SPIRE ENVIRONMENTAL
NOISE, VIBRATION AND AIR QUALITY CONSULTANTS

Viridor Waste Management Limited

Proposed Operating Hours Extension to the Materials Recycling Facility (MRF) at Masons Landfill Site Great Blakenham, Suffolk

Noise impact assessment

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Contents

Tables

Figures

Appendix

A1 Blueleights Caravan Park (daytime & evening periods)

A2 Blueleights Caravan Park (night-time period)

A3 Chalk Hill Lane (daytime & evening periods)

A4 Chalk Hill Lane (night-time period)

A5 Site Entrance (daytime & evening periods)

A6 Site Entrance (night-time period)

A7 Chapel Lane (daytime & evening periods)

A8 Chapel Lane (night-time period)

A9 Southern Site Boundary (daytime & evening periods)

A10 Southern Site Boundary (night-time period)

1.0 Introduction

1.1 Viridor Waste Management Limited are currently operating a Materials Recycling Facility (MRF) at Masons Landfill in Great Blakenham, Suffolk.

1.2 The Materials Recycling Facility (MRF) at Masons Landfill currently operates with the benefit of planning permissions MS/1185/15 and SCC/0057/18MS.

1.3 This report seeks to determine whether additional specified operations can be undertaken outside of the hours currently permitted by conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively, without adverse noise impacts at the closest sensitive receptors.

1.4 Noise monitoring was conducted between 4th and 10th June 2020 at locations representative of the noise sensitive receptors specified in the planning permissions.

1.5 The noise levels of the additional operations have been measured on site. They have been used to predict the noise levels of those operations at the sensitive receptors, in order to determine if the site can continue to operate within the noise limits specified in the existing planning conditions.

2.0 Planning Conditions

2.1 Masons Materials Recycling Facility (MRF) currently operates with the benefit of planning permissions MS/1185/15 and SCC/0057/18MS.

a) Planning permission Ref: MS/1185/15

2.2 Planning permission ref MS/1185/15 was granted on 11th June 2015 and was the latest in a series of Section 73 applications which varied conditions attached to the initial development of the MRF.

2.3 Condition 4 attached to planning permission MS/1185/15 relates to permitted noise limits and states that:

"Noise from the Materials Recycling Facility shall not exceed the following noise levels at the Following locations and times as identified on the attached plan:

Residential premises at Blueleighs Caravan Park (Location 1) and Chalk Hill Lane (Location 2):
07:00 - 19:00 49 dB LA eq, 1hr
19:00 - 22:00 47 dB LA eq , 1hr
22:00 - 07:00 42 dB LA eq, 15min

Residential Premises at Chapel Lane (Location 3):
07:00 - 19:00 55 dB LA eq, 1hr
19:00 - 22:00 55 dB LA eq, 1hr
22:00 - 07:00 dB LA eq, 15 min

Residential Promises at Wainwright Gardens (Location 4):
07:00 - 19:00 52 dB LA eq, 1hr
19:00 - 22:00 49 dB LA eq, 1hr
22:00 - 07:00 42 dB LA eq, 15 min

Residential Promises at Cottage Farm (Location 5):
07:00 - 19:00 48 dB LA eq, 1hr
19:00 - 22:00 45 dB LA eq, 1hr
22:00 - 07:00 42 dB LA eq, 15 min

Residential Promises at Blakenham Fields Development (Location 6):
07:00 - 19:00 55 dB LA eq, 1hr
19:00 - 22:00 55 dB LA eq, 1hr
22:00 - 07:00 42 dB LA eq, 15 min"

2.4 In addition, Condition 8 of planning permission MS/1185/15 restricts the permitted operating hours as follows:

"The Materials Recycling Facility shall operate only between the following hours:

a) Receipt of wastes 07:00 to 20:00, Monday to Saturday
b) Recycling operations 05:00 to 01:00, Monday to Sunday (Allowing continuous operations from 05:00 Monday to 01:00 Sunday, with no operations between 01:00 Sunday and 05:00 Monday)
c) Plant maintenance 06:00 to 23:00 Monday to Saturday.
d) Waste Vehicles leaving the site 07:00 to 20:00 Monday to Saturday

There shall be no receipt of waste or recycled materials on Christmas Day, Boxing Day or New Year`s Day".

b) Planning Permission Ref: SCC/0057/18MS

2.5 Planning permission ref SCC/0057/18MS was granted on 27th September 2018 for the erection of extensions to the existing MRF building and associated works.

