





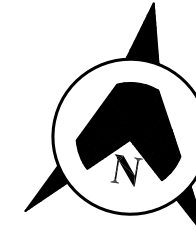
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## Attachment D

### Land Use Information

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SEE SCHEDULE 18



MUNICIPALITY OF WEST GREY

# ZONING SCHEDULE 19D



By-Law Number \_\_\_\_\_

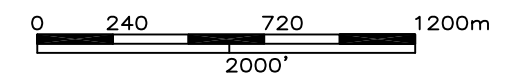
Date Passed \_\_\_\_\_

Mayor \_\_\_\_\_

Clerk \_\_\_\_\_

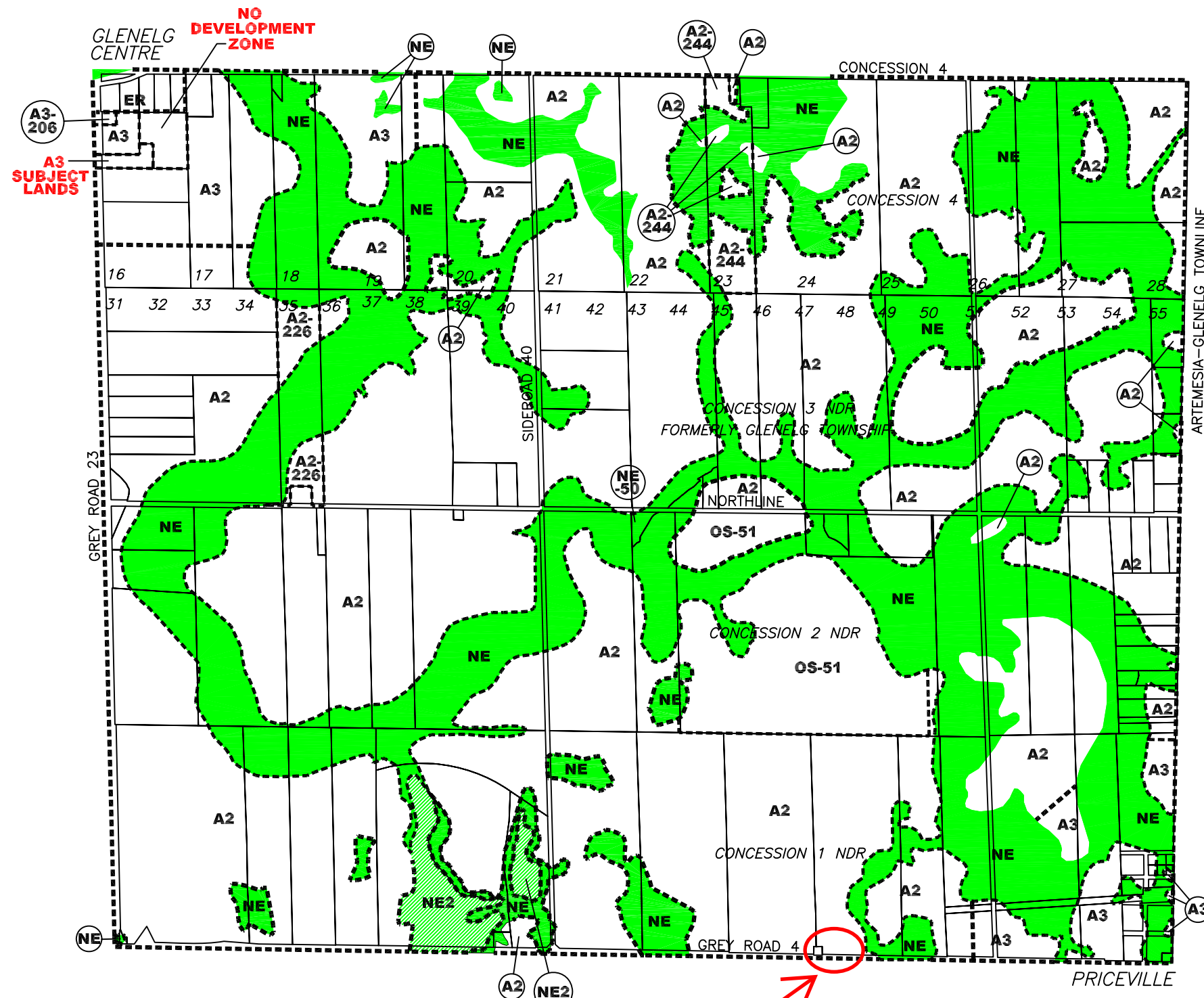
## ZONES

- A1** Agricultural
- A2** Rural
- A3** Restricted Rural
- R1A** Unserviced Residential
- R1B** Residential
- R2** Residential
- R3** Residential
- ER** Estate Residential
- MH** Mobile Home Park
- C1** General Commercial
- C2** Highway Commercial
- C3** Neighbourhood Commercial
- C4** Space Extensive Commercial
- C5** Hamlet Commercial
- C6** Rural Commercial
- MU1** Mixed Use
- M1** Industrial
- M2** Restricted Industrial
- M3** Rural Industrial
- M4** Extractive Industrial
- I** Institutional
- OS** Open Space
- FD** Future Development
- NE** Natural Environment
- NE2** Natural Environment 2
- FL** Flood Way
-  Flood Fringe Overlay
-  Regional Storm Floodline
-  Regulation Limit
- 1** Zone Exception



JUNE 2008 - 11X17 - GREY COUNTY PLANNING

Figure C1 - Zoning Map



Approximate Site Location

SEE SCHEDULE 30

SEE SCHEDULE 20

MUNICIPALITY OF GREY HIGHLANDS

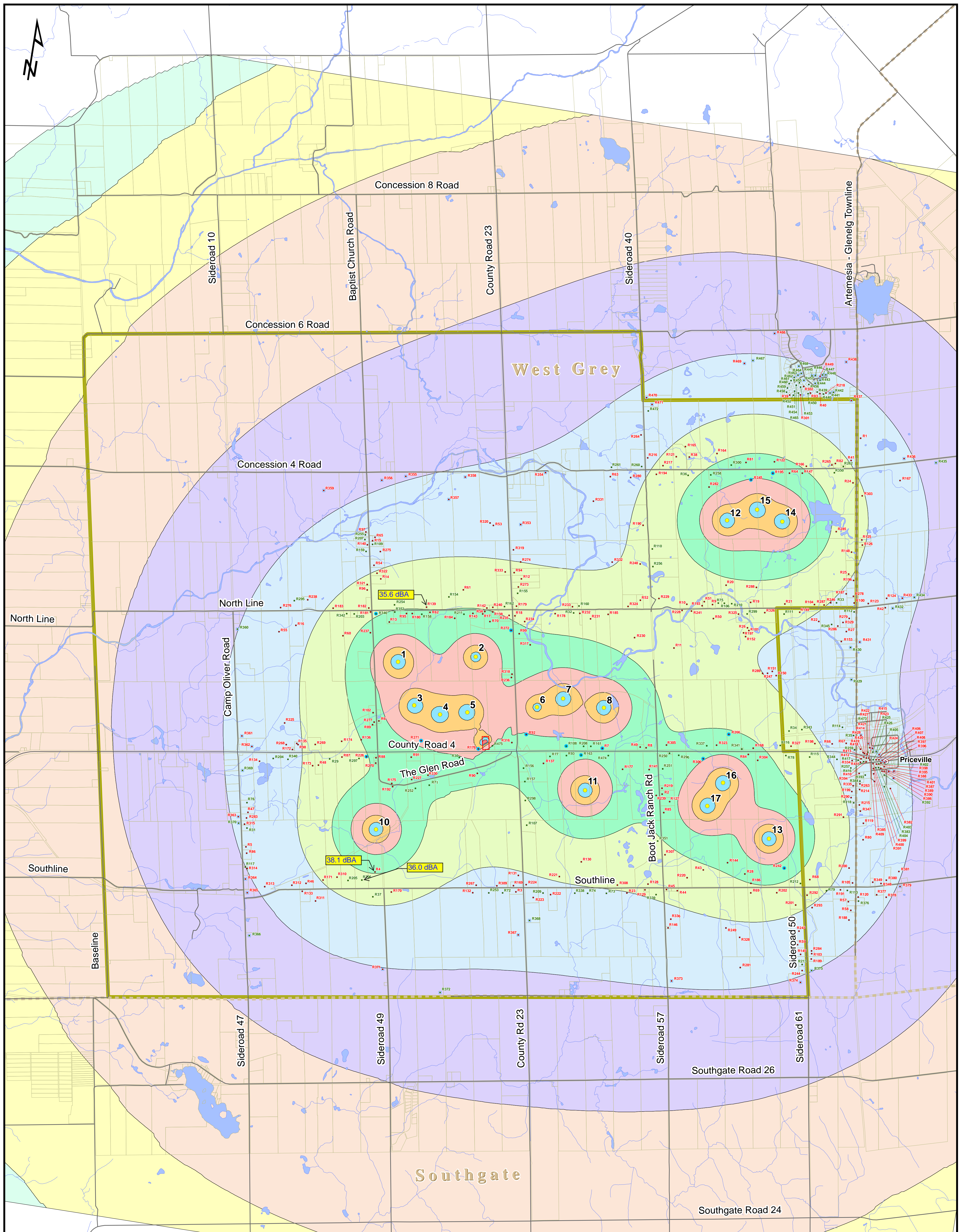
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Attachment E



Noise Contour Drawing

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|  |                       |
|--|-----------------------|
| • Vacant Lot Receptor                      | Hourly Sound Exposure |
| • Receptor                                 | 5 - 10 dBA            |
| □ Receptor beyond 2 km of any Wind Turbine | 10 - 15 dBA           |
| • Participating Receptor                   | 15 - 20 dBA           |
| • Proposed Wind Turbine (Sept 12, 2012)    | 20 - 25 dBA           |
| ⊙ Town / Village                           | 25 - 30 dBA           |
| — Roadway                                  | 30 - 35 dBA           |
| □ Proposed Substation                      | 35 - 40 dBA           |
| □ Parcel                                   | 40 - 45 dBA           |
| □ Municipal Lower Tier                     | 45 - 50 dBA           |
| □ Project Boundary                         | 50 - 55 dBA           |
|  | 55 - 60 dBA           |

Scale: 0 0.5 1 2 km  
 1:25,000

Project: **EAST DURHAM WIND ENERGY CENTRE**

Title: **East Durham Noise Analysis**

|                              |                     |
|------------------------------|---------------------|
| Project No.: MA-111-15446-MA | Date: November 2013 |
| Revision No.: 4              | Figure No.: 1       |



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Attachment F

Sample Calculations

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| Configuration                       |   |
|-------------------------------------|---|
| Parameter                           | Value   |
| General                             |   |
| Country                             | (user defined)  |
| Max. Error (dB)                     | 0.00  |
| Max. Search Radius (m)              | 10000.00  |
| Min. Dist Src to Rcvr               | 0.00  |
| Partition                           |   |
| Raster Factor                       | 0.50  |
| Max. Length of Section (m)          | 1000.00   |
| Min. Length of Section (m)          | 1.00  |
| Min. Length of Section (%)          | 0.00  |
| Proj. Line Sources                  | On  |
| Proj. Area Sources                  | On  |
| Ref. Time                           |   |
| Reference Time Day (min)            | 960.00  |
| Reference Time Night (min)          | 480.00  |
| Daytime Penalty (dB)                | 0.00  |
| Recr. Time Penalty (dB)             | 0.00  |
| Night-time Penalty (dB)             | 0.00  |
| DTM                                 |   |
| Standard Height (m)                 | 0.00  |
| Model of Terrain                    | Triangulation   |
| Reflection                          |   |
| max. Order of Reflection            | 2   |
| Search Radius Src                   | 100.00  |
| Search Radius Rcvr                  | 100.00  |
| Max. Distance Source - Rcvr         | 1000.00 1000.00   |
| Min. Distance Rvcr - Reflector      | 1.00 1.00   |
| Min. Distance Source - Reflector    | 0.10  |
| Industrial (ISO 9613)               |   |
| Lateral Diffraction                 | some Obj  |
| Obst. within Area Src do not shield | On  |
| Screening                           | Excl. Ground Att. over Barrier<br>Dz with limit (20/25) |
| Barrier Coefficients C1,2,3         | 1.0 0.0 0.0   |
| Temperature (°C)                    | 10  |
| rel. Humidity (%)                   | 70  |
| Ground Absorption G                 | 0.70  |
| Wind Speed for Dir. (m/s)           | 3.0   |
| Roads (???)                         |   |
| Railways (???)                      |   |
| Aircraft (???)                      |   |
| Strictly acc. to AzB                |   |



Receiver  
 Name: EDU711  
 ID: 475  
 X: 524253.15  
 Y: 4893753.30  
 Z: 457.81

| Point Source, ISO 9613, Name: "T1", ID: "T1" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 522697.00 | 4894753.00 | 520.00 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 76.3 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 0.1    | 0.1    |
| 2  | 522697.00 | 4894753.00 | 520.00 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 76.3 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.4   | 10.4   |
| 3  | 522697.00 | 4894753.00 | 520.00 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 76.3 | 0.8   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 12.8   | 12.8   |
| 4  | 522697.00 | 4894753.00 | 520.00 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 76.3 | 1.9   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 17.2   | 17.2   |
| 5  | 522697.00 | 4894753.00 | 520.00 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 76.3 | 3.6   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 18.0   | 18.0   |
| 6  | 522697.00 | 4894753.00 | 520.00 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 76.3 | 6.8   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 15.6   | 15.6   |
| 7  | 522697.00 | 4894753.00 | 520.00 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 76.3 | 17.9  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 1.8    | 1.8    |
| 8  | 522697.00 | 4894753.00 | 520.00 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 76.3 | 60.6  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -48.2  | -48.2  |
| 9  | 522697.00 | 4894753.00 | 520.00 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 76.3 | 216.3 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -222.7 | -222.7 |

| Point Source, ISO 9613, Name: "T2", ID: "T2" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 523810.00 | 4895004.00 | 524.73 | 0     | 32    | 70.6  | 70.6  | 0.0  | 0.0  | 73.5 | 0.0   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 0.1    | 0.1    |
| 2  | 523810.00 | 4895004.00 | 524.73 | 0     | 63    | 81.4  | 81.4  | 0.0  | 0.0  | 73.5 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.8   | 10.8   |
| 3  | 523810.00 | 4895004.00 | 524.73 | 0     | 125   | 89.4  | 89.4  | 0.0  | 0.0  | 73.5 | 0.6   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.6   | 13.6   |
| 4  | 523810.00 | 4895004.00 | 524.73 | 0     | 250   | 93.7  | 93.7  | 0.0  | 0.0  | 73.5 | 1.4   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 18.8   | 18.8   |
| 5  | 523810.00 | 4895004.00 | 524.73 | 0     | 500   | 95.6  | 95.6  | 0.0  | 0.0  | 73.5 | 2.6   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 20.5   | 20.5   |
| 6  | 523810.00 | 4895004.00 | 524.73 | 0     | 1000  | 95.6  | 95.6  | 0.0  | 0.0  | 73.5 | 4.9   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 18.2   | 18.2   |
| 7  | 523810.00 | 4895004.00 | 524.73 | 0     | 2000  | 92.1  | 92.1  | 0.0  | 0.0  | 73.5 | 12.8  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.7    | 6.7    |
| 8  | 523810.00 | 4895004.00 | 524.73 | 0     | 4000  | 85.3  | 85.3  | 0.0  | 0.0  | 73.5 | 43.5  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -30.8  | -30.8  |
| 9  | 523810.00 | 4895004.00 | 524.73 | 0     | 8000  | 66.5  | 66.5  | 0.0  | 0.0  | 73.5 | 155.3 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -161.4 | -161.4 |

