## FINAL ENVIRONMENTAL IMPACT REPORT GRAYSON REPOWERING PROJECT

Appendix I Noise Technical Report March 1, 2018

## Appendix I NOISE TECHNICAL REPORT

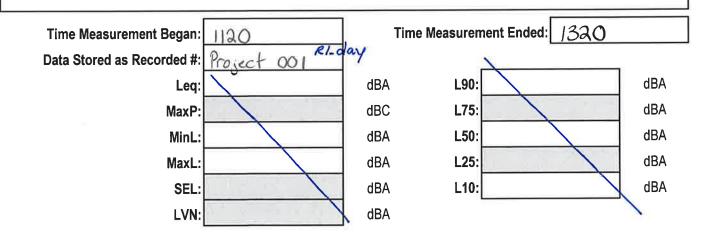


| Project Name:              | Grayson Power Plant                      |
|----------------------------|--|
| Project Number:            | 2057123300                               |
| Noise Meter Make and Type: | Bruell & Kjaer Model 2250                |
| Microphone:                | Bruel & Kjaer 1/2" Free-field Microphone |
| Acoustical Calibrator:     | Bruel & Kjaer Model 4231                 |
| Date of Measurement:       | 03/23/2017                               |
| 4                          | College Hilliert                         |

Location and Description of Measurement (Receptor Location):

Receptor I on grassy verge between Kellogg Ave and sidewalk.

**Approximate Distance from Receptor:** 



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

64°F, sunny and breezy

#### Description/sources of ambient noise:

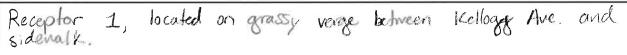
- · Wind in surrounding trees
- · Helicopter in distance at approximately 1121; 1244; 1301
- ·Train at approximately 1126 (no horn); 1248; 1258
- · Train at approximately 1129 (with distant hom); 1134; 1140; 1214; 1219
- · Quiet conversation with curious pedestrian at 1143; 1207;
- · Screechy car start 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;
- · Car horn @ 1254; 1300
- · Skateboarder @ 1257; 1301
- · Normal automotive traffic

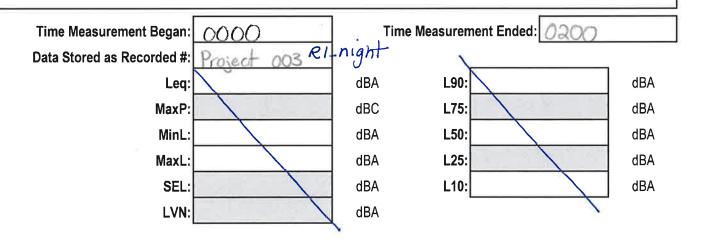
| Project Name:                      | Grayson Power Plant        |                 |                      |      |
|------------------------------------|----------------------------|-----------------|----------------------|------|
| Project Number:                    | 2057123300                 |                 |                      |      |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 225   | 0               |                      |      |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fi | eld Microphor   | ne                   |      |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231   |                 |                      |      |
| Date of Measurement:               | 3/23/17                    |                 |                      |      |
| Stantec Technician:                | K. Posekian                |                 |                      |      |
| Location and Description of Measu  |                            | ion):           |                      |      |
| Receptor 1°, K                     | ellogg Ave.                |                 |                      |      |
| ·                                  |                            |                 |                      |      |
|                                    |                            |                 |                      |      |
| Approximate Distance from Recept   | or:                        |                 |                      |      |
|                                    |                            |                 |                      |      |
|                                    |                            |                 |                      |      |
|                                    |                            |                 |                      |      |
| Time Measurement Began:            | 2050                       |                 | e Measurement Ended: | 2105 |
| Data Stored as Recorded #:         | 015 RI_eve                 |                 |                      |      |
| Leq:                               | 45                         | dBA             | L90:                 | dBA  |
| MaxP:                              |                            | dBC             | L75:                 | dBA  |
| MinL:                              |                            | dBA             | L50:                 | dBA  |
| MaxL:                              |                            | dBA             | L25:                 | dBA  |
| SEL:                               |                            | dBA             | L10:                 | dBA  |
| LVN:                               |                            | dBA             |                      |      |
|                                    |                            |                 |                      |      |
| Description of meteorological cond |                            |                 |                      |      |
| DUSK; Clear                        | ~ ~ 60-65°F~               | Mound           |                      |      |
| /                                  | F.                         | , 0 0 0 0 1 1 0 |                      |      |
|                                    |                            |                 |                      |      |
| Description/sources of ambient no  | 001                        |                 |                      |      |
|                                    |                            |                 |                      |      |
|                                    |                            |                 |                      |      |
| Traffic to                         |                            |                 |                      | 1    |

| 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):



#### **Approximate Distance from Receptor:**



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

54°F, clear.

#### Description/sources of ambient noise:

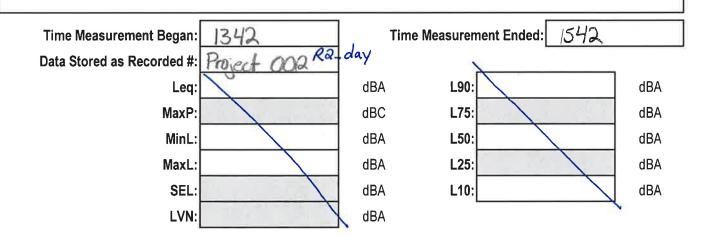
· Crickets
· Traffic along Sun Fernanda Road
· Transpassing (with distant torn) @ 0025; 0115; 0145
· Police sirens @ 0105; 0155

| 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                               |
|                            | Colleen Hulbert                          |

