°F; No wind

Description/sources of ambient noise:

Traffic; Hum from Ancilary machines in plant, @2316 Helicopter passes overhead

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name: Grayson Power Plant

Project Number: 2057123300

ise Meter Make and Type: Bruell & Kjaer Model 2250

Microphone: Bruel & Kjaer 1/2" Free-field Microphone

Acoustical Calibrator: Bruel & Kjaer Model 4231

Date of Measurement: 3/23/17

Stantec Technician: K Poseklan

Location and Description of Measurement (Receptor Location): Receptor 5; Fairmont Ave.

Approximate Distance from Receptor:

Time Measurement Began: 11:26

Data Stored as Recorded #: 002 R5-day

Time Measurement Ended: 11:42

Leq:		dBA	**L90:**	dBA
MaxP:		dBC	**L75:**	dBA
MinL:		dBA	**L50:**	dBA
MaxL:		dBA	**L25:**	dBA
SEL:		dBA	**L10:**	dBA
LVN:		dBA		

Description of meteorological conditions (weather, wind, temperature, etc.): Sunny; 65°F; Breezy;

Description/sources of ambient noise: Disney Blowers; Traffic; @ 1129 Train Horn in distance; @1131 - 2 girls walking by in conversation; @1137 - 2 men walking by in conversation

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. PoseKian

Location and Description of Measurement (Receptor Location):

Receptor 5; Fairmont Ave

Approximate Distance from Receptor:

Time Measurement Began:	2019		**Time Measurement Ended:**	2034	
Data Stored as Recorded #:	014 R5_eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Dusk; Clear; 60°F; No wind.

Description/sources of ambient noise:

Traffic; Hum from Disney Blazers; @2020 train horn in distance
Distant whistles from soccer field during soccer game.

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17 - 3/24/17
Stantec Technician:	K. Poseklan

Location and Description of Measurement (Receptor Location):

Receptor 5: Fairmont Ave

Approximate Distance from Receptor:

Time Measurement Began:	2351		**Time Measurement Ended:**	0006	
Data Stored as Recorded #:	020 R5-night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Night; Clear; ~55°F; No wind.

Description/sources of ambient noise:

Traffic; Hum from Disney Blowers

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K Poskian

Location and Description of Measurement (Receptor Location):

Receptor 6 : Flower Ave

Approximate Distance from Receptor:

Time Measurement Began:	1150		**Time Measurement Ended:**	1205	
Data Stored as Recorded #:	003 R6_day				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny; 65° F; Breezy

Description/sources of ambient noise:

Traffic; Hum of ancillary machinery from Powerplant

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. PoseKian

Location and Description of Measurement (Receptor Location):

Receptor 6: Flower Ave.

Approximate Distance from Receptor:

Time Measurement Began:	1955		**Time Measurement Ended:**	2010	
Data Stored as Recorded #:	013 R6_eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Dusk; Clear; ~60-65°F, No wind

Description/sources of ambient noise:

Traffic; Hum of Street Light; Hum from Ancillary machinery from plant

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Pasekian

Location and Description of Measurement (Receptor Location):

Receptor 6 ; Flower Ave.

Approximate Distance from Receptor:

Time Measurement Began:	2332		**Time Measurement Ended:**	2347	
Data Stored as Recorded #:	019 R6_night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Night; Clear; ~55°F; No Wind.

Description/sources of ambient noise:

Traffic; Loud Hum from Street Light; @2339 People yelling from Car

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
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Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Poseyan

Location and Description of Measurement (Receptor Location):

Receptor 7: Zoo Drive near John Ferraro Athletic Fields

Approximate Distance from Receptor:

Time Measurement Began:	12:50		**Time Measurement Ended:**	1305	
Data Stored as Recorded #:	005 R7_day				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny; 65-70°F; Breezy

Description/sources of ambient noise:

Traffic; Birds chirping; Car Doors opening/closing in Park's parking lot; Hum of ancillary machinery from plant; @ 1300 Bike rider goes by.