2.6 Pre-commencement conditions attached to the planning permission were discharged and the approved development has been implemented and is now operational.

2.7 Condition 4 of planning permission SCC/0057/18MS is identical to condition 4 attached to planning permission MS/1185/15 and requires that noise arising from the operation of the MRF shall not exceed the previously specified noise levels at the six measurement locations.

2.8 Similarly, condition 7 of planning permission SCC/0057/18MS is identical to condition 8 of planning permission MS/1185/15 and places restrictions upon the periods within which specified operations at the MRF may take place.

c) Planning Implications

2.9 If Viridor wishes to carry out additional specified operations at the MRF, outside of the hours currently permitted by conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively, the variation of both conditions will first be required and it will be necessary to demonstrate that, if such variations were to be permitted, the use could continue to operate within the noise limits set by condition 4 of both permissions.

3.0 Proposed Operations

3.1 In accordance with part b condition 8 of planning permission MS/1185/15 and part b of condition 7 of planning permission SCC/0057/18MS, the Material Recycling Facility (MRF) is not permitted to operate between 01:00 hours on Sunday until 05:00 hours on Monday.

3.2 Viridor are proposing to operate the MRF during this period. During this extended period, the conveyors inside the building will continue to be loaded using a static vehicle (i.e. a fixed unit with a grab arm that can rotate 360 degrees), the conveyors will be operating, and material will be bulked up into bales inside the existing MRF building. The bales will then be moved into the storage area in the yard using a grab truck. This would require an amendment to part b of conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively.

3.3 With reference to part d of conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively, waste vehicles are not permitted to leave the MRF site after 20:00 hours Monday to Saturday.

3.4 In addition to the additional MRF operations outlined in Section 3.2 (above), Viridor also wishes to have the flexibility for up the 6 curtain sider HGV`s (or similar) to arrive and leave the site between 20:00 and 07:00 hours 7-days a week. These vehicles would arrive empty, would be loaded with baled waste by a grab truck in the yard area and would then depart for an onward off-site destination.

4.0 Noise Surveys

4.1 Background Noise Survey

4.1.1 The existing planning permissions MS/1185/15 and SCC/0057/18MS, specify noise limits at six residential receptors. As the current noise survey was conducted during the Covid-19 pandemic, social distancing measures were in place. As a consequence, we were unable to access some of the residential properties previously included in the 2018 survey.

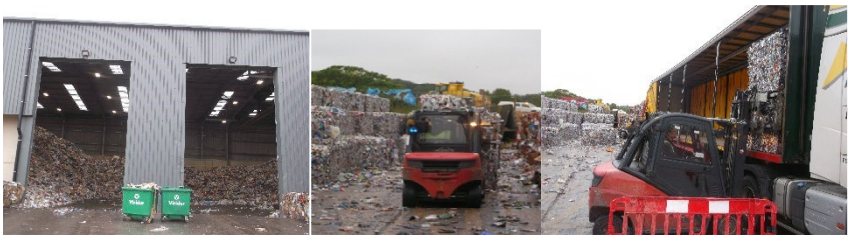
4.1.2 Alternative proxy locations were suggested and forwarded to Mr Andy Rutson-Edwards, Senior Environmental Protection Officer at Babergh and Mid Suffolk District Council. On May 29, 2020, Mr Rutson-Edwards confirmed *"I have no objections to these positions being used for the 2020 survey".* The noise survey locations used are shown in Figure 1.