#### Location and Description of Measurement (Receptor Location):

Receptor 2, on sidewalk between Highland and Arco station

#### Approximate Distance from Receptor:



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

72°F, sunny, breezy, clear

#### Description/sources of ambient noise:

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

| Project Name:                      | Grayson Power Plant           |              |             |                 |             |
|------------------------------------|-------------------------------|--------------|-------------|-----------------|-------------|
| Project Number:                    | 2057123300                    |              |             |                 |             |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 2250     |              |             |                 |             |
| Microphone:                        | Bruel & Kjaer 1/2" Free-field | d Microphor  | ne          |                 |             |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231      |              |             |                 |             |
| Date of Measurement:               | 3/23/17                       |              |             |                 |             |
| Stantec Technician:                | K-PoseKian                    |              |             |                 |             |
| Location and Description of Measu  | •                             | •            |             |                 |             |
| Receptor 2:                        | Highland; Near                | Arca         | gas Stat    | ian             |             |
|                                    | 9                             | (            | J           |                 |             |
|                                    |                               |              |             |                 |             |
| Approximate Distance from Recept   | tor:                          |              |             |                 |             |
|                                    |                               |              |             |                 |             |
|                                    |                               |              |             |                 |             |
|                                    |                               |              |             |                 |             |
| Time Measurement Began:            | 2-117                         | Time         | e Measureme | nt Ended: 2/3Z  |             |
| Data Stored as Recorded #:         | 016 R2-eve                    |              | _           |                 | _           |
| Leq:                               |                               | dBA          | L90:        |                 | dBA         |
| MaxP:                              |                               | dBC          | L75:        |                 | dBA         |
| MinL:                              |                               | dBA          | L50:        |                 | dBA         |
| MaxL:                              |                               | dBA          | L25:        |                 | dBA         |
| SEL:                               | First I                       | dBA          | L10:        |                 | dBA         |
| LVN:                               |                               | dBA          |             |                 |             |
|                                    |                               |              |             | V.              |             |
| Description of meteorological cond | litions (weather, wind, tem   | iperature, e | etc.):      |                 |             |
| Dusk & Clear                       | ~60°F; No Wi                  | d            |             |                 |             |
| 1                                  | 1                             |              |             |                 |             |
|                                    |                               |              |             |                 |             |
| Description/squrees of embient     | ico:                          |              |             |                 |             |
| Description/sources of ambient no  |                               | 10 L         | 1 3 3 76 2  |                 |             |
| Traffic; Air (<br>@ 2123 Tran pas  | Lompreszov to 11              | ariate       | tives, (    | ars Starting (a | 1999 States |
| (a) 2/23 Train pas                 | 25 W/ horn blowing            | 1,62         | 124 Sin     | en in distance  |             |
| P2178 VENT 1002 C                  | Carl Mustana asso             | .00          |             |                 |             |

| Project Name:   | Grayson Power Plant          | 3                                   |   |                          |
|---|------------------------------|-------------------------------------|---|--------------------------|
| Project Number:   | 2057123300                   |                                     |   |                          |
| Noise Meter Make and Type:  | Bruell & Kjaer Model 2250    |                                     |   |                          |
| Microphone:   | Bruel & Kjaer 1/2" Free-fiel | d Microphone                        |   |                          |
| Acoustical Calibrator:  | Bruel & Kjaer Model 4231     |                                     |   |                          |
| Date of Measurement:  | 03/24/2017                   |                                     |   |                          |
| Stantec Technician:   | Colleen Hulbert              |                                     |   |                          |
| Location and Description of Measu   | rement (Receptor Locatio     | n):                                 |   |                          |
| Receptor 2, on sol  | evalk between                | Highland                            | and ARCO station  |                          |
| Approximate Distance from Recept  | or:                          |                                     |   |                          |
|   |                              |                                     |   |                          |
| Time Measurement Began: Data Stored as Recorded #: Leq: MaxP: MinL: MaxL: SEL: LVN:  Description of meteorological cond | Project 004 R2               | night  dBA  dBA  dBA  dBA  dBA  dBA | L90:<br>L75:<br>L50:<br>L25:<br>L10:  | dBA<br>dBA<br>dBA<br>dBA |
| Description/sources of ambient no   | ise:                         |                                     |   |                          |
| · Traffic along Son Fer   | rando Road                   | · Passing                           | ( train (no horn) @ 030   | 29                       |
| · Pumps at ARCO states<br>· Woman yelling for cat   | ^                            | · Sprinkle                          | is at the house rea   | rest the                 |
| · Woman yelling for cat   | @ 0236                       | Neighborn                           | train (no horn) @ 030<br>rs at the house rea<br>came on @ 0339 and<br>rg sprinklers on @ 0349 | and applied              |
|   |                              | Lla                                 | V 1   |                          |

#### 25-hour Ambient Noise Measurement Pata 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):** 

Start time:

1153

03/23/17

End Time: 1253 03/24/17

|                     |       | 1100 00/20/17  |
|---------------------|-------|--|
| p. 1                | Time: | Description/sources of ambient noise:                              |
|                     | 1153  | Start meter at Receptor 3, 66°F sunny winds a 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 mpk   |
|                     | 1258  | Passenger train goes by  |
|                     | 1326  | Passenger train goes by  |
| 2017                | 1332  | Siren on street  |
| 3, 20               | 1347  | 72° F synny winds ~ 6 mph  |
| Thursday, March 23, | 1411  | passenger frain goes by  |
| Mar                 | 1439  | passenger train does by  |
| Jay,                | 1450  | Street sweepor comes down adjacent street, 73°F sunny winds ~ 5mph |
| Jurse               | 1505  | Passenger train goes by  |
| ⊨                   | 1515  | Passenger train ages by  |
|                     | 1524  | Passenger train goes by  |
|                     | 1230  | 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  | fassenger train goes by  |
|                     | 1612  | Passenger train goes by  |
|                     | 1622  | Passenger train goes by  |
|                     | LV    | Tale social frame social for                                       |