| Point Source, ISO 9613, Name: "T3", ID: "T3" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 523031.00 | 4894158.00 | 532.82 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 73.2 | 0.0   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.3    | 3.3    |
| 2  | 523031.00 | 4894158.00 | 532.82 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 73.2 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.6   | 13.6   |
| 3  | 523031.00 | 4894158.00 | 532.82 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 73.2 | 0.5   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.2   | 16.2   |
| 4  | 523031.00 | 4894158.00 | 532.82 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 73.2 | 1.4   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 20.9   | 20.9   |
| 5  | 523031.00 | 4894158.00 | 532.82 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 73.2 | 2.5   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 22.2   | 22.2   |
| 6  | 523031.00 | 4894158.00 | 532.82 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 73.2 | 4.7   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 20.8   | 20.8   |
| 7  | 523031.00 | 4894158.00 | 532.82 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 73.2 | 12.5  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.3   | 10.3   |
| 8  | 523031.00 | 4894158.00 | 532.82 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 73.2 | 42.3  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -26.7  | -26.7  |
| 9  | 523031.00 | 4894158.00 | 532.82 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 73.2 | 150.7 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -153.9 | -153.9 |

| Point Source, ISO 9613, Name: "T4", ID: "T4" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 523425.00 | 4894086.00 | 540.02 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 70.0 | 0.0   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.4    | 6.4    |
| 2  | 523425.00 | 4894086.00 | 540.02 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 70.0 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.8   | 16.8   |
| 3  | 523425.00 | 4894086.00 | 540.02 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 70.0 | 0.4   | 1.7  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 19.6   | 19.6   |
| 4  | 523425.00 | 4894086.00 | 540.02 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 70.0 | 0.9   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 24.4   | 24.4   |
| 5  | 523425.00 | 4894086.00 | 540.02 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 70.0 | 1.7   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 26.1   | 26.1   |
| 6  | 523425.00 | 4894086.00 | 540.02 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 70.0 | 3.3   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 25.4   | 25.4   |
| 7  | 523425.00 | 4894086.00 | 540.02 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 70.0 | 8.7   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 17.3   | 17.3   |
| 8  | 523425.00 | 4894086.00 | 540.02 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 70.0 | 29.4  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -10.6  | -10.6  |
| 9  | 523425.00 | 4894086.00 | 540.02 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 70.0 | 104.8 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -104.8 | -104.8 |

| Point Source, ISO 9613, Name: "T5", ID: "T5" |           |            |        |       |       |       |       |      |      |      |      |      |      |       |      |      |      |       |       |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|------|------|------|-------|------|------|------|-------|-------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT   | LrN   |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A) | dB(A) |
| 1  | 523815.00 | 4894179.00 | 524.81 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 66.8 | 0.0  | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 9.7   | 9.7   |

| Point Source, ISO 9613, Name: "T5", ID: "T5" |           |            |        |       |       |       |       |      |      |      |      |      |      |       |      |      |      |       |       |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|------|------|------|-------|------|------|------|-------|-------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT   | LrN   |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A) | dB(A) |
| 2  | 523815.00 | 4894179.00 | 524.81 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 66.8 | 0.1  | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 20.2  | 20.2  |
| 3  | 523815.00 | 4894179.00 | 524.81 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 66.8 | 0.3  | 1.6  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 23.1  | 23.1  |
| 4  | 523815.00 | 4894179.00 | 524.81 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 66.8 | 0.6  | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 28.0  | 28.0  |
| 5  | 523815.00 | 4894179.00 | 524.81 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 66.8 | 1.2  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 29.9  | 29.9  |
| 6  | 523815.00 | 4894179.00 | 524.81 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 66.8 | 2.3  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 29.7  | 29.7  |
| 7  | 523815.00 | 4894179.00 | 524.81 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 66.8 | 5.9  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 23.3  | 23.3  |
| 8  | 523815.00 | 4894179.00 | 524.81 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 66.8 | 20.1 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 1.9   | 1.9   |
| 9  | 523815.00 | 4894179.00 | 524.81 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 66.8 | 71.8 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -68.6 | -68.6 |

| Point Source, ISO 9613, Name: "T6", ID: "T6" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 524812.00 | 4894414.00 | 528.53 | 0     | 32    | 69.8  | 69.8  | 0.0  | 0.0  | 69.8 | 0.0   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.0    | 3.0    |
| 2  | 524812.00 | 4894414.00 | 528.53 | 0     | 63    | 80.5  | 80.5  | 0.0  | 0.0  | 69.8 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.6   | 13.6   |
| 3  | 524812.00 | 4894414.00 | 528.53 | 0     | 125   | 88.4  | 88.4  | 0.0  | 0.0  | 69.8 | 0.4   | 1.7  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.6   | 16.6   |
| 4  | 524812.00 | 4894414.00 | 528.53 | 0     | 250   | 92.7  | 92.7  | 0.0  | 0.0  | 69.8 | 0.9   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 21.9   | 21.9   |
| 5  | 524812.00 | 4894414.00 | 528.53 | 0     | 500   | 94.7  | 94.7  | 0.0  | 0.0  | 69.8 | 1.7   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 24.2   | 24.2   |
| 6  | 524812.00 | 4894414.00 | 528.53 | 0     | 1000  | 94.5  | 94.5  | 0.0  | 0.0  | 69.8 | 3.2   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 22.4   | 22.4   |
| 7  | 524812.00 | 4894414.00 | 528.53 | 0     | 2000  | 90.8  | 90.8  | 0.0  | 0.0  | 69.8 | 8.4   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.5   | 13.5   |
| 8  | 524812.00 | 4894414.00 | 528.53 | 0     | 4000  | 84.0  | 84.0  | 0.0  | 0.0  | 69.8 | 28.4  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -13.3  | -13.3  |
| 9  | 524812.00 | 4894414.00 | 528.53 | 0     | 8000  | 65.2  | 65.2  | 0.0  | 0.0  | 69.8 | 101.5 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -105.1 | -105.1 |

| Point Source, ISO 9613, Name: "T7", ID: "T7" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 525170.00 | 4894597.00 | 534.40 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 72.9 | 0.0   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.5    | 3.5    |
| 2  | 525170.00 | 4894597.00 | 534.40 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 72.9 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.9   | 13.9   |
| 3  | 525170.00 | 4894597.00 | 534.40 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 72.9 | 0.5   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.5   | 16.5   |
| 4  | 525170.00 | 4894597.00 | 534.40 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 72.9 | 1.3   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 21.2   | 21.2   |
| 5  | 525170.00 | 4894597.00 | 534.40 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 72.9 | 2.4   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 22.6   | 22.6   |
| 6  | 525170.00 | 4894597.00 | 534.40 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 72.9 | 4.6   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 21.2   | 21.2   |
| 7  | 525170.00 | 4894597.00 | 534.40 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 72.9 | 12.1  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 11.0   | 11.0   |
| 8  | 525170.00 | 4894597.00 | 534.40 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 72.9 | 40.9  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -25.0  | -25.0  |
| 9  | 525170.00 | 4894597.00 | 534.40 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 72.9 | 145.9 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -148.8 | -148.8 |

| Point Source, ISO 9613, Name: "T8", ID: "T8" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 525783.00 | 4894560.00 | 544.91 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 75.8 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 0.7    | 0.7    |
| 2  | 525783.00 | 4894560.00 | 544.91 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 75.8 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 11.0   | 11.0   |
| 3  | 525783.00 | 4894560.00 | 544.91 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 75.8 | 0.7   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.4   | 13.4   |
| 4  | 525783.00 | 4894560.00 | 544.91 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 75.8 | 1.8   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 17.9   | 17.9   |
| 5  | 525783.00 | 4894560.00 | 544.91 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 75.8 | 3.3   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 18.8   | 18.8   |
| 6  | 525783.00 | 4894560.00 | 544.91 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 75.8 | 6.3   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.6   | 16.6   |
| 7  | 525783.00 | 4894560.00 | 544.91 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 75.8 | 16.7  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.5    | 3.5    |
| 8  | 525783.00 | 4894560.00 | 544.91 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 75.8 | 56.8  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -43.7  | -43.7  |
| 9  | 525783.00 | 4894560.00 | 544.91 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 75.8 | 202.4 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -208.2 | -208.2 |

| Point Source, ISO 9613, Name: "T10", ID: "T10" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 522761.00 | 4892274.00 | 525.71 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 77.5 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -1.0   | -1.0   |
| 2  | 522761.00 | 4892274.00 | 525.71 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 77.5 | 0.3   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 9.3    | 9.3    |
| 3  | 522761.00 | 4892274.00 | 525.71 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 77.5 | 0.9   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 11.6   | 11.6   |
| 4  | 522761.00 | 4892274.00 | 525.71 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 77.5 | 2.2   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 15.8   | 15.8   |
| 5  | 522761.00 | 4892274.00 | 525.71 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 77.5 | 4.0   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 16.4   | 16.4   |
| 6  | 522761.00 | 4892274.00 | 525.71 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 77.5 | 7.7   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 13.6   | 13.6   |
| 7  | 522761.00 | 4892274.00 | 525.71 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 77.5 | 20.3  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -1.8   | -1.8   |
| 8  | 522761.00 | 4892274.00 | 525.71 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 77.5 | 68.9  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -57.5  | -57.5  |
| 9  | 522761.00 | 4892274.00 | 525.71 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 77.5 | 245.7 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -253.2 | -253.2 |

| Point Source, ISO 9613, Name: "T11", ID: "T11" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 525698.00 | 4893320.00 | 544.00 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 74.6 | 0.1   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 1.9    | 1.9    |
| 2  | 525698.00 | 4893320.00 | 544.00 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 74.6 | 0.2   | -3.0 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 12.2   | 12.2   |
| 3  | 525698.00 | 4893320.00 | 544.00 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 74.6 | 0.6   | 1.8  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 14.7   | 14.7   |
| 4  | 525698.00 | 4893320.00 | 544.00 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 74.6 | 1.6   | 0.1  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 19.3   | 19.3   |
| 5  | 525698.00 | 4893320.00 | 544.00 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 74.6 | 2.9   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 20.4   | 20.4   |
| 6  | 525698.00 | 4893320.00 | 544.00 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 74.6 | 5.5   | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 18.6   | 18.6   |
| 7  | 525698.00 | 4893320.00 | 544.00 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 74.6 | 14.6  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.8    | 6.8    |
| 8  | 525698.00 | 4893320.00 | 544.00 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 74.6 | 49.5  | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -35.3  | -35.3  |
| 9  | 525698.00 | 4893320.00 | 544.00 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 74.6 | 176.6 | -0.9 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -181.2 | -181.2 |

| Point Source, ISO 9613, Name: "T12", ID: "T12" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 527137.00 | 4897555.00 | 542.34 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 84.6 | 0.2   | -4.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -6.8   | -6.8   |
| 2  | 527137.00 | 4897555.00 | 542.34 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 84.6 | 0.6   | -4.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.3    | 3.3    |
| 3  | 527137.00 | 4897555.00 | 542.34 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 84.6 | 2.0   | 1.4  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.8    | 3.8    |
| 4  | 527137.00 | 4897555.00 | 542.34 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 84.6 | 5.0   | -0.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.3    | 6.3    |
| 5  | 527137.00 | 4897555.00 | 542.34 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 84.6 | 9.2   | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 4.5    | 4.5    |
| 6  | 527137.00 | 4897555.00 | 542.34 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 84.6 | 17.5  | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -2.9   | -2.9   |
| 7  | 527137.00 | 4897555.00 | 542.34 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 84.6 | 46.1  | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -34.3  | -34.3  |
| 8  | 527137.00 | 4897555.00 | 542.34 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 84.6 | 156.4 | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -151.8 | -151.8 |
| 9  | 527137.00 | 4897555.00 | 542.34 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 84.6 | 557.8 | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -572.0 | -572.0 |

| Point Source, ISO 9613, Name: "T13", ID: "T13" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 528474.00 | 4893041.00 | 560.00 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 83.6 | 0.1   | -4.2 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -6.0   | -6.0   |
| 2  | 528474.00 | 4893041.00 | 560.00 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 83.6 | 0.5   | -4.2 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 4.1    | 4.1    |
| 3  | 528474.00 | 4893041.00 | 560.00 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 83.6 | 1.8   | 1.4  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 4.9    | 4.9    |
| 4  | 528474.00 | 4893041.00 | 560.00 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 83.6 | 4.5   | -0.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 7.7    | 7.7    |
| 5  | 528474.00 | 4893041.00 | 560.00 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 83.6 | 8.3   | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.4    | 6.4    |
| 6  | 528474.00 | 4893041.00 | 560.00 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 83.6 | 15.7  | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -0.2   | -0.2   |
| 7  | 528474.00 | 4893041.00 | 560.00 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 83.6 | 41.4  | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -28.6  | -28.6  |
| 8  | 528474.00 | 4893041.00 | 560.00 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 83.6 | 140.3 | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -134.8 | -134.8 |
| 9  | 528474.00 | 4893041.00 | 560.00 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 83.6 | 500.5 | -1.3 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -513.7 | -513.7 |

| Point Source, ISO 9613, Name: "T14", ID: "T14" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 527940.00 | 4897664.00 | 539.88 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 85.6 | 0.2   | -4.6 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -7.7   | -7.7   |
| 2  | 527940.00 | 4897664.00 | 539.88 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 85.6 | 0.7   | -4.6 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 2.3    | 2.3    |
| 3  | 527940.00 | 4897664.00 | 539.88 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 85.6 | 2.2   | 1.3  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 2.6    | 2.6    |
| 4  | 527940.00 | 4897664.00 | 539.88 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 85.6 | 5.6   | -0.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 4.7    | 4.7    |
| 5  | 527940.00 | 4897664.00 | 539.88 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 85.6 | 10.4  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 2.4    | 2.4    |
| 6  | 527940.00 | 4897664.00 | 539.88 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 85.6 | 19.7  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -6.1   | -6.1   |
| 7  | 527940.00 | 4897664.00 | 539.88 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 85.6 | 51.9  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -41.1  | -41.1  |
| 8  | 527940.00 | 4897664.00 | 539.88 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 85.6 | 176.2 | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -172.5 | -172.5 |
| 9  | 527940.00 | 4897664.00 | 539.88 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 85.6 | 628.3 | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -643.4 | -643.4 |

| Point Source, ISO 9613, Name: "T15", ID: "T15" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 527547.00 | 4897779.00 | 544.61 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 85.3 | 0.2   | -4.5 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -7.5   | -7.5   |
| 2  | 527547.00 | 4897779.00 | 544.61 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 85.3 | 0.6   | -4.5 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 2.6    | 2.6    |
| 3  | 527547.00 | 4897779.00 | 544.61 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 85.3 | 2.1   | 1.3  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 2.9    | 2.9    |
| 4  | 527547.00 | 4897779.00 | 544.61 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 85.3 | 5.4   | -0.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 5.1    | 5.1    |
| 5  | 527547.00 | 4897779.00 | 544.61 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 85.3 | 10.0  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 3.0    | 3.0    |
| 6  | 527547.00 | 4897779.00 | 544.61 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 85.3 | 19.0  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -5.2   | -5.2   |
| 7  | 527547.00 | 4897779.00 | 544.61 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 85.3 | 50.3  | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -39.1  | -39.1  |
| 8  | 527547.00 | 4897779.00 | 544.61 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 85.3 | 170.5 | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -166.5 | -166.5 |
| 9  | 527547.00 | 4897779.00 | 544.61 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 85.3 | 608.0 | -1.4 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -622.9 | -622.9 |