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	3/23/17
Stantec Technician:	K. Pasekian

Location and Description of Measurement (Receptor Location):

Receptor 7: John Ferraro Athletic Fields

Approximate Distance from Receptor:

Time Measurement Began:	1901		**Time Measurement Ended:**	1916	
Data Stored as Recorded #:	011 RT_eve				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny (sunsetting); 45°F; Light wind

Description/sources of ambient noise:

Traffic; Idling Cars in immediate vicinity; Opening/closing of doors; Chirping Birds; Hum of ancillary machinery from plant;

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	2/23/17
Stantec Technician:	K. Posekian

Location and Description of Measurement (Receptor Location):

Receptor 7: John Ferraro Athletic Park; Zoo Dr.

Approximate Distance from Receptor:

Time Measurement Began:	2240		**Time Measurement Ended:**	2255	
Data Stored as Recorded #:	017 R7_night				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Night; Clear; ~55°F; No wind

Description/sources of ambient noise:

@ 2240: car engine (very loud) starts, @ 2243 Car leaves @ 2249 Car w/ loud music parks next to meter; Traffic; Starting Cars; Hum of ancillary Machinery from plant (water cooling towers)

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03.23.17
Stantec Technician:	S. Roberts

Location and Description of Measurement (Receptor Location):

Cooling tower 5 (50' from corner of unit)

Approximate Distance from Receptor:

within the power plant

Time Measurement Began:	15:01:44		**Time Measurement Ended:**	15:16:44	
Data Stored as Recorded #:	007 cooling_tower_5_at_50ft				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny 71°F Slight breeze

Description/sources of ambient noise:

- water of cooling tower
- @ 15:10 helicopter flew over head
- high pitch hum of equipment

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03.23.17
Stantec Technician:	S. Roberts

Location and Description of Measurement (Receptor Location):

middle of cooling tower (3) of (5) (50' from tower)

Approximate Distance from Receptor:

within the power plant

Time Measurement Began:	15:20:52		**Time Measurement Ended:**	15:35:52	
Data Stored as Recorded #:	008 Cooling tower 50@50ft2				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny, 71F ~~breezy~~ windy

Description/sources of ambient noise:

water from cooling tower

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03.23.17
Stantec Technician:	S Roberts

Location and Description of Measurement (Receptor Location):

oil pump 50' from center

Approximate Distance from Receptor:

within the Power Plant

Time Measurement Began:	15:41:33		**Time Measurement Ended:**	15:56:33	
Data Stored as Recorded #:	009 oil_pump				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny 70° Breezy (SSW 6mph)

Description/sources of ambient noise:

Squeeker belt on equipment; rattling of walk ways and fans @ 155 compressor Kicked on; generator under canopy;

15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET

Project Name:	Grayson Power Plant
Project Number:	2057123300
Noise Meter Make and Type:	Bruell & Kjaer Model 2250
Microphone:	Bruel & Kjaer 1/2" Free-field Microphone
Acoustical Calibrator:	Bruel & Kjaer Model 4231
Date of Measurement:	03 23 16
Stantec Technician:	S Roberts

Location and Description of Measurement (Receptor Location):

Turbine deck 1

(T. Deck 1-5 in operation)

Approximate Distance from Receptor:

50' within power plant

Time Measurement Began:	16:03:52		**Time Measurement Ended:**	16:18:52	
Data Stored as Recorded #:	010 turbine_deck_1-@-50ft				
Leq:		dBA	**L90:**		dBA
MaxP:		dBC	**L75:**		dBA
MinL:		dBA	**L50:**		dBA
MaxL:		dBA	**L25:**		dBA
SEL:		dBA	**L10:**		dBA
LVN:		dBA			

Description of meteorological conditions (weather, wind, temperature, etc.):

Sunny, 70°F breezy SSW 6-8 mph

Description/sources of ambient noise:

- train @ 1605 + deck 1-5 in operation during recording
- truck pass by @ 1609 and 1610
- train @ 16:12