#### 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: |  |
|-------------|-----------|--|
|             |           |  |

| Otal Cillion | Liid Tille.  |
|--------------|--|
| Time:        | Description/sources of ambient noise:  |
| 1632         | Passenger train moes by  |
| 1643         | Passenger train goes by, 70°F sunny ~ 8 mph winds                                    |
| 1704         | Passenger train goes by  |
| 1708         | Pasenger train goes by   |
| 1724         | passender frain ages by  |
| 1734         | Loud motorcycle passes on street   |
| 1754         | Passerger train goes by, 67°F sunny, ~ 7 mph winds                                   |
| 1801         | Passenger train goes by  |
| 1805         | Passenger train open in  |
| 1809         | Passenger train gloss by   |
| 1813         | Passerger train goes by  |
| 1865         | 104°F, no clouds, winds ~ 4mph, passenger train goes by                              |
| 1902         | Passenger train goes by  |
|              | Passenger train goes by  |
|              | Passager train goes by 61°F, dearsty, ~ Smph winds                                   |
|              | Passenger train goes by  |
|              | Vassenger train goes by  |
| 11110        | Rassenger train goes by  |
|              | lassenge train goes by   |
|              | Rassenge train goesby, 57°F, Clearsky, no wind                                       |
|              | Passenger train goes ou  |
| 2140         | Passemaen train goes by  |
| 2157         | Freight train goes by, 56°F, clear sky, no wind                                      |
| 222          | Freight train goes by  |
|              | 1632<br>1643<br>1704<br>1708<br>1724<br>1734<br>1764<br>1801<br>1805<br>1809<br>1813 |

## 25-hour Ambient Noise Measurement Pata Sheet

| Project Nam <sub>€.  </sub> | 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):

| Ti              | me:   | Description/sources of ambient noise:                           |
|-----------------|-------|---|
| (               | 0025  | treight train passes by   |
|                 | 1024- | 0038 Shift change   |
| C               | )1/4  | freight train passes  |
| Ü               | 1135  | 56°F, clear, 15 mph wind  |
|                 | 9146  | freight train   |
| 1               | 0300  | 54°F hazy, I mph wind   |
| L               | 732%  | freight train w/hom   |
| L               | 0417  | 49.8 hazy 1.05 ngh wind   |
|                 | 0528  | Passenger train w/hom   |
| L               | 0558  | Passenger frain w/ horn - 51°F, hazy, o Mph wind                |
| <u>i</u>        | 0637  | Passencer train   |
|                 | 0707  | Passenger train w/horn  |
|                 | 8050  | Parsenger train   |
|                 | 0730  | Passenger train   |
| (107 (17) male) | 0730  | Passenger train w/horn (opposite direction) - 51°P, sunny 0.5 m |
| ┞               | 0736  | Passenger train w/horn  |
|                 | 0744  | Passenger train   |
|                 | 0748  | Passenger train   |
|                 | 6751  | Trash truck backup alarm, dumpeter dump in alley                |
| _               | 0754  | Passenger frain   |
| _               | 0813  | Passenger train withorn - 54°F surring 0.5 mph wind             |
|                 | 84146 | Siren down San Fernando Rd. (to 1)                              |
|                 | 0330  | l'assenger train, sounded horn to S. of recording location.     |
|                 | 0438  | Passenger train   |
|                 | 0439  | Pausencer train w/hpra  |
|                 | 0846  | Passenger train   |
| 0               | 848   | Passenger train whom P9 10f:                                    |

## 25-hour Ambient Noise Measurement Pata 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. Discher / R. Brown / R. Bro

Location and Description of Measurement (Receptor Location):

Receptor 3 - 25 Hr neasurement St corner of medical center parking lot

|                   | Time:  | Description/sources of ambient noise:  |
|-------------------|--------|--|
|                   | 0859   | Passenger train w/horn   |
|                   | 0904   | Passenger train of horn showing passing  |
|                   | Oc. 11 | Passencer train  |
| 9                 | 6917   | Car Stark - Shift Change   |
| 12/2              | 0926   | Passenger train; horn blows in distance  |
| ONTINUED          | 0934   | Passenger train w/ horn  |
| 7                 | 0937   | Possenger train w/ horn.   |
| 3                 | 0941   | Airglane passes overhead   |
| $\circ$           | 0954   | Passenger train w/ horn.   |
|                   | 6157   | Tel Extruct Stops & Starts ename in Immediate vicinity of meter                |
| 2017              | 0959   | Helicopter posses overhead; Passenger train w/ horr. Sunny; 6/0 F; Imple wind. |
| 4, 20             | 600    | Possenger train w/ hem.  |
| Friday, March 24, | 1035)  | Passenger train w/ horn  |
| Mar               | 1055   | Possesser trans / horn. Sunny. 69°F: Imph wind                                 |
| day,              | 1127   | Dossemer train w/horn  |
| F                 | 1132   | PASSENGER train w/ horn.   |
|                   | 1140   | Don't barking in adjacent properties back yard.                                |
| A                 | 1212   | Helicopter passes onerhead: Dogs continue to bark. Sunny: 71°F: Imph wind.     |
| ONTINUED          | 1215   | Passenger train w/ horn  |
| 3                 | 1219   | Passenger train u/ horn.   |
| 27                | 1220   | Passenger train w/ hom.  |
| 0                 | 1252   | Generator for Paving company thans on: Pavers begin Saul-cutting concrete.     |
|                   | 1253   | Complete 25 Hour Noise monitoring  |
|                   |        |  |
|                   |        |  |
|                   |        |  |
|                   |        |  |