| Point Source, ISO 9613, Name: "T16", ID: "T16" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 527680.00 | 4893745.00 | 555.03 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 81.7 | 0.1   | -3.8 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -4.5   | -4.5   |
| 2  | 527680.00 | 4893745.00 | 555.03 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 81.7 | 0.4   | -3.8 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 5.7    | 5.7    |
| 3  | 527680.00 | 4893745.00 | 555.03 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 81.7 | 1.4   | 1.6  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 7.0    | 7.0    |
| 4  | 527680.00 | 4893745.00 | 555.03 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 81.7 | 3.6   | -0.2 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.4   | 10.4   |
| 5  | 527680.00 | 4893745.00 | 555.03 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 81.7 | 6.6   | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 9.8    | 9.8    |
| 6  | 527680.00 | 4893745.00 | 555.03 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 81.7 | 12.5  | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 4.7    | 4.7    |
| 7  | 527680.00 | 4893745.00 | 555.03 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 81.7 | 33.1  | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -18.6  | -18.6  |
| 8  | 527680.00 | 4893745.00 | 555.03 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 81.7 | 112.3 | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -105.0 | -105.0 |
| 9  | 527680.00 | 4893745.00 | 555.03 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 81.7 | 400.7 | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -412.2 | -412.2 |

| Point Source, ISO 9613, Name: "T17", ID: "T17" |           |            |        |       |       |       |       |      |      |      |       |      |      |       |      |      |      |        |        |
|--|-----------|------------|--------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|------|------|------|--------|--------|
| Nr.  | X         | Y          | Z      | Refl. | Freq. | LxT   | LxN   | K0   | Dc   | Adiv | Aatm  | Agr  | Afol | Ahous | Abar | Cmet | RL   | LrT    | LrN    |
|  | (m)       | (m)        | (m)    |       | (Hz)  | dB(A) | dB(A) | (dB) | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB)  | (dB) | (dB) | (dB) | dB(A)  | dB(A)  |
| 1  | 527506.00 | 4893375.00 | 556.00 | 0     | 32    | 73.5  | 73.5  | 0.0  | 0.0  | 81.3 | 0.1   | -3.7 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -4.2   | -4.2   |
| 2  | 527506.00 | 4893375.00 | 556.00 | 0     | 63    | 84.0  | 84.0  | 0.0  | 0.0  | 81.3 | 0.4   | -3.7 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 6.0    | 6.0    |
| 3  | 527506.00 | 4893375.00 | 556.00 | 0     | 125   | 91.7  | 91.7  | 0.0  | 0.0  | 81.3 | 1.4   | 1.6  | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 7.5    | 7.5    |
| 4  | 527506.00 | 4893375.00 | 556.00 | 0     | 250   | 95.5  | 95.5  | 0.0  | 0.0  | 81.3 | 3.4   | -0.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.9   | 10.9   |
| 5  | 527506.00 | 4893375.00 | 556.00 | 0     | 500   | 97.0  | 97.0  | 0.0  | 0.0  | 81.3 | 6.3   | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 10.5   | 10.5   |
| 6  | 527506.00 | 4893375.00 | 556.00 | 0     | 1000  | 97.8  | 97.8  | 0.0  | 0.0  | 81.3 | 12.0  | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | 5.6    | 5.6    |
| 7  | 527506.00 | 4893375.00 | 556.00 | 0     | 2000  | 95.1  | 95.1  | 0.0  | 0.0  | 81.3 | 31.7  | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -16.8  | -16.8  |
| 8  | 527506.00 | 4893375.00 | 556.00 | 0     | 4000  | 87.9  | 87.9  | 0.0  | 0.0  | 81.3 | 107.4 | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -99.7  | -99.7  |
| 9  | 527506.00 | 4893375.00 | 556.00 | 0     | 8000  | 69.1  | 69.1  | 0.0  | 0.0  | 81.3 | 382.9 | -1.1 | 0.0  | 0.0   | 0.0  | 0.0  | -0.0 | -394.0 | -394.0 |



Transformer

| Configuration                       |   |
|-------------------------------------|---|
| Parameter                           | Value   |
| General                             |   |
| Country                             | (user defined)  |
| Max. Error (dB)                     | 0.00  |
| Max. Search Radius (m)              | 10000.00  |
| Min. Dist Src to Rcvr               | 0.00  |
| Partition                           |   |
| Raster Factor                       | 0.50  |
| Max. Length of Section (m)          | 1000.00   |
| Min. Length of Section (m)          | 1.00  |
| Min. Length of Section (%)          | 0.00  |
| Proj. Line Sources                  | On  |
| Proj. Area Sources                  | On  |
| Ref. Time                           |   |
| Reference Time Day (min)            | 960.00  |
| Reference Time Night (min)          | 480.00  |
| Daytime Penalty (dB)                | 0.00  |
| Recr. Time Penalty (dB)             | 0.00  |
| Night-time Penalty (dB)             | 0.00  |
| DTM                                 |   |
| Standard Height (m)                 | 0.00  |
| Model of Terrain                    | Triangulation   |
| Reflection                          |   |
| max. Order of Reflection            | 2   |
| Search Radius Src                   | 100.00  |
| Search Radius Rcvr                  | 100.00  |
| Max. Distance Source - Rcvr         | 1000.00 1000.00   |
| Min. Distance Rvcr - Reflector      | 1.00 1.00   |
| Min. Distance Source - Reflector    | 0.10  |
| Industrial (ISO 9613)               |   |
| Lateral Diffraction                 | some Obj  |
| Obst. within Area Src do not shield | On  |
| Screening                           | Excl. Ground Att. over Barrier<br>Dz with limit (20/25) |
| Barrier Coefficients C1,2,3         | 3.0 20.0 0.0  |
| Temperature (°C)                    | 10  |
| rel. Humidity (%)                   | 70  |
| Ground Absorption G                 | 0.70  |
| Wind Speed for Dir. (m/s)           | 3.0   |
| Roads (???)                         |   |
| Railways (???)                      |   |
| Aircraft (???)                      |   |
| Strictly acc. to AzB                |   |

Receiver  
 Name: Vlr  
 ID: 475  
 X: 524253.15  
 Y: 4893753.30  
 Z: 457.81

| Point Source, ISO 9613, Name: "TR", ID: "TR" |           |            |          |       |               |              |              |            |            |              |              |             |              |               |              |              |            |              |              |
|--|-----------|------------|----------|-------|---------------|--------------|--------------|------------|------------|--------------|--------------|-------------|--------------|---------------|--------------|--------------|------------|--------------|--------------|
| Nr.  | X<br>(m)  | Y<br>(m)   | Z<br>(m) | Refl. | Freq.<br>(Hz) | LxT<br>dB(A) | LxN<br>dB(A) | K0<br>(dB) | Dc<br>(dB) | Adiv<br>(dB) | Aatm<br>(dB) | Agr<br>(dB) | Afol<br>(dB) | Ahous<br>(dB) | Abar<br>(dB) | Cmet<br>(dB) | RL<br>(dB) | LrT<br>dB(A) | LrN<br>dB(A) |
| 1  | 524146.19 | 4893780.26 | 458.81   | 0     | 32            | 55.3         | 55.3         | 0.0        | 0.0        | 51.8         | 0.0          | -3.0        | 0.0          | 0.0           | 3.3          | 0.0          | -0.0       | 3.1          | 3.1          |
| 2  | 524146.19 | 4893780.26 | 458.81   | 0     | 63            | 74.5         | 74.5         | 0.0        | 0.0        | 51.8         | 0.0          | -3.0        | 0.0          | 0.0           | 5.0          | 0.0          | -0.0       | 20.7         | 20.7         |
| 3  | 524146.19 | 4893780.26 | 458.81   | 0     | 125           | 86.6         | 86.6         | 0.0        | 0.0        | 51.8         | 0.1          | 2.2         | 0.0          | 0.0           | 6.2          | 0.0          | -0.0       | 26.4         | 26.4         |
| 4  | 524146.19 | 4893780.26 | 458.81   | 0     | 250           | 89.1         | 89.1         | 0.0        | 0.0        | 51.8         | 0.1          | 2.3         | 0.0          | 0.0           | 8.6          | 0.0          | -0.0       | 26.3         | 26.3         |
| 5  | 524146.19 | 4893780.26 | 458.81   | 0     | 500           | 94.5         | 94.5         | 0.0        | 0.0        | 51.8         | 0.2          | -0.8        | 0.0          | 0.0           | 12.1         | 0.0          | -0.0       | 31.2         | 31.2         |
| 6  | 524146.19 | 4893780.26 | 458.81   | 0     | 1000          | 91.7         | 91.7         | 0.0        | 0.0        | 51.8         | 0.4          | -0.9        | 0.0          | 0.0           | 14.9         | 0.0          | -0.0       | 25.5         | 25.5         |
| 7  | 524146.19 | 4893780.26 | 458.81   | 0     | 2000          | 87.9         | 87.9         | 0.0        | 0.0        | 51.8         | 1.1          | -0.9        | 0.0          | 0.0           | 16.7         | 0.0          | -0.0       | 19.2         | 19.2         |
| 8  | 524146.19 | 4893780.26 | 458.81   | 0     | 4000          | 82.7         | 82.7         | 0.0        | 0.0        | 51.8         | 3.6          | -0.9        | 0.0          | 0.0           | 18.0         | 0.0          | -0.0       | 10.2         | 10.2         |
| 9  | 524146.19 | 4893780.26 | 458.81   | 0     | 8000          | 73.6         | 73.6         | 0.0        | 0.0        | 51.8         | 12.9         | -0.9        | 0.0          | 0.0           | 18.9         | 0.0          | -0.0       | -9.1         | -9.1         |

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Attachment G

Excel Calculation Sheets

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**East Durham Wind Energy Centre**

**Noise Level Calculations**

(A) G=0.7, C1=1, C2=0, C3=0, Turbines On but Transformer Off

(B) G=0.7, C3=1, C20=0, C3=0, Turbines Off but Transformer On with Barrier

Some turbine-receptor combinations have hm>56.625

Barrier with 7 metre height and 2 metre clearance from Transformer (as Point Source)