4.1.3 The 7-day background noise measurements were undertaken using a Cirrus 1710 Type 1 sound level meters (serial numbers G056077, G056483, G056773, G061853 and G061742). The sound level meters were calibrated with a Cirrus CR 515 calibrator (serial number 64316) at the start and end of the survey period. There was no variation in the calibration level. The measurements were obtained in free field conditions with the sound level meter on a tripod at a height of 1.2m above the ground.

4.2 On site noise measurements

4.2.1 Short-term noise measurements were taken of the site activities that are proposed to take place outside of the currently permitted hours. These are as follows:

- Outside shutter door to MRF @ 10m (MRF operating/conveyors loading/material bulked up)
- Grab truck placing baled material in yard @ 10m
- Grab truck loading curtain side HGV in yard @ 10m



Pictures 1 to 3 left to right – Outside MRF building, Grab truck placing material and loading HGV

4.2.2 The short term noise measurements referred to above were taken on Tuesday 9th June 2020, using Cirrus type 1 sound level meter (G061853), tripod mounted at a height of 1.2m above the ground. The sound level meter was calibrated with a Cirrus CR 515 calibrator (serial number 64316) at the start and end of the survey period. There was no variation in the calibration level. The noise measurement locations are shown in Figure 2.

4.3 Weather conditions

Date	Average temperature °C	Average Wind speed (m/s)	Wind direction	Precipitation
Thursday 4th June	13	4	NW	Light rain
Friday 5th June	12	6	SW	Light rain
Saturday 6th June	11	8	SW	Rain
Sunday 7th June	12	3	NW	None
Monday 8th June	12	3	NW	Light rain
Tuesday 9th June	11	3	SE	None
Wednesday 10th June	12	3	SE	Light rain

Table 1 – Weather conditions during the survey periods

4.3.1 The weather conditions table (above), show the average temperature, wind speed, direction, and precipitation during the survey period (4th – 10th June 2020).

4.3.2 The wind speeds on Friday 5th & Saturday 6th were above 5m/s, therefore in accordance with BS 7335, these measurements will not be included in the noise assessment report.

4.3.3 The results of the noise survey are presented in full in Appendix A1 – A10.

5.0 Noise Assessment

5.1 Introduction

5.1.1 Environmental noise monitoring was conducted at five locations, representative of the six residential receptors outlined in condition 4 of planning permissions MS/1185/15 and SCC/0057/18MS

5.1.2 The environmental noise surveys were conducted for a continuous period between 11:00 hours on Thursday 4th June until 15:00 hours on Wednesday 10th June 2020. These are shown in Appendix A1 – A10.

5.1.3 Viridor are seeking to extend the operating hours of their existing activities during the specified periods outlined in Section 3.0 of this report.

5.1.4 These noise levels of these additional activities will be predicted to the six residential receptors identified in the existing planning permissions and assessed according to the relevant noise limits during the daytime, evening, and night-time periods.

5.2 Background Noise Levels During Proposed MRF operations

5.2.1 Viridor are proposing to undertake recycling operations at the MRF between the additional period of 01:00 hours on Sunday until 05:00 hours on Monday.

5.2.2 This extended period includes the night-time periods (01:00 to 07:00 and 22:00 to 05:00) hours. The following daytime (07:00 to 19:00), evening (19:00 to 22:00) periods.

5.2.3 A summary of the measured noise levels obtained during these periods is shown in Tables 2 to 4 (below). It is important to note that the measured noise levels referred to in Tables 2 to 4 were obtained when the MRF was not in operation.

Receptor	dB $L_{Aeq,15min}$	Noise Limit dB $L_{Aeq,15min}$	Noise Limit Currently Exceeded
Blueleights Caravan Park	24 – 55 (45)	42	Yes
Chalk Hill Lane	30 – 55 (45)	42	Yes
Chapel Lane	39 – 64 (58)	42	Yes
Wainright Gardens (as Chalk Hill Lane)	30 – 55 (45)	42	Yes
Cottage Farm (southern site boundary)	22 – 42 (32)	42	No
Blakenham Fields (site entrance)	35 – 58 (52)	42	Yes

Table 2 – Existing noise levels during proposed extended night-time recycling plant operations (01:00 – 07:00 Sunday 7th June) & (22:00 Sunday 7th June – 05:00 Monday 8th June)

5.2.4 During the specified night-time periods in Table 2 (above), when taking account, the logarithmic average of the measured ambient noise levels (shown in brackets), the night-time noise limit of 42 dB $L_{Aeq,15min}$ was exceeded at Blueleights Caravan Park, Chalk Hill Lane, Chapel Lane, Wainright Gardens (as Chalk Hill Lane) and Blakenham Fields (site entrance).