pg a of 2

| Project Name:                              | Grayson Power Plant                                  |          |               |                 |       |  |  |
|--|--|----------|---------------|-----------------|-------|--|--|
| Project Number:                            | 2057123300   |          |               |                 |       |  |  |
| Noise Meter Make and Type:                 | Bruell & Kjaer Model 2250                            | )        |               |                 |       |  |  |
| Microphone:                                | Microphone: Bruel & Kjaer 1/2" Free-field Microphone |          |               |                 |       |  |  |
| Acoustical Calibrator:                     | Dr: Bruel & Kjaer Model 4231                         |          |               |                 |       |  |  |
| Date of Measurement:                       | e of Measurement: 3/13/17                            |          |               |                 |       |  |  |
| Stantec Technician:                        | K. PoseKian  |          |               |                 |       |  |  |
| Location and Description of Measu          |  | on):     |               |                 |       |  |  |
| Receptor 4: Fairma                         | nt Ave in Front of                                   | Powerp   | lant gate     |                 |       |  |  |
| Approximate Distance from Recept           | or:  |          |               |                 |       |  |  |
|  |  |          |               | #<br>           |       |  |  |
| Time Measurement Began:                    | 12:17  | 1        | Time Measurem | ent Ended: 1233 |       |  |  |
| Data Stored as Recorded #:                 | 104 R4-day   | re<br>Si | _             |                 |       |  |  |
| Leq:                                       | /  | dBA      | L90:          |                 | dBA   |  |  |
| MaxP:                                      | Marin Barraga 19                                     | dBC      | L75:          |                 | dBA   |  |  |
| MinL:                                      |  | dBA      | L50:          |                 | dBA   |  |  |
| MaxL:                                      |  | dBA      | L25:          |                 | dBA   |  |  |
| SEL:                                       |  | dBA      | L10:          |                 | dBA   |  |  |
| LVN:                                       |  | dBA      |               |                 |       |  |  |
| Description of meteorological cond         | litions (weather, wind, te                           | mperatur | e, etc.):     |                 |       |  |  |
| Sunny; (05'F; Brea                         | 224  |          |               |                 |       |  |  |
| Description/sources of ambient no          |  |          |               |                 |       |  |  |
| Traffic; Hum of<br>in conversation on Phon | ancillary machine<br>e rives by.                     | ery from | 2 Reverplant  | . @ 1230 man o  | n hke |  |  |

| Project Name:                      | Grayson Power Plant         | rayson Power Plant |                |                 |     |
|------------------------------------|-----------------------------|--------------------|----------------|-----------------|-----|
| Project Number:                    | 2057123300                  |                    |                |                 |     |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 2250   | )                  |                |                 |     |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fie | eld Micro          | phone          |                 |     |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231    |                    |                |                 |     |
| Date of Measurement:               | 3/23/17                     |                    |                |                 |     |
| Stantec Technician:                | K. Posekian                 |                    |                |                 |     |
| Location and Description of Measu  |                             |                    |                |                 |     |
| Receptor 4. Fai                    | rmant Ave in from           | t of               | Powerplant     | Gate            |     |
| ·                                  |                             |                    |                |                 |     |
|                                    |                             |                    |                |                 |     |
| Approximate Distance from Recept   | or:                         |                    |                |                 |     |
|                                    |                             |                    |                |                 |     |
|                                    |                             |                    |                |                 |     |
|                                    |                             |                    |                |                 |     |
| Time Measurement Began:            | 1930                        |                    | Time Measureme | ent Ended: 1945 |     |
| Data Stored as Recorded #:         | 012 R4-ev                   | 2                  |                | - ^             |     |
| 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 cond | itions (weather, wind, te   | mperatu            | re, etc.):     |                 |     |
| Dusk; Clear, ~ Co                  | 2-65°T; Light Br            | ee Le              |                |                 |     |
|                                    |                             |                    |                |                 |     |
|                                    |                             |                    |                |                 |     |
| Description/sources of ambient noi | se.                         |                    |                |                 |     |
|                                    |                             | · · · · · ·        | Pen 0          |                 |     |
| Traffic; Low Hum Fr                | rown anchiary mac           | niner.             | NOW JOH        | resplant        |     |
|                                    |                             |                    |                |                 |     |
|                                    |                             |                    |                |                 | - 1 |

| Project Name:   | Grayson Power Plant                                  |           |                      |                |  |  |  |
|---|--|-----------|----------------------|----------------|--|--|--|
| Project Number:   | 2057123300   |           |                      |                |  |  |  |
| Noise Meter Make and Type:  | Type: Bruell & Kjaer Model 2250                      |           |                      |                |  |  |  |
| Microphone:   | Microphone: Bruel & Kjaer 1/2" Free-field Microphone |           |                      |                |  |  |  |
| Acoustical Calibrator:  | stical Calibrator: Bruel & Kjaer Model 4231          |           |                      |                |  |  |  |
| Date of Measurement:  | 200  |           |                      |                |  |  |  |
| Stantec Technician:   | K. Pose Kan  |           |                      |                |  |  |  |
| Location and Description of Measu                                     | rement (Receptor Locati                              | ion):     |                      |                |  |  |  |
| Receptor 4. Fo  | irmont are in f                                      | ront of f | Powerplant gate      |                |  |  |  |
| et e  |  |           |                      |                |  |  |  |
| Approximate Distance from Recept                                      | or:  |           |                      |                |  |  |  |
|   | - 22   |           |                      |                |  |  |  |
|   |  |           |                      |                |  |  |  |
| Time Measurement Began:   | 2310   | Time      | Measurement Ended: Z | 325            |  |  |  |
| Data Stored as Recorded #:  | 018 R4_nigh  | 1         |                      |                |  |  |  |
| Leq:  | O  | dBA       | L90:                 | dBA            |  |  |  |
| MaxP:   |  | dBC       | L75:                 | dBA            |  |  |  |
| MinL:   |  | dBA       | L50:                 | dBA            |  |  |  |
| MaxL:   |  | dBA       | L25:                 | dBA            |  |  |  |
| SEL:  |  | dBA       | L10:                 | dBA            |  |  |  |
| LVN:  |  | dBA       |                      |                |  |  |  |
|   |  |           |                      |                |  |  |  |
| Description of meteorological cond                                    |  |           | c.):                 |                |  |  |  |
| Night; Clear;   | ~55° F; No win                                       | icl       |                      |                |  |  |  |
|   | ,  |           |                      | ,              |  |  |  |
|   |  |           |                      |                |  |  |  |
| Description/sources of ambient noi                                    | se:  |           |                      |                |  |  |  |
| Traffic Hun   | n from Ancillary                                     | Machines  | in Phot, @23         | 516 Helicopter |  |  |  |
| Description/sources of ambient noi<br>Traffice Hun<br>passes overhead |  |           | 1                    |                |  |  |  |