| Name  | M. | ID | Level Lr Day (dBA) | Partial Level |      | Name  | ID | Partial Level+3 |      | Case A                               | Case B             | (Case A+B) | Log Sum (col. W, col. X) dBA | Diff Col Y-Col Z | Receptor-turbine combination for 4th column | Receptor-turbine combination for 5th column |
|-------|----|----|--------------------|---------------|------|-------|----|-----------------|------|--------------------------------------|--------------------|------------|------------------------------|------------------|---|---|
|       |    |    |                    |               |      |       |    |                 |      | Log Sum (col. D, col. U, col. V) dBA | Level Lr Day (dBA) | As conour  |                              |                  |   |   |
| Res   |    | 1  | 27.7               |               |      | Res   | 1  |                 |      | 27.70                                | -4.6               | 27.70      | 27.70                        | 0.00             |   |   |
| Res   |    | 2  | 37.1               |               |      | Res   | 2  |                 |      | 37.10                                | 0.1                | 37.10      | 37.10                        | 0.00             |   |   |
| Res   |    | 3  | 28.8               |               |      | Res   | 3  |                 |      | 28.80                                | 1.5                | 28.81      | 28.81                        | 0.00             |   |   |
| Res   |    | 4  | 35.3               | 34.7          | 18.9 | Res   | 4  | 37.7            | 21.9 | 38.06                                | 14.4               | 35.34      | 38.08                        | 2.75             | 4-T10                                       | 4-T4  |
| Res   |    | 5  | 25.4               |               |      | Res   | 5  |                 |      | 25.40                                | 4.5                | 25.44      | 25.44                        | 0.00             |   |   |
| Res   |    | 6  | 38.5               |               |      | Res   | 6  |                 |      | 38.50                                | 15.3               | 38.52      | 38.52                        | 0.00             |   |   |
| Res-P |    | 7  | 39.1               |               |      | Res-P | 7  |                 |      | 39.10                                | 7.7                | 39.10      | 39.10                        | 0.00             |   |   |
| Res   |    | 8  | 36.1               |               |      | Res   | 8  |                 |      | 36.10                                | -0.4               | 36.10      | 36.10                        | 0.00             |   |   |
| Res   |    | 9  | 32                 |               |      | Res   | 9  |                 |      | 32.00                                | 8.1                | 32.02      | 32.02                        | 0.00             |   |   |
| Res   |    | 10 | 31.5               |               |      | Res   | 10 |                 |      | 31.50                                | 5.5                | 31.51      | 31.51                        | 0.00             |   |   |
| Res   |    | 11 | 31.8               | 14.6          |      | Res   | 11 | 17.6            |      | 31.88                                | 11.5               | 31.84      | 31.92                        | 0.08             | 11-T4                                       |   |
| Res   |    | 12 | 31.1               |               |      | Res   | 12 |                 |      | 31.10                                | 10.5               | 31.14      | 31.14                        | 0.00             |   |   |
| Res   |    | 13 | 36.8               |               |      | Res   | 13 |                 |      | 36.80                                | 11.5               | 36.81      | 36.81                        | 0.00             |   |   |
| Res   |    | 14 | 30.8               |               |      | Res   | 14 |                 |      | 30.80                                | 8.6                | 30.83      | 30.83                        | 0.00             |   |   |
| Res   |    | 15 | 27.7               |               |      | Res   | 15 |                 |      | 27.70                                | 4.8                | 27.72      | 27.72                        | 0.00             |   |   |
| Res   |    | 16 | 28.5               |               |      | Res   | 16 |                 |      | 28.50                                | 6.7                | 28.53      | 28.53                        | 0.00             |   |   |
| Res   |    | 17 | 35.7               |               |      | Res   | 17 |                 |      | 35.70                                | 13.5               | 35.73      | 35.73                        | 0.00             |   |   |
| Res   |    | 18 | 34.4               |               |      | Res   | 18 |                 |      | 34.40                                | 13.6               | 34.44      | 34.44                        | 0.00             |   |   |
| Res   |    | 19 | 32.6               |               |      | Res   | 19 |                 |      | 32.60                                | 2.5                | 32.60      | 32.60                        | 0.00             |   |   |
| Res   |    | 20 | 34                 |               |      | Res   | 20 |                 |      | 34.00                                | 6.9                | 34.01      | 34.01                        | 0.00             |   |   |
| Res   |    | 21 | 31.9               |               |      | Res   | 21 |                 |      | 31.90                                | 1.2                | 31.90      | 31.90                        | 0.00             |   |   |
| Res   |    | 22 | 29.4               |               |      | Res   | 22 |                 |      | 29.40                                | 0.1                | 29.41      | 29.41                        | 0.00             |   |   |
| Res   |    | 23 | 29.9               |               |      | Res   | 23 |                 |      | 29.90                                | -3.8               | 29.90      | 29.90                        | 0.00             |   |   |
| Res   |    | 24 | 30.8               |               |      | Res   | 24 |                 |      | 30.80                                | -3.5               | 30.80      | 30.80                        | 0.00             |   |   |
| Res   |    | 25 | 30.4               |               |      | Res   | 25 |                 |      | 30.40                                | -1.7               | 30.40      | 30.40                        | 0.00             |   |   |
| Res   |    | 26 | 30.8               |               |      | Res   | 26 |                 |      | 30.80                                | 3.2                | 30.81      | 30.81                        | 0.00             |   |   |
| Res   |    | 27 | 27.8               |               |      | Res   | 27 |                 |      | 27.80                                | -0.8               | 27.81      | 27.81                        | 0.00             |   |   |
| Res   |    | 28 | 36.2               |               |      | Res   | 28 |                 |      | 36.20                                | 0.9                | 36.20      | 36.20                        | 0.00             |   |   |
| Vlr   |    | 29 | 32                 |               |      | Vlr   | 29 |                 |      | 32.00                                | 11.4               | 32.04      | 32.04                        | 0.00             |   |   |
| Vlr   |    | 30 | 38.5               |               |      | Vlr   | 30 |                 |      | 38.50                                | 33.6               | 39.72      | 39.72                        | 0.00             |   |   |
| Vlr   |    | 31 | 25.8               |               |      | Vlr   | 31 |                 |      | 25.80                                | 5                  | 25.84      | 25.84                        | 0.00             |   |   |
| Vlr   |    | 32 | 32.7               |               |      | Vlr   | 32 |                 |      | 32.70                                | 11.3               | 32.73      | 32.73                        | 0.00             |   |   |
| Vlr   |    | 33 | 29.6               |               |      | Vlr   | 33 |                 |      | 29.60                                | -0.9               | 29.60      | 29.60                        | 0.00             |   |   |
| Vlr   |    | 34 | 31.5               |               |      | Vlr   | 34 |                 |      | 31.50                                | -4.6               | 31.50      | 31.50                        | 0.00             |   |   |
| Vlr   |    | 35 | 27.6               |               |      | Vlr   | 35 |                 |      | 27.60                                | -8.4               | 27.60      | 27.60                        | 0.00             |   |   |
| Vlr   |    | 36 | 33.9               | 10.2          |      | Vlr   | 36 | 13.2            |      | 33.92                                | 0.9                | 33.90      | 33.92                        | 0.02             | 36-T2                                       |   |
| Vlr   |    | 37 | 31                 |               |      | Vlr   | 37 |                 |      | 31.00                                | 8.8                | 31.03      | 31.03                        | 0.00             |   |   |
| Res   |    | 38 | 32.2               |               |      | Res   | 38 |                 |      | 32.20                                | 0.2                | 32.20      | 32.20                        | 0.00             |   |   |
| Res   |    | 39 | 27.8               |               |      | Res   | 39 |                 |      | 27.80                                | -3.9               | 27.80      | 27.80                        | 0.00             |   |   |
| Res   |    | 40 | 26.8               |               |      | Res   | 40 |                 |      | 26.80                                | -1.3               | 26.81      | 26.81                        | 0.00             |   |   |
| Res   |    | 41 | 29.7               |               |      | Res   | 41 |                 |      | 29.70                                | -0.6               | 29.70      | 29.70                        | 0.00             |   |   |
| Res   |    | 42 | 26.6               |               |      | Res   | 42 |                 |      | 26.60                                | -2.5               | 26.61      | 26.61                        | 0.00             |   |   |
| Res   |    | 43 | 34.3               |               |      | Res   | 43 |                 |      | 34.30                                | 2.3                | 34.30      | 34.30                        | 0.00             |   |   |
| Res   |    | 44 | 31.3               |               |      | Res   | 44 |                 |      | 31.30                                | 3                  | 31.31      | 31.31                        | 0.00             |   |   |
| Res   |    | 45 | 31                 |               |      | Res   | 45 |                 |      | 31.00                                | 3.3                | 31.01      | 31.01                        | 0.00             |   |   |
| Res   |    | 46 | 28.5               |               |      | Res   | 46 |                 |      | 28.50                                | 6.4                | 28.53      | 28.53                        | 0.00             |   |   |
| Res   |    | 47 | 26.1               |               |      | Res   | 47 |                 |      | 26.10                                | 5.3                | 26.14      | 26.14                        | 0.00             |   |   |
| Res   |    | 48 | 31.2               |               |      | Res   | 48 |                 |      | 31.20                                | 10.4               | 31.24      | 31.24                        | 0.00             |   |   |
| Res   |    | 49 | 36.5               |               |      | Res   | 49 |                 |      | 36.50                                | -0.4               | 36.50      | 36.50                        | 0.00             |   |   |
| Res   |    | 50 | 31.3               |               |      | Res   | 50 |                 |      | 31.30                                | 4.6                | 31.31      | 31.31                        | 0.00             |   |   |
| Res   |    | 51 | 32                 |               |      | Res   | 51 |                 |      | 32.00                                | 4.6                | 32.01      | 32.01                        | 0.00             |   |   |
| Res   |    | 52 | 31.1               |               |      | Res   | 52 |                 |      | 31.10                                | 7.5                | 31.12      | 31.12                        | 0.00             |   |   |
| Res   |    | 53 | 27.9               |               |      | Res   | 53 |                 |      | 27.90                                | 7.1                | 27.94      | 27.94                        | 0.00             |   |   |
| Res   |    | 54 | 29.4               |               |      | Res   | 54 |                 |      | 29.40                                | 7.6                | 29.43      | 29.43                        | 0.00             |   |   |
| Res   |    | 55 | 27.5               |               |      | Res   | 55 |                 |      | 27.50                                | 6                  | 27.53      | 27.53                        | 0.00             |   |   |
| Res   |    | 56 | 35.2               |               |      | Res   | 56 |                 |      | 35.20                                | 13.4               | 35.23      | 35.23                        | 0.00             |   |   |
| Res   |    | 57 | 27.6               |               |      | Res   | 57 |                 |      | 27.60                                | -7                 | 27.60      | 27.60                        | 0.00             |   |   |
| Res   |    | 58 | 27                 |               |      | Res   | 58 |                 |      | 27.00                                | -6.9               | 27.00      | 27.00                        | 0.00             |   |   |
| Res   |    | 59 | 27.2               |               |      | Res   | 59 |                 |      | 27.20                                | -1.5               | 27.21      | 27.21                        | 0.00             |   |   |
| Res   |    | 60 | 33.3               |               |      | Res   | 60 |                 |      | 33.30                                | 9.7                | 33.32      | 33.32                        | 0.00             |   |   |
| Res   |    | 61 | 32.9               |               |      | Res   | 61 |                 |      | 32.90                                | 11.5               | 32.93      | 32.93                        | 0.00             |   |   |
| Res   |    | 62 | 35.3               | 26            |      | Res   | 62 | 29              |      | 35.78                                | 12.6               | 35.32      | 35.80                        | 0.48             | 62-T3                                       |   |
| Res   |    | 63 | 27.8               |               |      | Res   | 63 |                 |      | 27.80                                | 2.8                | 27.81      | 27.81                        | 0.00             |   |   |
| Res   |    | 64 | 37                 |               |      | Res   | 64 |                 |      | 37.00                                | -2                 | 37.00      | 37.00                        | 0.00             |   |   |
| Res   |    | 65 | 27.5               |               |      | Res   | 65 |                 |      | 27.50                                | 2.1                | 27.51      | 27.51                        | 0.00             |   |   |
| Res   |    | 66 | 29.2               |               |      | Res   | 66 |                 |      | 29.20                                | -8.9               | 29.20      | 29.20                        | 0.00             |   |   |
| Res   |    | 67 | 28.3               |               |      | Res   | 67 |                 |      | 28.30                                | -8.7               | 28.30      | 28.30                        | 0.00             |   |   |
| Res   |    | 68 | 32.8               |               |      | Res   | 68 |                 |      | 32.80                                | -7.3               | 32.80      | 32.80                        | 0.00             |   |   |
| Res   |    | 69 | 33.5               |               |      | Res   | 69 |                 |      | 33.50                                | 0.6                | 33.50      | 33.50                        | 0.00             |   |   |
| Res   |    | 70 | 36.6               |               |      | Res   | 70 |                 |      | 36.60                                | 14.5               | 36.63      | 36.63                        | 0.00             |   |   |
| Vlr   |    | 71 | 35.5               |               |      | Vlr   | 71 |                 |      | 35.50                                | 24.9               | 35.86      | 35.86                        | 0.00             |   |   |
| Vlr   |    | 72 | 28.7               |               |      | Vlr   | 72 |                 |      | 28.70                                | 1.3                | 28.71      | 28.71                        | 0.00             |   |   |
| Vlr   |    | 73 | 29.7               |               |      | Vlr   | 73 |                 |      | 29.70                                | 5.7                | 29.72      | 29.72                        | 0.00             |   |   |
| Vlr   |    | 74 | 29.5               |               |      | Vlr   | 74 |                 |      | 29.50                                | 2.4                | 29.51      | 29.51                        | 0.00             |   |   |
| Vlr   |    | 75 | 32.2               |               |      | Vlr   | 75 |                 |      | 32.20                                | 4                  | 32.21      | 32.21                        | 0.00             |   |   |
| Vlr   |    | 76 | 26.1               |               |      | Vlr   | 76 |                 |      | 26.10                                | 5.4                | 26.14      | 26.14                        | 0.00             |   |   |
| Vlr   |    | 77 | 38.1               |               |      | Vlr   | 77 |                 |      | 38.10                                | 16.6               | 38.13      | 38.13                        | 0.00             |   |   |
| Vlr   |    | 78 | 33.3               |               |      | Vlr   | 78 |                 |      | 33.30                                | -7.4               | 33.30      | 33.30                        | 0.00             |   |   |
| Vlr   |    | 79 | 30.1               |               |      | Vlr   | 79 |                 |      | 30.10                                | -10.7              | 30.10      | 30.10                        | 0.00             |   |   |
| Res   |    | 80 | 28.6               |               |      | Res   | 80 |                 |      | 28.60                                | -10                | 28.60      | 28.60                        | 0.00             |   |   |
| Res   |    | 81 | 36.4               |               |      | Res   | 81 |                 |      | 36.40                                | 2.5                | 36.40      | 36.40                        | 0.00             |   |   |