Receptor	dB $L_{Aeq,1h}$	Noise Limit dB $L_{Aeq,1h}$	Noise Limit Currently Exceeded
Blueleights Caravan Park	42 – 46 (44)	49	No
Chalk Hill Lane	44 – 50 (47)	49	No
Chapel Lane	62 – 68 (67)	55	Yes
Wainright Gardens (as Chalk Hill Lane)	44 – 50 (47)	52	No
Cottage Farm (southern site boundary)	30 – 39 (36)	48	No
Blakenham Fields (site entrance)	57 – 64 (62)	55	Yes

Table 3 – Existing noise levels during proposed extended daytime recycling plant operations (07:00 – 19:00 Sunday 7th June)

5.2.5 Table 3 (above) shows a summary of the measured noise levels during the specified daytime period. When taking account, the logarithmic average noise levels (shown in brackets), the specified daytime noise limit of 55 dB $L_{Aeq,1h}$ was exceeded at Chapel Lane and Blakenham Fields (site entrance). The remaining receptors were below the specified limits.

Receptor	dB $L_{Aeq,1h}$	Noise Limit dB $L_{Aeq,1h}$	Noise Limit Currently Exceeded
Blueleights Caravan Park	41 – 49 (46)	47	No
Chalk Hill Lane	42 – 46 (45)	47	No
Chapel Lane	61 – 68 (65)	55	Yes
Wainright Gardens (as Chalk Hill Lane)	42 – 46 (45)	49	No
Cottage Farm (southern site boundary)	30 – 40 (37)	45	No
Blakenham Fields (site entrance)	55 – 60 (58)	55	Yes

Table 4 – Existing noise levels during proposed extended evening recycling plant operations (19:00 – 22:00 Sunday 7th June)

5.2.6 A summary of the measured noise levels during the specified evening period is shown in Table 4 (above). When taking account, the logarithmic average noise levels (shown in brackets), the specified evening noise limit of 55 dB $L_{Aeq,1h}$ was exceeded at Chapel Lane and Blakenham Fields (site entrance). The remaining receptors were below the specified limits.

5.3 Background Noise Levels During Proposed HGV Loading Operations

5.3.1 Viridor wishes to have the flexibility for up the 6 curtain sider HGV`s (or similar) to arrive, be loaded and leave the site between 20:00 and 07:00 hours 7-days a week.

5.3.2 This extended period includes the evening period (20:00 to 22:00) hours and night-time (22:00 to 07:00) hours. A summary of the existing measured noise levels obtained during these periods is shown in Tables 5 to 6 (below).

Receptor	dB $L_{Aeq,1h}$	Noise Limit dB $L_{Aeq,1h}$	Noise Limit Currently Exceeded
Blueleights Caravan Park	41 – 47 (45)	47	No
Chalk Hill Lane	42 – 52 (48)	47	Yes
Chapel Lane	61 – 64 (63)	55	Yes
Wainright Gardens (as Chalk Hill Lane)	42 – 52 (48)	49	No
Cottage Farm (southern site boundary)	30 – 57 (48)	45	Yes
Blakenham Fields (site entrance)	55 – 61 (60)	55	Yes

Table 5 – Existing noise levels during proposed extended evening HGV loading operations (20:00 – 22:00 Thursday 4th & Sunday 7th – Tuesday 9th June)

5.3.3 Table 5 (above) shows a summary of the measured noise levels during the specified evening period. When taking account, the logarithmic average noise levels (shown in brackets), the specified daytime noise limits of 47, 55, 45 and 55 dB $L_{Aeq,1h}$ were exceeded at Chalk Hill Lane, Chapel Lane, Cottage Farm (southern site boundary) and Blakenham Fields (site entrance). The remaining receptors were below the specified limits.