# 15-MIN AMBIENT NOISE MEASUREMENT DATA SHEET Project Name: Grayson Power Plant

Project Number: 2057123300

|  | 2007 125500  |
|--|--|
| ise Meter Make and Type:   | Bruell & Kjaer Model 2250  |
| wicrophone:  | Bruel & Kiaer 1/2" From 6 44   |
|  | Bruel & Kjaer Model 4231   |
| Date of Measurement:   | 3/23/17  |
| Stantec Technician:  | K PoseKian   |
| ation and Description of Measure   | mont /D  |
| Rueptar S: Fairn   | ont Ave,   |
| Approximate Distance from Receptor:  |  |
| Time Measurement Began:  Data Stored as Recorded #:  Leq:  MaxP:  MinL:  MaxL:  SEL:  LVN: | 26   Time Measurement Ended:   142   dBA   dBA |
| Description of meteorological conditions (w  | eather, wind, temperature, etc.)   |
| Siny; 65°F; Breezy;  | , section, etc.):  |
| Description/sources of ambient noise:  |  |
| Disney Blowers Traffic.<br>by in conversation; @ 1137-2                                    | Wen walking by in conversation   |
|  |  |

| Project Name:                      | Grayson Power Plant  |               |                     |              |        |
|------------------------------------|--|---------------|---------------------|--------------|--------|
| Project Number:                    | 2057123300   |               |                     |              |        |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 2250  |               |                     |              |        |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fie  | eld Microphon | е                   |              |        |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231   |               |                     |              |        |
| Date of Measurement:               | 3/23/17  |               |                     |              |        |
| Stantec Technician:                | K. PoseKjan  |               |                     |              |        |
| Location and Description of Measu  | rement (Receptor Locati  | on):          |                     | *            |        |
| Receptor 5: Fair                   | mont Ave   |               |                     |              |        |
|                                    |  |               |                     |              |        |
| Approximate Distance from Recept   | or:  |               |                     |              |        |
|                                    |  |               |                     |              |        |
|                                    |  |               |                     |              |        |
| Time Measurement Began:            | 2019   | Time          | e 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 cond |  | mperature, e  | tc.):               |              | i      |
| Disk; Clear; 6                     | OF FO Wind   |               |                     |              |        |
| 1 /                                |  |               |                     |              |        |
|                                    |  |               |                     |              |        |
| Description/sources of ambient no  | se:  |               |                     |              |        |
| Traffic Hum fram                   | . Disney Blavers;  |               | (2020 train         | n horn in di | Stance |
| Distribiles from Socces            | Geld during SNC  | game          |                     |              |        |
| -0111911-02                        | The state of the s |               |                     |              |        |

| Project Name:                      | Grayson Power Plant        |            |            |                    |     |  |
|------------------------------------|----------------------------|------------|------------|--------------------|-----|--|
| Project Number:                    | 2057123300                 |            |            |                    |     |  |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 225   | 0          |            |                    |     |  |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fi | eld Microp | hone       |                    |     |  |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231   |            |            |                    |     |  |
| Date of Measurement:               | rement: $3/2/17 - 3/24/17$ |            |            |                    |     |  |
| Stantec Technician:                | K Posekian                 |            |            |                    |     |  |
| Location and Description of Measu  |                            |            |            |                    |     |  |
| Receptor 5                         | & Fairmont Ave             | 0          |            |                    |     |  |
|                                    | ž į                        |            |            |                    |     |  |
| Approximate Distance from Recept   | or:                        |            |            | ₹.                 |     |  |
|                                    | *                          |            |            |                    |     |  |
|                                    |                            |            |            |                    |     |  |
| Time Measurement Began:            | 2351                       | 1          | Time Measu | rement Ended: 0006 |     |  |
| Data Stored as Recorded #:         | 020 R5-nia                 | ht         |            |                    |     |  |
| Leq:                               | O                          | dBA        | L          | 90:                | dBA |  |
| MaxP:                              |                            | dBC        | L7         | 75:                | dBA |  |
| MinL:                              |                            | dBA        | L!         | 50:                | dBA |  |
| MaxL:                              |                            | dBA        | L          | 25:                | dBA |  |
| SEL:                               |                            | dBA        | Ľ          | 10:                | dBA |  |
| LVN:                               |                            | dBA        |            |                    |     |  |
|                                    |                            |            |            |                    |     |  |
| Description of meteorological cond | •                          |            | e, etc.):  |                    |     |  |
| Might, Clear                       | 1 "55°F; No                | Wind.      |            |                    |     |  |
|                                    |                            |            |            |                    |     |  |
| <b>D</b>                           | •                          |            |            |                    |     |  |
| Description/sources of ambient no  |                            | O :        |            |                    |     |  |
| Traffic, H                         | um from Disney             | x Blan     | iers       |                    |     |  |
|                                    | ,                          |            |            |                    |     |  |
|                                    |                            |            |            |                    |     |  |