| Name  | M. | ID  | Level Lr Day (dBA) | Partial Level | Name  | ID  | Partial Level+3 | Log Sum (col. D, col. U, col. V) dBA | Level Lr Day (dBA) | As conour | Log Sum (col. W, col. X) dBA |       | Receptor-turbine combination for 4th column | Receptor-turbine combination for 5th column |        |        |
|-------|----|-----|--------------------|---------------|-------|-----|-----------------|--------------------------------------|--------------------|-----------|------------------------------|-------|---|---|--------|--------|
| Res   |    | 82  | 31.4               |               | Res   | 82  |                 | 31.40                                | -0.1               | 31.40     | 31.40                        | 0.00  |   |   |        |        |
| Res   |    | 83  | 27                 |               | Res   | 83  |                 | 27.00                                | -1.1               | 27.01     | 27.01                        | 0.00  |   |   |        |        |
| Res   |    | 84  | 37.6               |               | Res   | 84  |                 | 37.60                                | 1.6                | 37.60     | 37.60                        | 0.00  |   |   |        |        |
| Res   |    | 85  | 37                 |               | Res   | 85  |                 | 37.00                                | 0                  | 37.00     | 37.00                        | 0.00  |   |   |        |        |
| Res   |    | 86  | 25.4               |               | Res   | 86  |                 | 25.40                                | 8.3                | 25.48     | 25.48                        | 0.00  |   |   |        |        |
| Res   |    | 87  | 33                 |               | Res   | 87  |                 | 33.00                                | 12.4               | 33.04     | 33.04                        | 0.00  |   |   |        |        |
| Res   |    | 88  | 35.5               |               | Res   | 88  |                 | 35.50                                | 15.6               | 35.54     | 35.54                        | 0.00  |   |   |        |        |
| Res   |    | 89  | 37.2               |               | Res   | 89  |                 | 37.20                                | 15.1               | 37.23     | 37.23                        | 0.00  |   |   |        |        |
| Res   |    | 90  | 36                 |               | Res   | 90  |                 | 36.00                                | 24.1               | 36.27     | 36.27                        | 0.00  |   |   |        |        |
| Res   |    | 91  | 37.8               |               | Res   | 91  |                 | 37.80                                | 19.8               | 37.87     | 37.87                        | 0.00  |   |   |        |        |
| Res-P |    | 92  | 39.5               |               | Res-P | 92  |                 | 39.50                                | 25.9               | 39.69     | 39.69                        | 0.00  |   |   |        |        |
| Vlr   |    | 93  | 39                 |               | Vlr   | 93  |                 | 39.00                                | 10.4               | 39.01     | 39.01                        | 0.00  |   |   |        |        |
| Res   |    | 94  | 30.8               |               | Res   | 94  |                 | 30.80                                | 10.1               | 30.84     | 30.84                        | 0.00  |   |   |        |        |
| Res   |    | 95  | 35.7               |               | Res   | 95  |                 | 35.70                                | 11.8               | 35.72     | 35.72                        | 0.00  |   |   |        |        |
| Res   |    | 96  | 31.3               |               | Res   | 96  |                 | 31.30                                | 8.7                | 31.32     | 31.32                        | 0.00  |   |   |        |        |
| Res   |    | 97  | 26.9               |               | Res   | 97  |                 | 26.90                                | 2.7                | 26.92     | 26.92                        | 0.00  |   |   |        |        |
| Res   |    | 98  | 29.7               |               | Res   | 98  |                 | 29.70                                | 9.1                | 29.74     | 29.74                        | 0.00  |   |   |        |        |
| Res   |    | 99  | 35.9               |               | Res   | 99  |                 | 35.90                                | 15.2               | 35.94     | 35.94                        | 0.00  |   |   |        |        |
| Res   |    | 100 | 28.5               |               | Res   | 100 |                 | 28.50                                | -1.5               | 28.50     | 28.50                        | 0.00  |   |   |        |        |
| Res   |    | 101 | 30.7               |               | Res   | 101 |                 | 30.70                                | 3.2                | 30.71     | 30.71                        | 0.00  |   |   |        |        |
| Res   |    | 102 | 38                 |               | Res   | 102 |                 | 38.00                                | 14.9               | 38.02     | 38.02                        | 0.00  |   |   |        |        |
| Res   |    | 103 | 26.1               |               | Res   | 103 |                 | 26.10                                | -2                 | 26.11     | 26.11                        | 0.00  |   |   |        |        |
| Res   |    | 104 | 30.7               |               | Res   | 104 |                 | 30.70                                | 0                  | 30.70     | 30.70                        | 0.00  |   |   |        |        |
| Res   |    | 105 | 28.3               |               | Res   | 105 |                 | 28.30                                | -8.5               | 28.30     | 28.30                        | 0.00  |   |   |        |        |
| Vlr   |    | 106 | 32.3               |               | Vlr   | 106 |                 | 32.30                                | 3.7                | 32.31     | 32.31                        | 0.00  |   |   |        |        |
| Vlr   |    | 107 | 33.3               |               | Vlr   | 107 |                 | 33.30                                | 5.7                | 33.31     | 33.31                        | 0.00  |   |   |        |        |
| Vlr-P |    | 108 | 39.2               |               | Vlr-P | 108 |                 | 39.20                                | 4.8                | 39.20     | 39.20                        | 0.00  |   |   |        |        |
| Vlr   |    | 109 | 27.9               |               | Vlr   | 109 |                 | 27.90                                | 6.3                | 27.93     | 27.93                        | 0.00  |   |   |        |        |
| Vlr   |    | 110 | 31.6               |               | Vlr   | 110 |                 | 31.60                                | 4.8                | 31.61     | 31.61                        | 0.00  |   |   |        |        |
| Vlr   |    | 111 | 31.1               |               | Vlr   | 111 |                 | 31.10                                | 1.4                | 31.10     | 31.10                        | 0.00  |   |   |        |        |
| Vlr   |    | 112 | 28.2               |               | Vlr   | 112 |                 | 28.20                                | -1.4               | 28.20     | 28.20                        | 0.00  |   |   |        |        |
| Vlr   |    | 113 | 28.3               |               | Vlr   | 113 |                 | 28.30                                | -8.4               | 28.30     | 28.30                        | 0.00  |   |   |        |        |
| Vlr   |    | 114 | 28.1               |               | Vlr   | 114 |                 | 28.10                                | -7.7               | 28.10     | 28.10                        | 0.00  |   |   |        |        |
| Vlr   |    | 115 | 31.4               |               | Vlr   | 115 |                 | 31.40                                | -7.3               | 31.40     | 31.40                        | 0.00  |   |   |        |        |
| Vlr   |    | 116 | 33.1               |               | Vlr   | 116 |                 | 33.10                                | -4.6               | 33.10     | 33.10                        | 0.00  |   |   |        |        |
| Vlr   |    | 117 | 24.9               |               | Vlr   | 117 |                 | 24.90                                | 4.1                | 24.94     | 24.94                        | 0.00  |   |   |        |        |
| Vlr   |    | 118 | 29.3               |               | Vlr   | 118 |                 | 29.30                                | -10                | 29.30     | 29.30                        | 0.00  |   |   |        |        |
| Res   |    | 119 | 28.6               |               | Res   | 119 |                 | 28.60                                | -10.8              | 28.60     | 28.60                        | 0.00  |   |   |        |        |
| Res   |    | 120 | 27.2               |               | Res   | 120 |                 | 27.20                                | -7.2               | 27.20     | 27.20                        | 0.00  |   |   |        |        |
| Res   |    | 121 | 31.2               |               | Res   | 121 |                 | 31.20                                | 0.6                | 31.20     | 31.20                        | 0.00  |   |   |        |        |
| Res   |    | 122 | 36                 |               | Res   | 122 |                 | 36.00                                | 1.6                | 36.00     | 36.00                        | 0.00  |   |   |        |        |
| Res   |    | 123 | 27.7               |               | Res   | 123 |                 | 27.70                                | -2                 | 27.70     | 27.70                        | 0.00  |   |   |        |        |
| Res   |    | 124 | 26.8               |               | Res   | 124 |                 | 26.80                                | -2.7               | 26.80     | 26.80                        | 0.00  |   |   |        |        |
| Res   |    | 125 | 30.5               |               | Res   | 125 |                 | 30.50                                | -2.7               | 30.50     | 30.50                        | 0.00  |   |   |        |        |
| Res   |    | 126 | 30.3               |               | Res   | 126 |                 | 30.30                                | -2.7               | 30.30     | 30.30                        | 0.00  |   |   |        |        |
| Res   |    | 127 | 38.3               |               | Res   | 127 |                 | 38.30                                | -0.1               | 38.30     | 38.30                        | 0.00  |   |   |        |        |
| Res   |    | 128 | 30.9               |               | Res   | 128 |                 | 30.90                                | 4.1                | 30.91     | 30.91                        | 0.00  |   |   |        |        |
| Res   |    | 129 | 30.4               |               | Res   | 129 |                 | 30.40                                | 4.2                | 30.41     | 30.41                        | 0.00  |   |   |        |        |
| Res   |    | 130 | 32                 |               | Res   | 130 |                 | 32.00                                | 7.5                | 32.02     | 32.02                        | 0.00  |   |   |        |        |
| Res   |    | 131 | 29.7               |               | Res   | 131 |                 | 29.70                                | 2.5                | 29.71     | 29.71                        | 0.00  |   |   |        |        |
| Res   |    | 132 | 28.8               |               | Res   | 132 |                 | 28.80                                | 1.2                | 28.81     | 28.81                        | 0.00  |   |   |        |        |
| Res   |    | 133 | 27.7               |               | Res   | 133 |                 | 27.70                                | 6                  | 27.73     | 27.73                        | 0.00  |   |   |        |        |
| Res   |    | 134 | 27                 |               | Res   | 134 |                 | 27.00                                | 6.5                | 27.04     | 27.04                        | 0.00  |   |   |        |        |
| Res   |    | 135 | 29.6               |               | Res   | 135 |                 | 29.60                                | 9                  | 29.64     | 29.64                        | 0.00  |   |   |        |        |
| Res   |    | 136 | 35                 |               | Res   | 136 |                 | 35.00                                | 14.2               | 35.04     | 35.04                        | 0.00  |   |   |        |        |
| Res   |    | 137 | 37.5               |               | Res   | 137 |                 | 37.50                                | 16.4               | 37.53     | 37.53                        | 0.00  |   |   |        |        |
| Res   |    | 138 | 35                 |               | Res   | 138 |                 | 35.00                                | 13.5               | 35.03     | 35.03                        | 0.00  |   |   |        |        |
| Res   |    | 139 | 34.7               | 25.5          | 24.4  | Res | 139             | 28.5                                 | 27.4               | 35.54     | 12.1                         | 34.72 | 35.56                                       | 0.83  | 139-T3 | 139-T4 |
| Res   |    | 140 | 27.8               |               | Res   | 140 |                 | 27.80                                | 6.3                | 27.83     | 27.83                        | 0.00  |   |   |        |        |
| Res   |    | 141 | 36.1               |               | Res   | 141 |                 | 36.10                                | -0.5               | 36.10     | 36.10                        | 0.00  |   |   |        |        |
| Res   |    | 142 | 34.7               |               | Res   | 142 |                 | 34.70                                | 13.1               | 34.73     | 34.73                        | 0.00  |   |   |        |        |
| Res   |    | 143 | 35.7               |               | Res   | 143 |                 | 35.70                                | 13.7               | 35.73     | 35.73                        | 0.00  |   |   |        |        |
| Res   |    | 144 | 36.4               |               | Res   | 144 |                 | 36.40                                | 1.6                | 36.40     | 36.40                        | 0.00  |   |   |        |        |
| Res   |    | 145 | 26.4               |               | Res   | 145 |                 | 26.40                                | -1.7               | 26.41     | 26.41                        | 0.00  |   |   |        |        |
| Res   |    | 146 | 28.4               |               | Res   | 146 |                 | 28.40                                | 2.7                | 28.41     | 28.41                        | 0.00  |   |   |        |        |
| Res   |    | 147 | 35.7               |               | Res   | 147 |                 | 35.70                                | -2.3               | 35.70     | 35.70                        | 0.00  |   |   |        |        |
| Res   |    | 148 | 31.2               |               | Res   | 148 |                 | 31.20                                | -2.2               | 31.20     | 31.20                        | 0.00  |   |   |        |        |
| Res   |    | 149 | 30.7               |               | Res   | 149 |                 | 30.70                                | 0.7                | 30.70     | 30.70                        | 0.00  |   |   |        |        |
| Res   |    | 150 | 29.6               |               | Res   | 150 |                 | 29.60                                | -5.9               | 29.60     | 29.60                        | 0.00  |   |   |        |        |
| Res   |    | 151 | 29.7               |               | Res   | 151 |                 | 29.70                                | 2.8                | 29.71     | 29.71                        | 0.00  |   |   |        |        |
| Res   |    | 152 | 30.5               |               | Res   | 152 |                 | 30.50                                | 3.5                | 30.51     | 30.51                        | 0.00  |   |   |        |        |
| Res   |    | 153 | 27.7               |               | Res   | 153 |                 | 27.70                                | -0.5               | 27.71     | 27.71                        | 0.00  |   |   |        |        |
| Vlr   |    | 154 | 33.6               |               | Vlr   | 154 |                 | 33.60                                | 11.9               | 33.63     | 33.63                        | 0.00  |   |   |        |        |
| Vlr   |    | 155 | 32.3               |               | Vlr   | 155 |                 | 32.30                                | 11.7               | 32.34     | 32.34                        | 0.00  |   |   |        |        |
| Vlr   |    | 156 | 36.3               |               | Vlr   | 156 |                 | 36.30                                | 18.2               | 36.37     | 36.37                        | 0.00  |   |   |        |        |
| Vlr   |    | 157 | 35.6               |               | Vlr   | 157 |                 | 35.60                                | 14                 | 35.63     | 35.63                        | 0.00  |   |   |        |        |
| Vlr   |    | 158 | 35.6               | 26.4          | Vlr   | 158 | 29.4            | 36.09                                | 12.5               | 35.62     | 36.11                        | 0.49  | 158-T3                                      |   |        |        |
| Vlr   |    | 159 | 28.2               |               | Vlr   | 159 |                 | 28.20                                | 6.6                | 28.23     | 28.23                        | 0.00  |   |   |        |        |
| Vlr   |    | 160 | 32.1               |               | Vlr   | 160 |                 | 32.10                                | 10.6               | 32.13     | 32.13                        | 0.00  |   |   |        |        |
| Vlr   |    | 161 | 39.5               |               | Vlr   | 161 |                 | 39.50                                | 8.5                | 39.50     | 39.50                        | 0.00  |   |   |        |        |
| Vlr   |    | 162 | 33.9               |               | Vlr   | 162 |                 | 33.90                                | 13                 | 33.94     | 33.94                        | 0.00  |   |   |        |        |
| Vlr-P |    | 163 | 39.6               |               | Vlr-P | 163 |                 | 39.60                                | 9.2                | 39.60     | 39.60                        | 0.00  |   |   |        |        |
| Res   |    | 164 | 33.7               |               | Res   | 164 |                 | 33.70                                | -0.6               | 33.70     | 33.70                        | 0.00  |   |   |        |        |
| Res   |    | 165 | 31                 |               | Res   | 165 |                 | 31.00                                | 0                  | 31.00     | 31.00                        | 0.00  |   |   |        |        |
| Res   |    | 166 | 34.4               |               | Res   | 166 |                 | 34.40                                | -2.6               | 34.40     | 34.40                        | 0.00  |   |   |        |        |
| Res   |    | 167 | 26.5               |               | Res   | 167 |                 | 26.50                                | -4.8               | 26.50     | 26.50                        | 0.00  |   |   |        |        |
| Res   |    | 168 | 36.1               |               | Res   | 168 |                 | 36.10                                | 1.4                | 36.10     | 36.10                        | 0.00  |   |   |        |        |
| Res   |    | 169 | 29.1               |               | Res   | 169 |                 | 29.10                                | 1.7                | 29.11     | 29.11                        | 0.00  |   |   |        |        |
| Res   |    | 170 | 31.6               |               | Res   | 170 |                 | 31.60                                | -0.3               | 31.60     | 31.60                        | 0.00  |   |   |        |        |