Receptor	dB $L_{Aeq,15min}$	Noise Limit dB $L_{Aeq,15min}$	Noise Limit Exceeded
Blueleights Caravan Park	25 – 55 (46)	42	Yes
Chalk Hill Lane	30 – 61 (49)	42	Yes
Chapel Lane	39 – 71 (62)	42	Yes
Wainright Gardens (as Chalk Hill Lane)	30 – 61 (49)	42	Yes
Cottage Farm (southern site boundary)	24 – 46 (38)	42	No
Blakenham Fields (site entrance)	38 – 67 (59)	42	Yes

Table 6 – Existing noise levels during proposed extended night-time HGV loading operations (22:00 – 07:00 Thursday 4th & Sunday 7th – Tuesday 9th June)

5.3.4 During the specified night-time periods in Table 6 (above), when taking account, the logarithmic average of the measured ambient noise levels (shown in brackets), the night-time noise limit of 42 dB $L_{Aeq,15min}$ was exceeded at Blueleights Caravan Park, Chalk Hill Lane, Chapel Lane, Wainright Gardens (as Chalk Hill Lane) and Blakenham Fields (site entrance).

5.4 Noise predictions

5.4.1 Noise measurements were taken at a distance of 10m outside the open shutter doors during the operation of the MRF, and during the operation of a grab truck moving material in the yard and loading a curtain side HGV. These measurements are shown in Tables 7 & 8 (below).

Receptor	MRF Sound pressure level @10m dB(A)	Distance from MRF (m)	Distance/ (soft ground) corrections	Predicted noise level from MRF dB(A)
Blueleights Caravan Park	62	740	-37.2 (-7.3)	17.5
Chalk Hill Lane	62	670	-36.4 (-7.1)	18.5
Chapel Lane	62	545	-34.6 (-6.7)	20.7
Wainright Gardens	62	585	-35.2 (-6.8)	20.0
Cottage Farm	62	645	-36.1 (-7.1)	18.8
1 River Way (Blakenham Fields)	62	605	-35.5 (-6.9)	19.6

Table 7 – MRF operational noise predictions

Receptor	2x Grab trucks Sound pressure level @10m dB(A)	Distance from grab trucks (m)	Distance/ (soft ground) corrections	Predicted noise level from Grab trucks dB(A)
Blueleights Caravan Park	59 + 59 =(62)	760	-37.5 (-7.4)	17.1
Chalk Hill Lane	59 + 59 =(62)	705	-36.8 (-7.2)	18.0
Chapel Lane	59 + 59 =(62)	585	-35.2 (-6.8)	20.0
Wainright Gardens	59 + 59 =(62)	630	-35.8 (-7.0)	19.2
Cottage Farm	59 + 59 =(62)	685	-36.6 (-7.2)	18.2
1 River Way (Blakenham Fields)	59 + 59 =(62)	560	-34.8 (-6.7)	20.5

Table 8 – Grab truck movements and HGV loading noise predictions

5.4.2 In order to present a worst-case scenario, the combined operation of the MRF and two grab trucks operation (1x baling in the yard/1x loading an HGV) have been included in the noise predictions. These have been assessed against the relevant daytime, evening, and night-time assessment periods. These are shown in Tables 9 to 11 (below).

Receptor	Noise Limit dB $L_{Aeq,1h}$	Existing ambient noise level dB(A)	2x Grab trucks & MRF dB(A)	Combined noise level dB(A)	Noise Limit Exceeded	Existing ambient noise level exceeded
Blueleights Caravan Park	49	44	17.5 + 17.1 =(20.3)	44	No	No
Chalk Hill Lane	49	47	18.5 + 18.0 =(21.3)	47	No	No
Chapel Lane	55	67	20.7 + 20.0 =(23.4)	67	Yes	No
Wainright Gardens	52	47	20.0 + 19.2 =(22.6)	47	No	No
Cottage Farm	48	36	18.8 + 18.2 =(21.5)	36	No	No
Blakenham Fields	55	62	19.6 + 20.5 =(23.1)	62	Yes	No