| Project Name:                      | Grayson Power Plant        |                |  |     |  |  |
|------------------------------------|----------------------------|----------------|--|-----|--|--|
| Project Number:                    | 2057123300                 |                |  | _   |  |  |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 2250  | )              |  |     |  |  |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fi | eld Microphone | e  |     |  |  |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231   |                |  |     |  |  |
| Date of Measurement:               | 3/23/19                    |                |  |     |  |  |
| Stantec Technician:                | K'PoseKian                 |                |  |     |  |  |
| Location and Description of Measu  |                            | on):           |  |     |  |  |
| Receptor 6: FI                     | ower Ave                   |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
| Approximate Distance from Recept   | or:                        |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
| Time Measurement Began:            | 1150                       | Time           | Measurement Ended: 120                         | 15  |  |  |
| Data Stored as Recorded #:         | 003 R6-day                 | /              | <u>,                                      </u> |     |  |  |
| Leq:                               | V                          | dBA            | L90:   | dBA |  |  |
| MaxP:                              |                            | dBC            | L75:   | dBA |  |  |
| MinL:                              | <u> </u>                   | dBA            | L50:   | dBA |  |  |
| MaxL:                              |                            | dBA            | L25:   | dBA |  |  |
| SEL:                               |                            | dBA            | L10:   | dBA |  |  |
| LVN:                               |                            | dBA            |  |     |  |  |
|                                    |                            |                |  |     |  |  |
| Description of meteorological cond | litions (weather, wind, te | mperature, et  | c.):   |     |  |  |
| Sunny; 65°F; Bree                  | 24                         |                |  |     |  |  |
|                                    | (                          |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |
| Description/sources of ambient noi | se:                        |                |  |     |  |  |
| Traffic; Humof                     |                            | En Para        | -al 1  | 12  |  |  |
| Trailing (10mm)                    | and a morning              | 1. An Imel     | rlant.   |     |  |  |
|                                    |                            |                |  |     |  |  |
|                                    |                            |                |  |     |  |  |

| Project Name:                      | Grayson Power Plant         |              |                            |        |
|------------------------------------|-----------------------------|--------------|----------------------------|--------|
| Project Number:                    | 2057123300                  |              |                            |        |
| Noise Meter Make and Type:         | Bruell & Kjaer Model 2250   | )            |                            |        |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fie | eld Micropho | ne                         |        |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231    |              | ,                          |        |
| Date of Measurement:               | 3/23/17                     |              |                            |        |
| Stantec Technician:                | K. Posekian                 |              |                            |        |
| Location and Description of Measu  |                             | on):         |                            |        |
| Receptor 6: F                      | laver Ave-                  | -            |                            |        |
| Approximate Distance from Recept   | or:                         |              |                            |        |
|                                    |                             |              |                            |        |
| Time Measurement Began:            | 1955                        | Tin          | ne 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 cond |                             |              | etc.):                     |        |
| Dusky Clear, ~                     | 60-65°F, No wind            | h            |                            |        |
| 1                                  |                             |              |                            |        |
| Description/sources of ambient no  | se:                         |              |                            |        |
|                                    |                             | Hum Fro      | m Ancillary Machinery From | plant. |

| Project Name:                      | Grayson Power Plant  |             |              |                   |       |  |  |
|------------------------------------|--|-------------|--------------|-------------------|-------|--|--|
| Project Number:                    | 2057123300   |             |              |                   |       |  |  |
| Noise Meter Make and Type:         | d Type: Bruell & Kjaer Model 2250  phone: Bruel & Kjaer 1/2" Free-field Microphone |             |              |                   |       |  |  |
| Microphone:                        | Bruel & Kjaer 1/2" Free-fie  | eld Microph | one          |                   |       |  |  |
| Acoustical Calibrator:             | Bruel & Kjaer Model 4231   |             |              |                   |       |  |  |
| Date of Measurement:               | 3/23/17  |             | 5            |                   |       |  |  |
| Stantec Technician:                | K-PoseKion   |             |              |                   |       |  |  |
| Location and Description of Measu  | rement (Receptor Locati  | on):        |              |                   |       |  |  |
| Receptor 10 :                      | Flower Ave -   |             |              |                   |       |  |  |
|                                    |  |             |              |                   |       |  |  |
| Approximate Distance from Recept   | or:  |             |              |                   |       |  |  |
|                                    |  |             |              | · · ·             |       |  |  |
| Time Measurement Began:            |  |             | ime Measurem | ent Ended: 2347   |       |  |  |
| Data Stored as Recorded #:         | 019 Rb-nig   |             | г            |                   |       |  |  |
| Leq:                               | - O  | dBA         | L90:         |                   | dBA   |  |  |
| MaxP:                              |  | dBC         | L75:         |                   | dBA   |  |  |
| MinL:                              |  | dBA         | L50:         |                   | dBA   |  |  |
| MaxL:                              |  | dBA         | L25:         |                   | dBA   |  |  |
| SEL:                               |  | dBA         | L10:         |                   | dBA   |  |  |
| LVN:                               |  | dBA         |              |                   |       |  |  |
|                                    |  |             |              |                   |       |  |  |
| Description of meteorological cond |  |             | e, etc.):    |                   |       |  |  |
| Night (lear                        | , ~55°F; No  | Wind        |              |                   |       |  |  |
| Description/sources of ambient no  | ise:   |             |              |                   |       |  |  |
| Traffic Law                        | Hom Fran Street  | t Light     | @2339        | People Yelling Fr | on Gr |  |  |