| Name  | M. | ID  | Level Lr Day (dBA) | Partial Level | Name  | ID  | Partial Level+3 | Log Sum (col. D, col. U, col. V) dBA | Level Lr Day (dBA) | As conour | Log Sum (col. W, col. X) dBA |       | Receptor-turbine combination for 4th column | Receptor-turbine combination for 5th column |        |         |
|-------|----|-----|--------------------|---------------|-------|-----|-----------------|--------------------------------------|--------------------|-----------|------------------------------|-------|---|---|--------|---------|
| Res   |    | 171 | 30.2               |               | Res   | 171 |                 | 30.20                                | 11.4               | 30.26     | 30.26                        | 0.00  |   |   |        |         |
| Res   |    | 172 | 29.3               |               | Res   | 172 |                 | 29.30                                | 8.7                | 29.34     | 29.34                        | 0.00  |   |   |        |         |
| Res   |    | 173 | 30.8               |               | Res   | 173 |                 | 30.80                                | 10                 | 30.84     | 30.84                        | 0.00  |   |   |        |         |
| Res   |    | 174 | 33.2               |               | Res   | 174 |                 | 33.20                                | 12.4               | 33.24     | 33.24                        | 0.00  |   |   |        |         |
| Res   |    | 175 | 36.1               |               | Res   | 175 |                 | 36.10                                | 16.5               | 36.15     | 36.15                        | 0.00  |   |   |        |         |
| Res-P |    | 176 | 39.2               |               | Res   | 176 |                 | 39.20                                | 44.2               | 45.39     | 45.39                        | 0.00  | Res-P                                       |   |        |         |
| Res   |    | 177 | 37.5               |               | Res   | 177 |                 | 37.50                                | -0.1               | 37.50     | 37.50                        | 0.00  |   |   |        |         |
| Res   |    | 178 | 33.1               |               | Res   | 178 |                 | 33.10                                | 12.2               | 33.14     | 33.14                        | 0.00  |   |   |        |         |
| Res   |    | 179 | 33.4               |               | Res   | 179 |                 | 33.40                                | 12.7               | 33.44     | 33.44                        | 0.00  |   |   |        |         |
| Res   |    | 180 | 35.6               |               | Res   | 180 |                 | 35.60                                | 12                 | 35.62     | 35.62                        | 0.00  |   |   |        |         |
| Res   |    | 181 | 33.9               |               | Res   | 181 |                 | 33.90                                | 10                 | 33.92     | 33.92                        | 0.00  |   |   |        |         |
| Res   |    | 182 | 33.3               |               | Res   | 182 |                 | 33.30                                | 9.7                | 33.32     | 33.32                        | 0.00  |   |   |        |         |
| Res   |    | 183 | 30.5               |               | Res   | 183 |                 | 30.50                                | 7.8                | 30.52     | 30.52                        | 0.00  |   |   |        |         |
| Res   |    | 184 | 36.2               |               | Res   | 184 |                 | 36.20                                | 13.8               | 36.22     | 36.22                        | 0.00  |   |   |        |         |
| Res   |    | 185 | 32.2               |               | Res   | 185 |                 | 32.20                                | 13.8               | 32.26     | 32.26                        | 0.00  |   |   |        |         |
| Res   |    | 186 | 35                 |               | Res   | 186 |                 | 35.00                                | 0.7                | 35.00     | 35.00                        | 0.00  |   |   |        |         |
| Res   |    | 187 | 29.5               |               | Res   | 187 |                 | 29.50                                | -1.3               | 29.50     | 29.50                        | 0.00  |   |   |        |         |
| Res   |    | 188 | 26.6               |               | Res   | 188 |                 | 26.60                                | -6.5               | 26.60     | 26.60                        | 0.00  |   |   |        |         |
| Res   |    | 189 | 25.8               |               | Res   | 189 |                 | 25.80                                | -2.1               | 25.81     | 25.81                        | 0.00  |   |   |        |         |
| Res   |    | 190 | 30.9               |               | Res   | 190 |                 | 30.90                                | 4.1                | 30.91     | 30.91                        | 0.00  |   |   |        |         |
| Res   |    | 191 | 28.9               |               | Res   | 191 |                 | 28.90                                | -7.3               | 28.90     | 28.90                        | 0.00  |   |   |        |         |
| Res   |    | 192 | 36.3               |               | Res   | 192 |                 | 36.30                                | 16.4               | 36.34     | 36.34                        | 0.00  |   |   |        |         |
| Res   |    | 193 | 31.7               |               | Res   | 193 |                 | 31.70                                | 4.8                | 31.71     | 31.71                        | 0.00  |   |   |        |         |
| Res   |    | 194 | 30.7               | 11.2          | 11    | Res | 194             | 14.2                                 | 14                 | 30.79     | 1.7                          | 30.71 | 30.80                                       | 0.09  | 194-T1 | 194-T4  |
| Res-P |    | 195 | 38.2               |               | Res-P | 195 |                 | 38.20                                | -1.5               | 38.20     | 38.20                        | 0.00  |   |   |        |         |
| Res   |    | 196 | 29.7               |               | Res   | 196 |                 | 29.70                                | -1.8               | 29.70     | 29.70                        | 0.00  |   |   |        |         |
| Res   |    | 197 | 30.7               |               | Res   | 197 |                 | 30.70                                | 3.5                | 30.71     | 30.71                        | 0.00  |   |   |        |         |
| Res   |    | 198 | 30.3               |               | Res   | 198 |                 | 30.30                                | -9.3               | 30.30     | 30.30                        | 0.00  |   |   |        |         |
| Res   |    | 199 | 29.2               |               | Res   | 199 |                 | 29.20                                | -4.3               | 29.20     | 29.20                        | 0.00  |   |   |        |         |
| Res   |    | 200 | 29.3               |               | Res   | 200 |                 | 29.30                                | -8.7               | 29.30     | 29.30                        | 0.00  |   |   |        |         |
| Res   |    | 201 | 30.9               |               | Res   | 201 |                 | 30.90                                | -10.1              | 30.90     | 30.90                        | 0.00  |   |   |        |         |
| Res   |    | 202 | 33.5               |               | Res   | 202 |                 | 33.50                                | -6.3               | 33.50     | 33.50                        | 0.00  |   |   |        |         |
| Vlr   |    | 203 | 32.7               |               | Vlr   | 203 |                 | 32.70                                | 9.3                | 32.72     | 32.72                        | 0.00  |   |   |        |         |
| Vlr   |    | 204 | 27.9               |               | Vlr   | 204 |                 | 27.90                                | 7.4                | 27.94     | 27.94                        | 0.00  |   |   |        |         |
| Vlr   |    | 205 | 32.3               |               | Vlr   | 205 |                 | 32.30                                | 8.6                | 32.32     | 32.32                        | 0.00  |   |   |        |         |
| Vlr   |    | 206 | 33.3               | 18.1          | 32.5  | Vlr | 206             | 21.1                                 | 35.5               | 35.99     | 13.3                         | 33.34 | 36.01                                       | 2.67  | 206-T4 | 206-T10 |
| Vlr   |    | 207 | 27.4               |               | Vlr   | 207 |                 | 27.40                                | 5.6                | 27.43     | 27.43                        | 0.00  |   |   |        |         |
| Vlr   |    | 208 | 39.5               |               | Vlr   | 208 |                 | 39.50                                | 9                  | 39.50     | 39.50                        | 0.00  |   |   |        |         |
| Vlr   |    | 209 | 29                 |               | Vlr   | 209 |                 | 29.00                                | 2                  | 29.01     | 29.01                        | 0.00  |   |   |        |         |
| Vlr   |    | 210 | 32.3               |               | Vlr   | 210 |                 | 32.30                                | 3.4                | 32.31     | 32.31                        | 0.00  |   |   |        |         |
| Vlr   |    | 211 | 35.8               |               | Vlr   | 211 |                 | 35.80                                | 13.6               | 35.83     | 35.83                        | 0.00  |   |   |        |         |
| Vlr   |    | 212 | 33.3               |               | Vlr   | 212 |                 | 33.30                                | -7                 | 33.30     | 33.30                        | 0.00  |   |   |        |         |
| Vlr   |    | 213 | 25.7               |               | Vlr   | 213 |                 | 25.70                                | -5.8               | 25.70     | 25.70                        | 0.00  |   |   |        |         |
| Res   |    | 214 | 28.5               |               | Res   | 214 |                 | 28.50                                | -4.4               | 28.50     | 28.50                        | 0.00  |   |   |        |         |
| Res   |    | 215 | 28.8               |               | Res   | 215 |                 | 28.80                                | -9.9               | 28.80     | 28.80                        | 0.00  |   |   |        |         |
| Res   |    | 216 | 29.2               |               | Res   | 216 |                 | 29.20                                | 1.3                | 29.21     | 29.21                        | 0.00  |   |   |        |         |
| Res   |    | 217 | 30.7               | 15.8          | 18.1  | Res | 217             | 18.8                                 | 21.1               | 31.06     | 1.2                          | 30.70 | 31.07                                       | 0.36  | 217-T1 | 217-T4  |
| Res   |    | 218 | 26.5               |               | Res   | 218 |                 | 26.50                                | -1.5               | 26.51     | 26.51                        | 0.00  |   |   |        |         |
| Res   |    | 219 | 37                 |               | Res   | 219 |                 | 37.00                                | 0.2                | 37.00     | 37.00                        | 0.00  |   |   |        |         |
| Res   |    | 220 | 32.8               |               | Res   | 220 |                 | 32.80                                | 2.8                | 32.80     | 32.80                        | 0.00  |   |   |        |         |
| Res   |    | 221 | 30.4               |               | Res   | 221 |                 | 30.40                                | 2.8                | 30.41     | 30.41                        | 0.00  |   |   |        |         |
| Res   |    | 222 | 29                 |               | Res   | 222 |                 | 29.00                                | 2                  | 29.01     | 29.01                        | 0.00  |   |   |        |         |
| Res   |    | 223 | 28.6               |               | Res   | 223 |                 | 28.60                                | 1.9                | 28.61     | 28.61                        | 0.00  |   |   |        |         |
| Res   |    | 224 | 29.3               |               | Res   | 224 |                 | 29.30                                | 2.2                | 29.31     | 29.31                        | 0.00  |   |   |        |         |
| Res   |    | 225 | 28.8               |               | Res   | 225 |                 | 28.80                                | 8.1                | 28.84     | 28.84                        | 0.00  |   |   |        |         |
| Res-P |    | 226 | 34.8               |               | Res-P | 226 |                 | 34.80                                | 13.2               | 34.83     | 34.83                        | 0.00  |   |   |        |         |
| Res   |    | 227 | 35.9               |               | Res   | 227 |                 | 35.90                                | 18.9               | 35.99     | 35.99                        | 0.00  |   |   |        |         |
| Res   |    | 228 | 31.3               |               | Res   | 228 |                 | 31.30                                | 5.9                | 31.31     | 31.31                        | 0.00  |   |   |        |         |
| Res   |    | 229 | 31.1               |               | Res   | 229 |                 | 31.10                                | 6.6                | 31.12     | 31.12                        | 0.00  |   |   |        |         |
| Res   |    | 230 | 32.9               |               | Res   | 230 |                 | 32.90                                | 13.5               | 32.95     | 32.95                        | 0.00  |   |   |        |         |
| Res   |    | 231 | 32.9               |               | Res   | 231 |                 | 32.90                                | 10.9               | 32.93     | 32.93                        | 0.00  |   |   |        |         |
| Res   |    | 232 | 32.6               |               | Res   | 232 |                 | 32.60                                | 11                 | 32.63     | 32.63                        | 0.00  |   |   |        |         |
| Res   |    | 233 | 32.3               |               | Res   | 233 |                 | 32.30                                | 11                 | 32.33     | 32.33                        | 0.00  |   |   |        |         |
| Res   |    | 234 | 34.5               |               | Res   | 234 |                 | 34.50                                | 13.9               | 34.54     | 34.54                        | 0.00  |   |   |        |         |
| Res   |    | 235 | 34.6               |               | Res   | 235 |                 | 34.60                                | 13.7               | 34.64     | 34.64                        | 0.00  |   |   |        |         |
| Res   |    | 236 | 39.4               |               | Res   | 236 |                 | 39.40                                | 20.6               | 39.46     | 39.46                        | 0.00  |   |   |        |         |
| Res   |    | 237 | 36.7               |               | Res   | 237 |                 | 36.70                                | 11.2               | 36.71     | 36.71                        | 0.00  |   |   |        |         |
| Res   |    | 238 | 28.2               |               | Res   | 238 |                 | 28.20                                | 6.4                | 28.23     | 28.23                        | 0.00  |   |   |        |         |
| Res   |    | 239 | 36.5               |               | Res   | 239 |                 | 36.50                                | 0.3                | 36.50     | 36.50                        | 0.00  |   |   |        |         |
| Res   |    | 240 | 34.4               |               | Res   | 240 |                 | 34.40                                | 13.1               | 34.43     | 34.43                        | 0.00  |   |   |        |         |
| Res   |    | 241 | 31.4               |               | Res   | 241 |                 | 31.40                                | 5.5                | 31.41     | 31.41                        | 0.00  |   |   |        |         |
| Res-P |    | 242 | 37.8               |               | Res-P | 242 |                 | 37.80                                | -7.1               | 37.80     | 37.80                        | 0.00  |   |   |        |         |
| Res   |    | 243 | 28.2               |               | Res   | 243 |                 | 28.20                                | -10.4              | 28.20     | 28.20                        | 0.00  |   |   |        |         |
| Res   |    | 244 | 25.3               |               | Res   | 244 |                 | 25.30                                | -5.8               | 25.30     | 25.30                        | 0.00  |   |   |        |         |
| Res-P |    | 245 | 40.2               |               | Res-P | 245 |                 | 40.20                                | 2.9                | 40.20     | 40.20                        | 0.00  | Res-P                                       |   |        |         |
| Res   |    | 246 | 29.9               |               | Res   | 246 |                 | 29.90                                | -0.6               | 29.90     | 29.90                        | 0.00  |   |   |        |         |
| Res   |    | 247 | 29.9               |               | Res   | 247 |                 | 29.90                                | 3                  | 29.91     | 29.91                        | 0.00  |   |   |        |         |
| Res   |    | 248 | 30.7               |               | Res   | 248 |                 | 30.70                                | 5.9                | 30.71     | 30.71                        | 0.00  |   |   |        |         |
| Res   |    | 249 | 29.3               |               | Res   | 249 |                 | 29.30                                | 0.8                | 29.31     | 29.31                        | 0.00  |   |   |        |         |
| Vlr   |    | 250 | 36                 |               | Vlr   | 250 |                 | 36.00                                | 4.4                | 36.00     | 36.00                        | 0.00  |   |   |        |         |
| Vlr   |    | 251 | 36.4               |               | Vlr   | 251 |                 | 36.40                                | -0.9               | 36.40     | 36.40                        | 0.00  |   |   |        |         |
| Vlr   |    | 252 | 35.7               |               | Vlr   | 252 |                 | 35.70                                | 23                 | 35.93     | 35.93                        | 0.00  |   |   |        |         |
| Vlr   |    | 253 | 28.7               |               | Vlr   | 253 |                 | 28.70                                | 1.1                | 28.71     | 28.71                        | 0.00  |   |   |        |         |
| Vlr   |    | 254 | 34.2               |               | Vlr   | 254 |                 | 34.20                                | 10.7               | 34.22     | 34.22                        | 0.00  |   |   |        |         |
| Vlr   |    | 255 | 27.1               |               | Vlr   | 255 |                 | 27.10                                | 3.3                | 27.12     | 27.12                        | 0.00  |   |   |        |         |
| Vlr   |    | 256 | 31.3               |               | Vlr   | 256 |                 | 31.30                                | 5.5                | 31.31     | 31.31                        | 0.00  |   |   |        |         |
| Vlr   |    | 257 | 28.7               |               | Vlr   | 257 |                 | 28.70                                | -7.3               | 28.70     | 28.70                        | 0.00  |   |   |        |         |
| Vlr   |    | 258 | 36.2               |               | Vlr   | 258 |                 | 36.20                                | 0.3                | 36.20     | 36.20                        | 0.00  |   |   |        |         |
| Vlr   |    | 259 | 27.9               |               | Vlr   | 259 |                 | 27.90                                | -11.4              | 27.90     | 27.90                        | 0.00  |   |   |        |         |