Table 9 – Combined daytime operations

Receptor	Noise Limit dB $L_{Aeq,1h}$	Existing ambient noise level dB(A)	2x Grab trucks & MRF dB(A)	Combined noise level dB(A)	Noise Limit Exceeded	Existing ambient noise level exceeded
Blueleights Caravan Park	47	45	17.5 + 17.1 =(20.3)	45	No	No
Chalk Hill Lane	47	45	18.5 + 18.0 =(21.3)	45	No	No
Chapel Lane	55	63	20.7 + 20.0 =(23.4)	63	Yes	No
Wainright Gardens	49	45	20.0 + 19.2 =(22.6)	45	No	No
Cottage Farm	45	37	18.8 + 18.2 =(21.5)	37	No	No
Blakenham Fields	55	58	19.6 + 20.5 =(23.1)	58	Yes	No

Table 10 – Combined evening operations

Receptor	Noise Limit dB $L_{Aeq,1h}$	Existing ambient noise level dB(A)	2x Grab trucks & MRF dB(A)	Combined noise level dB(A)	Noise Limit Exceeded	Existing ambient noise level exceeded
Blueleights Caravan Park	42	45	17.5 + 17.1 =(20.3)	45	Yes	No
Chalk Hill Lane	42	45	18.5 + 18.0 =(21.3)	45	Yes	No
Chapel Lane	42	58	20.7 + 20.0 =(23.4)	58	Yes	No
Wainright Gardens	42	45	20.0 + 19.2 =(22.6)	45	Yes	No
Cottage Farm	42	32	18.8 + 18.2 =(21.5)	32	No	No
Blakenham Fields	42	52	19.6 + 20.5 =(23.1)	52	Yes	No

Table 11 – Combined night-time operations

5.4.3 During the combined daytime operations (Table 9), the operation of 2x grab trucks and the MRF do not contribute to the existing measured ambient noise levels at the specified noise sensitive receptors. The specified noise limits at Chapel Lane and Blakenham Fields are exceeded, however this is not due to site operations.

5.4.4 Table 10 shows combined operations during the evening period. The operation of 2x grab trucks and the MRF do not contribute to the existing measured ambient noise levels at the specified noise sensitive receptors. The specified noise limits at Chapel Lane and Blakenham Fields are exceeded, however this is not due to site operations.

5.4.5 The combined night-time operations are shown in Table 11. The operation of 2x grab trucks and the MRF do not contribute to the existing measured ambient noise levels at the specified noise sensitive receptors. The specified noise limits at Blueleights Caravan Park, Chalk Hill Lane, Wainright Gardens and Blakenham Fields are exceeded, however this is not due to site operations.

5.4.6 Thus, the predicted noise levels of the specified plant were found not to contribute to the existing measured ambient noise levels, taken in the absence of plant operations during the evening and night-time periods. Therefore, any noise limit exceedances during these periods would not be due to the additional specified site operations proposed by Viridor.

6.0 Conclusions

6.1 An environmental assessment has been conducted in order to determine whether additional specified operations at the MRF can take place outside of the hours currently permitted by conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively.

6.2 Environmental noise monitoring was conducted for a continuous period between 4th and 10th June 2020, in order to determine the existing background noise levels during the daytime, evening and night-time periods at the closest noise sensitive receptors specified in the existing planning conditions.