| Project Name:                             | Grayson Power Plant                         | Grayson Power Plant     |  |     |  |  |
|---|---|-------------------------|--|-----|--|--|
| Project Number:                           | 2057123300                                  |                         |  |     |  |  |
| Noise Meter Make and Type:                | Bruell & Kjaer Model 2250                   | )                       |  |     |  |  |
| Microphone:                               | Bruel & Kjaer 1/2" Free-fi                  | eld Microphone          | 9  |     |  |  |
| Acoustical Calibrator:                    | Bruel & Kjaer Model 4231                    |                         | 6_   |     |  |  |
| Date of Measurement:                      | 3/23/17                                     |                         |  |     |  |  |
| Stantec Technician:                       | K. Posekjan                                 |                         |  |     |  |  |
| Location and Description of Measu         | rement (Receptor Locati                     | on):                    |  |     |  |  |
| Receptor 7: Zoo                           | Drive near John                             | Ferraro A               | Hyletic Fields                               |     |  |  |
| Approximate Distance from Recept          | or:   |                         |  | 7   |  |  |
|   |   | 881                     |  |     |  |  |
| Time Measurement Began:                   | 12:50                                       | Time                    | Measurement Ended: 1305                      |     |  |  |
| Data Stored as Recorded #:                | 005 R7_day                                  |                         |  |     |  |  |
| Leq:                                      | 1   | dBA                     | L90:   | dBA |  |  |
| MaxP:                                     |   | dBC                     | <b>4</b> 75:                                 | dBA |  |  |
| MinL:                                     |   | dBA                     | L50:   | dBA |  |  |
| MaxL:                                     | 8   | dBA                     | L25:   | dBA |  |  |
| SEL:                                      |   | dBA                     | L10:   | dBA |  |  |
| LVN:                                      |   | dBA                     |  |     |  |  |
|   |   |                         |  |     |  |  |
| Description of meteorological cond        |   | mperature, et           | c.):   | i   |  |  |
| Sunry; 65-70°F;                           | Breezy                                      | *                       |  |     |  |  |
| Description/sources of ambient noi        |   |                         |  |     |  |  |
| Traffic; Birds Ch<br>Hum of ancillary mac | rping; Car Doors e<br>ninery from plant; Co | pening/dos<br>1300 Bike | ing in Park's parking lut;<br>fider goes by. | 1.0 |  |  |

| Project Name:                    | Grayson Power Plant         |               |         |                 |        |
|----------------------------------|-----------------------------|---------------|---------|-----------------|--------|
| Project Number:                  | 2057123300                  | V             |         |                 |        |
| Noise Meter Make and Type:       | Bruell & Kjaer Model 2250   |               |         |                 |        |
| Microphone:                      | Bruel & Kjaer 1/2" Free-fie | ld Microphone |         |                 |        |
| Acoustical Calibrator:           | Bruel & Kjaer Model 4231    |               |         |                 |        |
| Date of Measurement:             | 3/23/17                     |               |         |                 |        |
| Stantec Technician:              | K. Posekian                 | П             |         |                 |        |
| cation and Description of Measu  | rement (Receptor Locati     | on):          |         |                 |        |
| Receptor 7. Joh                  | n Ferraco Athletic          | Fields        | -F      |                 |        |
| pproximate Distance from Recept  | or:                         |               |         |                 |        |
|                                  |                             |               |         | a               |        |
| Time Measurement Began:          | 1901                        | Time Me       | asureme | ent Ended: 1916 |        |
| Data Stored as Recorded #:       | 011 R7-e                    | 12            |         | 8               |        |
| Leq:                             |                             | dBA           | L90:    |                 | dBA    |
| MaxP:                            |                             | dBC           | L75:    |                 | dBA    |
| MinL:                            |                             | dBA           | L50:    |                 | dBA    |
| MaxL:                            |                             | dBA           | L25:    |                 | dBA    |
| SEL:                             |                             | dBA           | L10:    |                 | dBA    |
| LVN:                             |                             | dBA           |         |                 |        |
| ,                                |                             |               |         |                 |        |
| scription of meteorological cond |                             |               |         |                 |        |
| Sunny (sursetting                | 9); (15°F; Light            | Nurd          |         |                 |        |
| scription/sources of ambient no  | se:                         |               |         |                 |        |
| Traffici, laling                 | Cars in immediate           | vicinity;     | Ope     | ening/closino   | 6 deus |
| Chirping Birds; Home             | of ancillary machiner       | I fam plant   |         | ≈ H 540         |        |

| 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:                             | 423/17                                   | 1          |                          |            |  |
| Stantec Technician:                              | K. Posekian                              |            | 4                        |            |  |
| Location and Description of Measu                | rement (Receptor Locati                  | on):       |                          |            |  |
| Receptor 7: John Ferraro Athletic Park: Zoo Dr.  |  |            |                          |            |  |
| Approximate Distance from Recept                 | or:                                      |            |                          |            |  |
|  | 77.11.                                   |            |                          |            |  |
| Time Measurement Began:                          | · · ·                                    |            | ne Measurement Ended: 22 | .5 )       |  |
| Data Stored as Recorded #:                       | 017 R7_ni                                |            |                          |            |  |
| Leq:   |  | dBA        | L90:                     | dBA        |  |
| MaxP:  |  | dBC        | L75:                     | dBA        |  |
| MinL:  |  | dBA        | L50:                     | dBA        |  |
| MaxL:<br>SEL:                                    |  | dBA<br>dBA | L25:                     | dBA<br>dBA |  |
| SEL:<br>LVN:                                     |  | dBA        | L10:                     | UBA        |  |
| LVN.   |  | UDA        |                          |            |  |
| Description of meteorological cond               | itions (weather wind te                  | mperature  | etc.):                   |            |  |
| Night; Clear; ~5                                 | •  | mporataro, | otorj.                   |            |  |
| Description/sources of ambient noise:            |  |            |                          |            |  |
| W land music Parks next<br>Traffic; Starting Car | to meter;                                | ts, 6      | 2243 Car leaves          | @ 2249 Car |  |

| 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:  | 5. Robert                                |         |                |                |     |
| Location and Description of Measu  | rement (Receptor Locati                  | on):    |                |                |     |
| Cooling towers (50' from corner Junit)   |  |         |                |                |     |
| Approximate Distance from Recept   | or:                                      |         |                |                |     |
| within the power   | plant                                    |         |                |                |     |
| Time Measurement Began:  | 15:01:44                                 | Ţį      | me Measurement | Ended: 15:16:4 | 14  |
| Data Stored as Recorded #:   | 007 cooling                              | tower.s | -at-50ff       |                |     |
| Leq:   | )<br>                                    | dBA     | L90:           |                | dBA |
| MaxP:  |  | dBC     | L75:           |                | dBA |
| MinL:  |  | dBA     | L50:           |                | dBA |
| MaxL:  |  | dBA     | L25:           | to the second  | 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:  |  |         |                |                |     |
| Swater of cooling tower & 15:10 help copter flow over head shigh pitch hum & requipment                |  |         |                |                |     |