| Name  | M. | ID  | Level Lr Day (dBA) | Partial Level | Name  | ID  | Partial Level+3 | Log Sum (col. D, col. U, col. V) dBA | Level Lr Day (dBA) | As conour | Log Sum (col. W, col. X) dBA |      | Receptor-turbine combination for 4th column | Receptor-turbine combination for 5th column |
|-------|----|-----|--------------------|---------------|-------|-----|-----------------|--------------------------------------|--------------------|-----------|------------------------------|------|---|---|
| Vlr   |    | 260 | 29.2               |               | Vlr   | 260 |                 | 29.20                                | 1.7                | 29.21     | 29.21                        | 0.00 |   |   |
| Vlr   |    | 261 | 27.5               |               | Vlr   | 261 |                 | 27.50                                | 2.4                | 27.51     | 27.51                        | 0.00 |   |   |
| Vlr   |    | 262 | 30.8               |               | Vlr   | 262 |                 | 30.80                                | -0.2               | 30.80     | 30.80                        | 0.00 |   |   |
| Res   |    | 263 | 28.4               |               | Res   | 263 |                 | 28.40                                | -4.4               | 28.40     | 28.40                        | 0.00 |   |   |
| Res   |    | 264 | 27.6               |               | Res   | 264 |                 | 27.60                                | 0.5                | 27.61     | 27.61                        | 0.00 |   |   |
| Res   |    | 265 | 31.8               |               | Res   | 265 |                 | 31.80                                | -3.3               | 31.80     | 31.80                        | 0.00 |   |   |
| Res-P |    | 266 | 35.7               |               | Res   | 266 |                 | 35.70                                | -4.1               | 35.70     | 35.70                        | 0.00 |   |   |
| Res   |    | 267 | 29.1               |               | Res   | 267 |                 | 29.10                                | -0.1               | 29.11     | 29.11                        | 0.00 |   |   |
| Res   |    | 268 | 28.8               |               | Res   | 268 |                 | 28.80                                | 8.2                | 28.84     | 28.84                        | 0.00 |   |   |
| Res   |    | 269 | 31                 |               | Res   | 269 |                 | 31.00                                | 10.3               | 31.04     | 31.04                        | 0.00 |   |   |
| Res   |    | 270 | 35.3               |               | Res   | 270 |                 | 35.30                                | 15.5               | 35.35     | 35.35                        | 0.00 |   |   |
| Res-P |    | 271 | 41.2               |               | Res-P | 271 |                 | 41.20                                | 22.4               | 41.26     | 41.26                        | 0.00 | Res-P                                       |   |
| Res-P |    | 272 | 36.1               |               | Res-P | 272 |                 | 36.10                                | 15.1               | 36.13     | 36.13                        | 0.00 |   |   |
| Res   |    | 273 | 31.8               |               | Res   | 273 |                 | 31.80                                | 11.1               | 31.84     | 31.84                        | 0.00 |   |   |
| Res   |    | 274 | 29.9               |               | Res   | 274 |                 | 29.90                                | 9.3                | 29.94     | 29.94                        | 0.00 |   |   |
| Res   |    | 275 | 28.6               |               | Res   | 275 |                 | 28.60                                | 7                  | 28.63     | 28.63                        | 0.00 |   |   |
| Res   |    | 276 | 26.8               |               | Res   | 276 |                 | 26.80                                | 5.4                | 26.83     | 26.83                        | 0.00 |   |   |
| Res   |    | 277 | 37.6               |               | Res   | 277 |                 | 37.60                                | 15.1               | 37.62     | 37.62                        | 0.00 |   |   |
| Res   |    | 278 | 28.9               |               | Res   | 278 |                 | 28.90                                | -1.6               | 28.90     | 28.90                        | 0.00 |   |   |
| Res   |    | 279 | 28.1               |               | Res   | 279 |                 | 28.10                                | -1.1               | 28.11     | 28.11                        | 0.00 |   |   |
| Res   |    | 280 | 28.9               |               | Res   | 280 |                 | 28.90                                | 2.4                | 28.91     | 28.91                        | 0.00 |   |   |
| Res   |    | 281 | 26.3               |               | Res   | 281 |                 | 26.30                                | -0.2               | 26.31     | 26.31                        | 0.00 |   |   |
| Res   |    | 282 | 38                 |               | Res   | 282 |                 | 38.00                                | 0.7                | 38.00     | 38.00                        | 0.00 |   |   |
| Res   |    | 283 | 25.9               |               | Res   | 283 |                 | 25.90                                | 5.1                | 25.94     | 25.94                        | 0.00 |   |   |
| Res   |    | 284 | 26.3               |               | Res   | 284 |                 | 26.30                                | -2                 | 26.31     | 26.31                        | 0.00 |   |   |
| Res   |    | 285 | 34.1               |               | Res   | 285 |                 | 34.10                                | 1.4                | 34.10     | 34.10                        | 0.00 |   |   |
| Res   |    | 286 | 28.4               |               | Res   | 286 |                 | 28.40                                | -0.6               | 28.41     | 28.41                        | 0.00 |   |   |
| Res   |    | 287 | 30.2               |               | Res   | 287 |                 | 30.20                                | -0.4               | 30.20     | 30.20                        | 0.00 |   |   |
| Res   |    | 288 | 34.1               |               | Res   | 288 |                 | 34.10                                | 2                  | 34.10     | 34.10                        | 0.00 |   |   |
| Res   |    | 289 | 30                 |               | Res   | 289 |                 | 30.00                                | 3.3                | 30.01     | 30.01                        | 0.00 |   |   |
| Res   |    | 290 | 29.4               |               | Res   | 290 |                 | 29.40                                | -10.5              | 29.40     | 29.40                        | 0.00 |   |   |
| Res   |    | 291 | 30.6               |               | Res   | 291 |                 | 30.60                                | -8.6               | 30.60     | 30.60                        | 0.00 |   |   |
| Res   |    | 292 | 31.3               |               | Res   | 292 |                 | 31.30                                | -7.5               | 31.30     | 31.30                        | 0.00 |   |   |
| Res   |    | 293 | 29.7               |               | Res   | 293 |                 | 29.70                                | -6.4               | 29.70     | 29.70                        | 0.00 |   |   |
| Vlr   |    | 295 | 27.4               |               | Vlr   | 295 |                 | 27.40                                | 5.8                | 27.43     | 27.43                        | 0.00 |   |   |
| Vlr   |    | 296 | 36.7               |               | Vlr   | 296 |                 | 36.70                                | 4                  | 36.70     | 36.70                        | 0.00 |   |   |
| Vlr   |    | 297 | 34.3               |               | Vlr   | 297 |                 | 34.30                                | 13.7               | 34.34     | 34.34                        | 0.00 |   |   |
| Vlr   |    | 298 | 34.7               |               | Vlr   | 298 |                 | 34.70                                | 7.9                | 34.71     | 34.71                        | 0.00 |   |   |
| Vlr   |    | 299 | 31.6               |               | Vlr   | 299 |                 | 31.60                                | 3                  | 31.61     | 31.61                        | 0.00 |   |   |
| Vlr   |    | 300 | 36.2               |               | Vlr   | 300 |                 | 36.20                                | -0.6               | 36.20     | 36.20                        | 0.00 |   |   |
| Res   |    | 301 | 27.5               |               | Res   | 301 |                 | 27.50                                | -4.2               | 27.50     | 27.50                        | 0.00 |   |   |
| Res   |    | 302 | 26.7               |               | Res   | 302 |                 | 26.70                                | -4.4               | 26.70     | 26.70                        | 0.00 |   |   |
| Res   |    | 303 | 30.3               |               | Res   | 303 |                 | 30.30                                | -0.2               | 30.30     | 30.30                        | 0.00 |   |   |
| Res   |    | 304 | 37.1               |               | Res   | 304 |                 | 37.10                                | 1.2                | 37.10     | 37.10                        | 0.00 |   |   |
| Res   |    | 305 | 35.6               |               | Res   | 305 |                 | 35.60                                | 4.5                | 35.60     | 35.60                        | 0.00 |   |   |
| Res-P |    | 306 | 39.7               |               | Res-P | 306 |                 | 39.70                                | -4.9               | 39.70     | 39.70                        | 0.00 |   |   |
| Res   |    | 307 | 33.9               |               | Res   | 307 |                 | 33.90                                | -1.9               | 33.90     | 33.90                        | 0.00 |   |   |
| Res   |    | 308 | 30.4               |               | Res   | 308 |                 | 30.40                                | 5.4                | 30.41     | 30.41                        | 0.00 |   |   |
| Res   |    | 309 | 29                 |               | Res   | 309 |                 | 29.00                                | 1.5                | 29.01     | 29.01                        | 0.00 |   |   |
| Res   |    | 310 | 31.8               |               | Res   | 310 |                 | 31.80                                | 8.2                | 31.82     | 31.82                        | 0.00 |   |   |
| Res   |    | 311 | 27.9               |               | Res   | 311 |                 | 27.90                                | 10.1               | 27.97     | 27.97                        | 0.00 |   |   |
| Res   |    | 312 | 27.3               |               | Res   | 312 |                 | 27.30                                | 5.7                | 27.33     | 27.33                        | 0.00 |   |   |
| Res   |    | 313 | 25.5               |               | Res   | 313 |                 | 25.50                                | 4.4                | 25.53     | 25.53                        | 0.00 |   |   |
| Res   |    | 314 | 25                 |               | Res   | 314 |                 | 25.00                                | 4.1                | 25.04     | 25.04                        | 0.00 |   |   |
| Res   |    | 315 | 25.7               |               | Res   | 315 |                 | 25.70                                | 4.9                | 25.74     | 25.74                        | 0.00 |   |   |
| Res   |    | 316 | 38.1               |               | Res   | 316 |                 | 38.10                                | 27.4               | 38.45     | 38.45                        | 0.00 |   |   |
| Res   |    | 317 | 36.4               |               | Res   | 317 |                 | 36.40                                | 15.9               | 36.44     | 36.44                        | 0.00 |   |   |
| Res   |    | 318 | 39.2               |               | Res   | 318 |                 | 39.20                                | 20.1               | 39.25     | 39.25                        | 0.00 |   |   |
| Res   |    | 319 | 29.3               |               | Res   | 319 |                 | 29.30                                | 8.5                | 29.34     | 29.34                        | 0.00 |   |   |
| Res   |    | 320 | 27.8               |               | Res   | 320 |                 | 27.80                                | 6.9                | 27.84     | 27.84                        | 0.00 |   |   |
| Res   |    | 321 | 30.8               |               | Res   | 321 |                 | 30.80                                | 8.4                | 30.82     | 30.82                        | 0.00 |   |   |
| Res   |    | 322 | 30.2               |               | Res   | 322 |                 | 30.20                                | 8.1                | 30.23     | 30.23                        | 0.00 |   |   |
| Res   |    | 323 | 37.7               |               | Res   | 323 |                 | 37.70                                | 2.6                | 37.70     | 37.70                        | 0.00 |   |   |
| Res   |    | 324 | 31.4               |               | Res   | 324 |                 | 31.40                                | 12.4               | 31.45     | 31.45                        | 0.00 |   |   |
| Res   |    | 325 | 31.6               |               | Res   | 325 |                 | 31.60                                | 3.3                | 31.61     | 31.61                        | 0.00 |   |   |
| Res   |    | 326 | 31.6               |               | Res   | 326 |                 | 31.60                                | 2.2                | 31.60     | 31.60                        | 0.00 |   |   |
| Res   |    | 327 | 32.3               |               | Res   | 327 |                 | 32.30                                | 0.2                | 32.30     | 32.30                        | 0.00 |   |   |
| Res   |    | 328 | 28.6               |               | Res   | 328 |                 | 28.60                                | 0.3                | 28.61     | 28.61                        | 0.00 |   |   |
| Res   |    | 329 | 28.3               |               | Res   | 329 |                 | 28.30                                | -0.8               | 28.31     | 28.31                        | 0.00 |   |   |
| Res   |    | 330 | 36.3               |               | Res   | 330 |                 | 36.30                                | 25.7               | 36.66     | 36.66                        | 0.00 |   |   |
| Res   |    | 331 | 27.8               |               | Res   | 331 |                 | 27.80                                | 4.4                | 27.82     | 27.82                        | 0.00 |   |   |
| Res   |    | 332 | 29.9               |               | Res   | 332 |                 | 29.90                                | 6.9                | 29.92     | 29.92                        | 0.00 |   |   |
| Res   |    | 333 | 30.8               |               | Res   | 333 |                 | 30.80                                | 10.2               | 30.84     | 30.84                        | 0.00 |   |   |
| Res   |    | 334 | 28.4               |               | Res   | 334 |                 | 28.40                                | -11.3              | 28.40     | 28.40                        | 0.00 |   |   |
| Res   |    | 335 | 29                 |               | Res   | 335 |                 | 29.00                                | -4.3               | 29.00     | 29.00                        | 0.00 |   |   |
| Res   |    | 336 | 29                 |               | Res   | 336 |                 | 29.00                                | 2.8                | 29.01     | 29.01                        | 0.00 |   |   |
| Vlr   |    | 337 | 37.5               |               | Vlr   | 337 |                 | 37.50                                | -3.9               | 37.50     | 37.50                        | 0.00 |   |   |
| Vlr   |    | 338 | 29.4               |               | Vlr   | 338 |                 | 29.40                                | 2.2                | 29.41     | 29.41                        | 0.00 |   |   |
| Vlr   |    | 339 | 30.4               |               | Vlr   | 339 |                 | 30.40                                | -5.1               | 30.40     | 30.40                        | 0.00 |   |   |
| Vlr   |    | 340 | 28.9               |               | Vlr   | 340 |                 | 28.90                                | 8.3                | 28.94     | 28.94                        | 0.00 |   |   |
| Vlr   |    | 341 | 37.4               |               | Vlr   | 341 |                 | 37.40                                | 1.8                | 37.40     | 37.40                        | 0.00 |   |   |
| Vlr   |    | 342 | 32.1               |               | Vlr   | 342 |                 | 32.10                                | 8.9                | 32.12     | 32.12                        | 0.00 |   |   |
| Vlr   |    | 343 | 30.5               |               | Vlr   | 343 |                 | 30.50                                | -8.1               | 30.50     | 30.50                        | 0.00 |   |   |
| Vlr   |    | 344 | 29.4               |               | Vlr   | 344 |                 | 29.40                                | -7.1               | 29.40     | 29.40                        | 0.00 |   |   |
| Vlr   |    | 345 | 28.7               |               | Vlr   | 345 |                 | 28.70                                | -0.4               | 28.71     | 28.71                        | 0.00 |   |   |
| Vlr-P |    | 346 | 34.5               |               | Vlr-P | 346 |                 | 34.50                                | 10.4               | 34.52     | 34.52                        | 0.00 |   |   |
| Res   |    | 347 | 28.8               |               | Res   | 347 |                 | 28.80                                | -10.3              | 28.80     | 28.80                        | 0.00 |   |   |
| Res   |    | 348 | 26.1               |               | Res   | 348 |                 | 26.10                                | -8.4               | 26.10     | 26.10                        | 0.00 |   |   |
| Res   |    | 349 | 26.7               |               | Res   | 349 |                 | 26.70                                | -8.5               | 26.70     | 26.70                        | 0.00 |   |   |

| Name   | M. | ID  | Level Lr Day (dBA) | Partial Level | Name | ID  | Partial Level+3 | Log Sum (col. D, col. U, col. V) dBA | Level Lr Day (dBA) | As conour | Log Sum (col. W, col. X) dBA |      | Receptor-turbine combination for 4th column | Receptor-turbine combination for 5th column |
|--------|----|-----|--------------------|---------------|------|-----|-----------------|--------------------------------------|--------------------|-----------|------------------------------|------|---|---|
| Vlr    |    | 350 | 32.2               |               | Vlr  | 350 |                 | 32.20                                | -3.2               | 32.20     | 32.20                        | 0.00 |   |   |
| Vlr    |    | 351 | 34.5               |               | Vlr  | 351 |                 | 34.50                                | 4.3                | 34.50     | 34.50                        | 0.00 |   |   |
| Vlr    |    | 352 | 35.3               |               | Vlr  | 352 |                 | 35.30                                | 11.2               | 35.32     | 35.32                        | 0.00 |   |   |
| Vlr    |    | 376 | 26.9               |               | Vlr  | 376 |                 | 26.90                                | -7.2               | 26.90     | 26.90                        | 0.00 |   |   |
| Res    |    | 377 | 26                 |               | Res  | 377 |                 | 26.00                                | -4.5               | 26.00     | 26.00                        | 0.00 |   |   |
| Res    |    | 378 | 25.3               |               | Res  | 378 |                 | 25.30                                | -4.7               | 25.30     | 25.30                        | 0.00 |   |   |
| Res    |    | 380 | 25.8               |               | Res  | 380 |                 | 25.80                                | -8.5               | 25.80     | 25.80                        | 0.00 |   |   |
| Res    |    | 381 | 25.2               |               | Res  | 381 |                 | 25.20                                | -8.7               | 25.20     | 25.20                        | 0.00 |   |   |
| Res    |    | 382 | 26.3               |               | Res  | 382 |                 | 26.30                                | -11.5              | 26.30     | 26.30                        | 0.00 |   |   |
| Vlr    |    | 383 | 26.7               |               | Vlr  | 383 |                 | 26.70                                | -12.4              | 26.70     | 26.70                        | 0.00 |   |   |
| Vlr    |    | 384 | 28.3               |               | Vlr  | 384 |                 | 28.30                                | -4.4               | 28.30     | 28.30                        | 0.00 |   |   |
| Res    |    | 385 | 27.3               |               | Res  | 385 |                 | 27.30                                | -4.6               | 27.30     | 27.30                        | 0.00 |   |   |
| Res    |    | 389 | 26.5               |               | Res  | 389 |                 | 26.50                                | -7.2               | 26.50     | 26.50                        | 0.00 |   |   |
| Res    |    | 390 | 26.6               |               | Res  | 390 |                 | 26.60                                | -7.1               | 26.60     | 26.60                        | 0.00 |   |   |
| Res    |    | 391 | 27.2               |               | Res  | 391 |                 | 27.20                                | -7.1               | 27.20     | 27.20                        | 0.00 |   |   |
| Vlr    |    | 392 | 26.5               |               | Vlr  | 392 |                 | 26.50                                | -7.2               | 26.50     | 26.50                        | 0.00 |   |   |
| Vlr    |    | 393 | 27.8               |               | Vlr  | 393 |                 | 27.80                                | -7.1               | 27.80     | 27.80                        | 0.00 |   |   |
| Res    |    | 394 | 28.2               |               | Res  | 394 |                 | 28.20                                | -7.1               | 28.20     | 28.20                        | 0.00 |   |   |
| Res    |    | 395 | 26.4               |               | Res  | 395 |                 | 26.40                                | -7.1               | 26.40     | 26.40                        | 0.00 |   |   |
| Res    |    | 397 | 26.6               |               | Res  | 397 |                 | 26.60                                | -7.1               | 26.60     | 26.60                        | 0.00 |   |   |
| Res    |    | 398 | 26.9               |               | Res  | 398 |                 | 26.90                                | -7.1               | 26.90     | 26.90                        | 0.00 |   |   |
| Res    |    | 399 | 27.1               |               | Res  | 399 |                 | 27.10                                | -7.1               | 27.10     | 27.10                        | 0.00 |   |   |
| Res    |    | 400 | 27.1               |               | Res  | 400 |                 | 27.10                                | -7.1               | 27.10     | 27.10                        | 0.00 |   |   |
| Res    |    | 401 | 26.6               |               | Res  | 401 |                 | 26.60                                | -7.1               | 26.60     | 26.60                        | 0.00 |   |   |
| Vlr    |    | 402 | 26.7               |               | Vlr  | 402 |                 | 26.70                                | -7.1               | 26.70     | 26.70                        | 0.00 |   |   |
| Vlr    |    | 403 | 26.8               |               | Vlr  | 403 |                 | 26.80                                | -7.1               | 26.80     | 26.80                        | 0.00 |   |   |
| Vlr    |    | 404 | 27                 |               | Vlr  | 404 |                 | 27.00                                | -7.1               | 27.00     | 27.00                        | 0.00 |   |   |
| Vlr    |    | 405 | 27                 | 13.1          | Vlr  | 405 | 16.1            | 27.17                                | -7.1               | 27.00     | 27.17                        | 0.17 | 405-T15                                     |   |
| Res    |    | 406 | 26.8               | 20.1          | Res  | 406 | 23.1            | 27.64                                | -5.7               | 26.80     | 27.64                        | 0.84 | 406-T15                                     |   |
| Res    |    | 407 | 26.6               | 12.9          | Res  | 407 | 15.9            | 26.78                                | -7.1               | 26.60     | 26.78                        | 0.18 | 407-T15                                     |   |
| Res    |    | 409 | 27.2               |               | Res  | 409 |                 | 27.20                                | -7.1               | 27.20     | 27.20                        | 0.00 |   |   |
| Res    |    | 410 | 27.5               |               | Res  | 410 |                 | 27.50                                | -7.1               | 27.50     | 27.50                        | 0.00 |   |   |
| Res    |    | 411 | 27.8               |               | Res  | 411 |                 | 27.80                                | -7.1               | 27.80     | 27.80                        | 0.00 |   |   |
| Res    |    | 412 | 27.7               |               | Res  | 412 |                 | 27.70                                | -10.9              | 27.70     | 27.70                        | 0.00 |   |   |
| Res    |    | 413 | 27.5               |               | Res  | 413 |                 | 27.50                                | -10.7              | 27.50     | 27.50                        | 0.00 |   |   |
| Res    |    | 414 | 27.4               |               | Res  | 414 |                 | 27.40                                | -7.1               | 27.40     | 27.40                        | 0.00 |   |   |
| Res    |    | 415 | 27.2               |               | Res  | 415 |                 | 27.20                                | -7.1               | 27.20     | 27.20                        | 0.00 |   |   |
| Vlr    |    | 416 | 27.6               |               | Vlr  | 416 |                 | 27.60                                | -7.1               | 27.60     | 27.60                        | 0.00 |   |   |
| Vlr    |    | 417 | 28                 |               | Vlr  | 417 |                 | 28.00                                | -11                | 28.00     | 28.00                        | 0.00 |   |   |
| Res    |    | 418 | 27.5               |               | Res  | 418 |                 | 27.50                                | -8.4               | 27.50     | 27.50                        | 0.00 |   |   |
| Res    |    | 419 | 27.5               |               | Res  | 419 |                 | 27.50                                | -7.1               | 27.50     | 27.50                        | 0.00 |   |   |
| Res    |    | 420 | 27.4               |               | Res  | 420 |                 | 27.40                                | -7.1               | 27.40     | 27.40                        | 0.00 |   |   |
| Res    |    | 421 | 27.2               |               | Res  | 421 |                 | 27.20                                | -7.1               | 27.20     | 27.20                        | 0.00 |   |   |
| Res    |    | 422 | 27                 | 14.7          | Res  | 422 | 17.7            | 27.43                                | -2.2               | 27.01     | 27.43                        | 0.43 | 422-T14                                     | 422-T15                                     |
| Vlr    |    | 425 | 26.9               |               | Vlr  | 425 |                 | 26.90                                | -2.3               | 26.91     | 26.91                        | 0.00 |   |   |
| Vlr    |    | 439 | 26.7               |               | Vlr  | 439 |                 | 26.70                                | -1.3               | 26.71     | 26.71                        | 0.00 |   |   |
| Vlr    |    | 440 | 26.7               |               | Vlr  | 440 |                 | 26.70                                | -1.4               | 26.71     | 26.71                        | 0.00 |   |   |
| Vlr    |    | 450 | 27.2               |               | Vlr  | 450 |                 | 27.20                                | -4.4               | 27.20     | 27.20                        | 0.00 |   |   |
| Vlr    |    | 451 | 27.3               |               | Vlr  | 451 |                 | 27.30                                | -4.1               | 27.30     | 27.30                        | 0.00 |   |   |
| Vlr    |    | 452 | 27.7               |               | Vlr  | 452 |                 | 27.70                                | -4                 | 27.70     | 27.70                        | 0.00 |   |   |
| Vlr    |    | 453 | 26.9               |               | Vlr  | 453 |                 | 26.90                                | -4.4               | 26.90     | 26.90                        | 0.00 |   |   |
| Vlr    |    | 454 | 26.8               |               | Vlr  | 454 |                 | 26.80                                | -4.3               | 26.80     | 26.80                        | 0.00 |   |   |
| Vlr    |    | 455 | 26.6               |               | Vlr  | 455 |                 | 26.60                                | -4.4               | 26.60     | 26.60                        | 0.00 |   |   |
| Vlr    |    | 456 | 26.4               |               | Vlr  | 456 |                 | 26.40                                | -1.3               | 26.41     | 26.41                        | 0.00 |   |   |
| Vlr    |    | 458 | 27.6               |               | Vlr  | 458 |                 | 27.60                                | -3.9               | 27.60     | 27.60                        | 0.00 |   |   |
| Vlr    |    | 459 | 27.2               |               | Vlr  | 459 |                 | 27.20                                | -4                 | 27.20     | 27.20                        | 0.00 |   |   |
| Vlr    |    | 460 | 26.8               |               | Vlr  | 460 |                 | 26.80                                | -4.2               | 26.80     | 26.80                        | 0.00 |   |   |
| Vlr    |    | 461 | 26.6               |               | Vlr  | 461 |                 | 26.60                                | -4.3               | 26.60     | 26.60                        | 0.00 |   |   |
| Vlr    |    | 462 | 26.3               |               | Vlr  | 462 |                 | 26.30                                | -4.5               | 26.30     | 26.30                        | 0.00 |   |   |
| Vlr    |    | 465 | 27.4               |               | Vlr  | 465 |                 | 27.40                                | -4.2               | 27.40     | 27.40                        | 0.00 |   |   |
| Vlr    |    | 472 | 26.6               |               | Vlr  | 472 |                 | 26.60                                | -0.5               | 26.61     | 26.61                        | 0.00 |   |   |
| Vlr    |    | 473 | 27.2               | 13.5          | Vlr  | 473 | 16.5            | 27.38                                | -2.1               | 27.21     | 27.39                        | 0.18 | 473-T15                                     |   |
| Vlr    |    | 474 | 38.6               |               | Vlr  | 474 |                 | 38.60                                | 0.3                | 38.60     | 38.60                        | 0.00 |   |   |
| EDU711 |    | 475 | 38.6               |               |      | 475 |                 | 38.60                                | 34.4               | 39.999    | 39.999                       | 0.00 |   |   |



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Attachment H

Vacant Lot Receptor Clarifications

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**Vacant Lot Receptor Clarifications Requested by MOE**

| <b>Receptor<br/>(Old EDU ID)</b> | <b>Receptor Status</b> | <b>Comments</b>   |
|----------------------------------|------------------------|---|
| EDU 699                          | New ID = R474          | There is a woodlot present with some buildable area according to the zoning by-law, the placement of the receptor is based on the zoning by-law and the adjacent lots.<br>- Screenshot provided   |
| EDU 709                          | Deleted                | The lot has an existing receptor 615 (new ID = R330) so EDU 709 was deleted from the receptor list.<br>- Screenshot provided  |
| EDU 710                          | New ID = R30           | This receptor was located based on being a similar depth to adjacent lots along Grey Road 4.  |
| EDU 711                          | New ID = R475          | The vacant lot with EDU 711 was reviewed by legal counsel to determine whether it should be retained as a vacant lot requiring a receptor. Based on the PIN and according to PIN maps available to us in Teraview, the Property is contiguous and forms a parcel having single ownership (which has an existing house identified as a receptor). The fact that Teraview showed no separate parcel and there was no separate PIN for the Severed Parcel led to deletion of Receptor 711.<br><br>Upon further legal review it was determined that, even though there is no separate parcel shown and no separate PIN, the lot should be considered a severed lot. Therefore in the noise report this was treated as a vacant lot and thus a new receptor number was assigned. EDU 711 is now the vacant lot receptor R475.<br>- Screenshot provided |
| EDU 712                          | New ID = R71           | This receptor was located based on a generalized average depth of the existing receptors in the area.   |
| EDU 735                          | New ID = R208          | This receptor was placed erroneously in a hedge row and was shifted slightly east to the buildable area.<br>- Screenshot provided   |
| EDU 736                          | New ID = R161          | This receptor was placed in a woodlot and due to this environmental condition was shifted west to be out of the woodlot and in a buildable area.<br>- Screenshot provided   |
| EDU 766                          | New ID = R77           | In areas where a number of parcels are vacant, central placement of VLRs was done, given the 'bump' in the road, this VLR appears to be deeper in the lot in contrast, however maintains a similar depth when measured from its perpendicular front lot line, with the adjacent VLRs. The receptor was shifted to the west.<br>- Screenshot provided  |
| EDU 802                          | New ID = R352          | Based on the environmental features present and the neighbouring lots, the receptor was moved closer to the road.<br>- Screenshot provided  |
| EDU 1028                         | No vacant lot receptor | This lot is landlocked and located along an unopened right of way and therefore there is no direct access to the lot.<br>- Screenshot provided  |
| EDU 1088                         | No vacant lot receptor | This lot is the former landfill site and must remain vacant for at least 25 years as a result of the closure Plan (as indicated in correspondence from Mike Glass MOE (July 2012)). No screenshot is provided since the landfill is not visible on the aerial photo.  |

**Vacant Lot Receptor Clarifications Requested by MOE**

| Receptor<br>(Old EDU ID)                  | Receptor Status                   | Comments   |
|---|-----------------------------------|--|
| EDU 1346                                  | No vacant lot receptor            | This lot is landlocked and located along an unopened right of way and therefore there is no direct access to the lot.<br>- Screenshot provided   |
| Turbine T8 –<br>lots north &<br>northeast |                                   | For the vacant lot <u>north</u> of T8, no receptor was placed since the lot is not located along an opened right of way. For the lots <u>northeast</u> of T8 there are no vacant lots within proximity. This is only a description so no screenshot has been provided.   |
| Turbine T10 –<br>lots east & west         |                                   | All vacant lot receptors <u>east</u> and <u>west</u> of T10 were placed on average frontage depth and in conformity with the Zoning By-law requirements. This is only a description so no screenshot has been provided.  |
| R93                                       | R93 - revised vacant lot receptor | Some changes have been made to the collection line and even though we have an option to place infrastructure on the property, it now appears that the collection line will likely remain in the road right-of-way along the lot containing receptor 93. Upon discussions with the landowner they have indicated that the “structure” we showed as R93 is a 10’ x 10’ cabin that the landowner erected and uses as a shelter when swimming in the creek. There is no electricity or plumbing. Based on this it was determined that this did not meet the criteria to be an existing receptor. We have now identified this to be a vacant lot and we have placed a vacant lot receptor on this lot. The location of the revised 93 receptor is based on the depth of adjacent receptors, as well as being placed within proximity to an existing ingress/egress location onto the site. It is beyond 550 metres from Turbine 11, and is on lands which are zoned to permit a residential dwelling. The sound level at the vacant lot receptor is estimated to be below 40 dBA. |
| R294                                      | Deleted                           | The lot containing R294 is a large sized lot that initially contained two receptors (R92 and R294). One is located north of the old railway line (R92) and the other receptor is located south of the old railway line (R294). Both receptors have road access and it is not uncommon for a large lot to have two receptors (supplementary farm dwellings are often permitted in many rural communities). This lot has turbine T6 along with the collection line and access road for T6 and also a portion of the collection line and access road for turbine T7. Upon additional review it would seem that R294 is an implement shed and not a receptor and thus it was removed from the receptor list.<br>- Screenshot provided  |

**Vacant Lot Receptor Clarifications Requested by MOE**

Screenshot - EDU699



**(Note: lot lines are in orange)**



**Vacant Lot Receptor Clarifications Requested by MOE**

**Screenshot- EDU709**



**(Note: lot lines are in orange)**

## Vacant Lot Receptor Clarifications Requested by MOE

### Screenshot - EDU711



**(Note: lot lines are in orange)**

**Frontage location (and why it isn't centrally located):** The driveway is centrally located, and a dwelling would commonly be located just off the driveway. Second, there appears to be some grade change (based on the shading of the aerial) and we tried to keep it as central as possible, while avoiding the (what appears to be) topographical depression on the site.



**Vacant Lot Receptor Clarifications Requested by MOE**

**Depth:** Was based on the average depths of the dwellings within proximity of the subject site (notwithstanding EDU456 – it is an anomaly based on the average front yard depth).



**Vacant Lot Receptor Clarifications Requested by MOE**

**Screenshot - EDU735 and EDU736**



**(Note: lot lines are in orange)**

**Vacant Lot Receptor Clarifications Requested by MOE**

**Screenshot - EDU766**



**(Note: lot lines are in orange)**



**Vacant Lot Receptor Clarifications Requested by MOE**

Screenshot - EDU802



**(Note: lot lines are in orange)**

**Vacant Lot Receptor Clarifications Requested by MOE**

**Screenshot - EDU1028**



**(Note: lot lines are highlighted in green and adjacent lot lines are orange)**



**Vacant Lot Receptor Clarifications Requested by MOE**

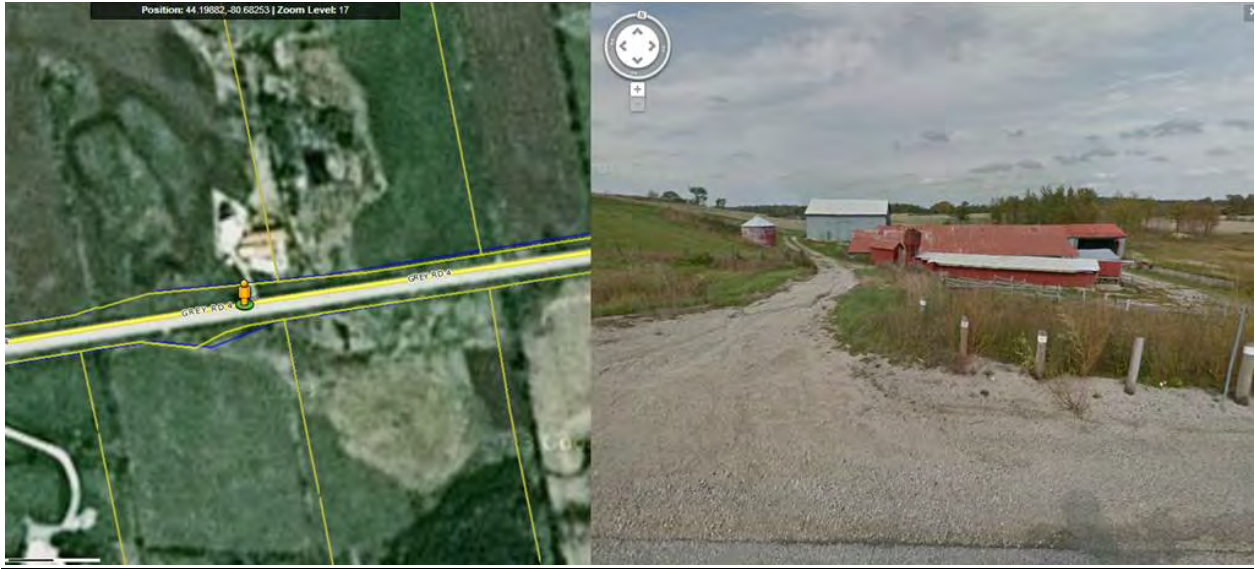
**Screenshot - EDU1346**



**(Note: lot lines are highlighted in green and adjacent lot lines are orange)**

**Vacant Lot Receptor Clarifications Requested by MOE**

**Screenshot - R294**



**(Note: shows the structures to be only implement sheds)**

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Attachment I

East Durham Wind Shear Data

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## East Durham Wind Energy Centre – Wind Shear Data

|                                 | <b>Met 9013</b>              |                        |
|---------------------------------|------------------------------|------------------------|
| <b>Period of Record</b>         | <b>10/3/2007 - 5/13/2013</b> |                        |
| <b>Analysis Period</b>          | Full Period                  | 2300-0700 LT (Jul-Sep) |
| <b>Average Wind Speed (80m)</b> | 6.79 m/s                     | 6.20 m/s               |
| <b>Average Shear (49-41m)</b>   | 0.193                        | 0.341                  |

(**Note:** The 41-49m shear is the wind shear (rate at which wind speed changes with height) calculated between the two uppermost sensors located at a height of 41m and 49m on the East Durham met tower number 9013. Per industry standard practice, the calculated 41-49m shear rate is the basis for extrapolating the wind speed values from the 49m sensor up to the 80m hub height of the wind turbine.)

### Met Tower 9013 Location

- Turbine is located south of Turbine T4
- Coordinates are: 44.19706, -80.706989