| Project Name:  | Grayson Power Plant         |                |                  |           |     |
|--|-----------------------------|----------------|------------------|-----------|-----|
| Project Number:  | 2057123300                  |                |                  |           |     |
| Noise Meter Make and Type:   | Bruell & Kjaer Model 2250   |                |                  |           |     |
| Microphone:  | Bruel & Kjaer 1/2" Free-fie | eld Microphone | V.               |           |     |
| Acoustical Calibrator:   | Bruel & Kjaer Model 4231    |                |                  |           |     |
| Date of Measurement:   | 03.23.17                    |                |                  |           |     |
| Stantec Technician:  | 5 Roberts                   |                |                  |           |     |
| Location and Description of Measu  | rement (Receptor Locati     | on):           |                  |           |     |
| middle of cooling tower (3) of (50 from tower)                               |                             |                |                  |           |     |
| Approximate Distance from Recept   | or:                         |                |                  |           |     |
| within the powery  | plant                       |                |                  |           | Э   |
| Time Measurement Began:  | 15:20:52                    | Time           | Measurement Ende | ed: 15:35 | :52 |
| Data Stored as Recorded #:   | 008 Cooling to              | wer 5@50f      | +2               |           |     |
| 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, TIF torce   | In want                     | :              | K                |           |     |
| Description/sources of ambient noise:  |                             |                |                  |           |     |
| water from cooling.  | Lower                       |                |                  |           |     |

| Project Name:  | Grayson Power Plant         |              |               |                |     |
|--|-----------------------------|--------------|---------------|----------------|-----|
| Project Number:  | 2057123300                  |              |               |                |     |
| Noise Meter Make and Type:   | Bruell & Kjaer Model 2250   |              |               |                |     |
| Microphone:  | Bruel & Kjaer 1/2" Free-fie | ld Microphor | ne            |                |     |
| Acoustical Calibrator:   | Bruel & Kjaer Model 4231    |              |               |                |     |
| Date of Measurement:   | 03.23.17                    |              |               |                |     |
| Stantec Technician:  | 5 Roberts                   |              |               |                |     |
| Location and Description of Measu  | rement (Receptor Locati     | on):         |               |                |     |
| oil pump   | 50' france                  | nter         |               |                |     |
|  |                             |              |               |                |     |
| Approximate Distance from Recept   | or:                         |              |               |                |     |
| within the Power   | Plant                       |              |               |                |     |
|  |                             |              |               |                |     |
|  |                             |              |               |                |     |
| Time Measurement Began:  | 15:41:33                    | Tim          | e Measurement | Ended: 15:56:3 | 3   |
| Data Stored as Recorded #:   | 009 oil-pu                  | np 9         | -             |                |     |
| Leq:   |                             | dBA          | L90:          |                | dBA |
| MaxP:  |                             | dBC          | L75:          |                | dBA |
| MinL:  |                             | dBA          | L50:          |                | dBA |
| MaxL:  | ж.                          | dBA          | L25:          |                | dBA |
| SEL:   |                             | dBA          | L10:          |                | dBA |
| LVN:   |                             | dBA          | 72            |                |     |
| 2  |                             |              |               |                |     |
| Description of meteorological con-   |                             |              |               |                |     |
| Sunny 70% breezyy (ssw (emph)  |                             |              |               |                |     |
| Description/sources of ambient noise:  |                             |              |               |                |     |
| Squeeker belt on equipment; ratteling of walk ways and fance Q 1551 compatible considered on; generator rynder conopy; |                             |              |               |                |     |

| Project Name:  | Grayson Power Plant         |                |                            |          |  |
|--|-----------------------------|----------------|----------------------------|----------|--|
| Project Number:                                      | 2057123300                  |                |                            |          |  |
| Noise Meter Make and Type:                           |                             |                |                            |          |  |
| Microphone:  | Bruel & Kjaer 1/2" Free-fie | eld Microphone | )                          |          |  |
| Acoustical Calibrator:                               | Bruel & Kjaer Model 4231    |                |                            |          |  |
| Date of Measurement:                                 | 03 23 16                    |                |                            |          |  |
| Stantec Technician:                                  | S Roberts                   |                |                            |          |  |
| Location and Description of Measu                    | -3 8                        | on):           |                            |          |  |
| Turbine deck 1                                       |                             |                |                            |          |  |
|  |                             | 7              |                            |          |  |
|  |                             | (              | T. Deck 1-5 in op-         | eration) |  |
| Approximate Distance from Recept                     |                             |                |                            |          |  |
| 50' within power f                                   | lant                        |                |                            |          |  |
|  |                             |                |                            |          |  |
|  |                             |                |                            |          |  |
| Time Measurement Began:                              | 16:03:52                    | Time           | Measurement Ended: / 6 1/8 | :52      |  |
| Data Stored as Recorded #:                           | 010 turbine-                | deck_1-@-5     | 50++                       |          |  |
| 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 cond                   | ditions (weather, wind, te  | emperature, et | tc.):                      |          |  |
| Shann 7605 1   |                             | A              |                            |          |  |
| Sunny, 70°F b  | reezy sou e                 | remph          |                            |          |  |
|  |                             |                |                            | -        |  |
| Description/sources of ambient noise:                |                             |                |                            |          |  |
|  |                             |                |                            |          |  |
| train@ 1605 tideck 1-5 in operation during recording |                             |                |                            |          |  |
| truck pass by @1609 and 1610                         |                             |                |                            |          |  |
| -trans () 1/0 · 17                                   |                             |                |                            |          |  |