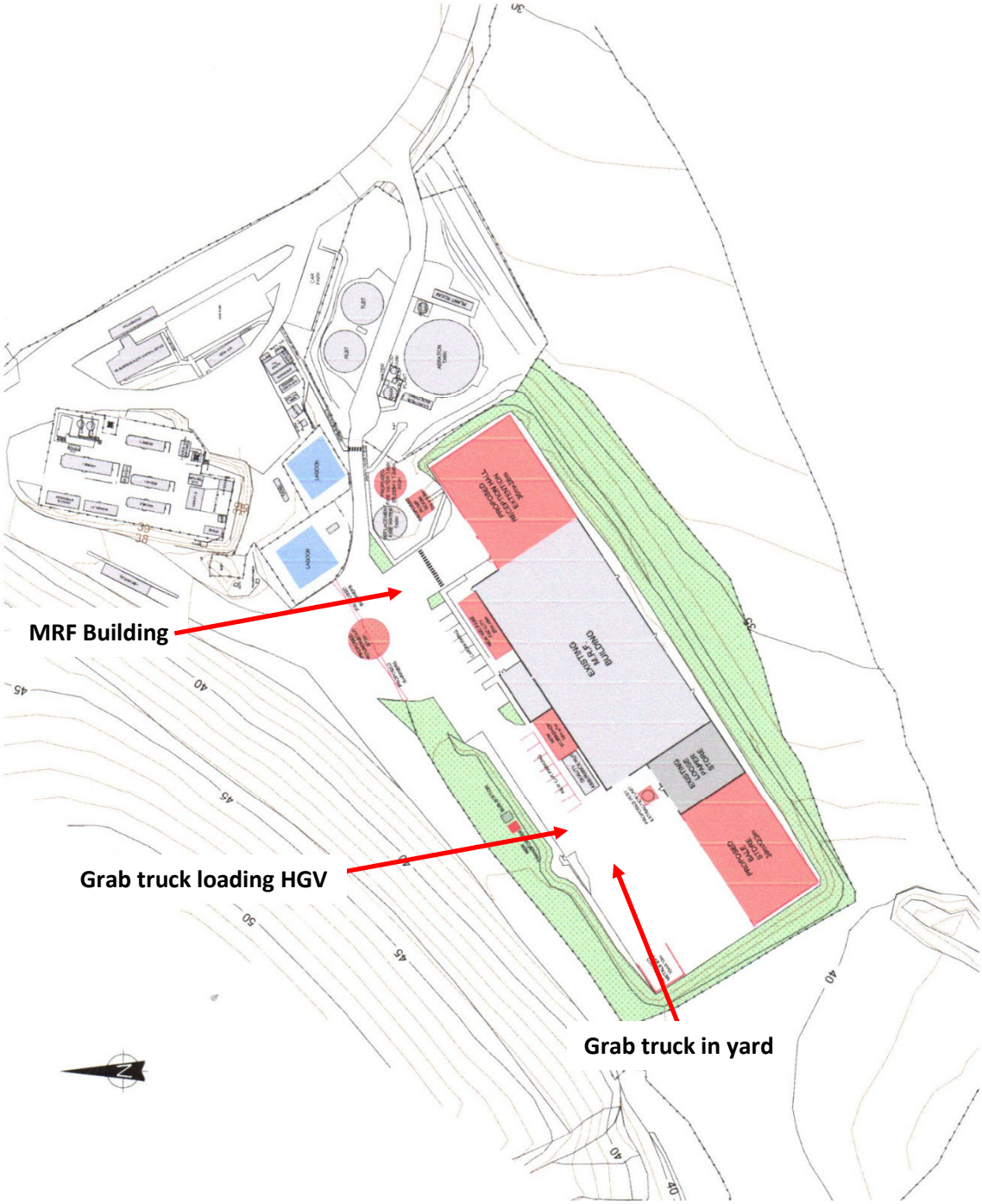
6.3 Short-term noise levels of the proposed additional operations were undertaken on site on 9th June 2020. These levels were then used to predict the noise levels of those activities at the closest noise sensitive receptors

6.4 In order to present a worst-case scenario, the additional specified operations were combined and assessed during the daytime, evening, and night-time periods. The predicted noise levels of the specified plant were found not to contribute to the existing measured ambient noise levels, taken in the absence of plant operations during the evening and night-time periods. Therefore, any noise limit exceedances during these periods would not be due to the additional specified site operations proposed by Viridor.

6.5 Thus, it is concluded that the additional specified operations can be undertaken outside of the hours currently permitted by conditions 8 and 7 of planning permissions MS/1185/15 and SCC/0057/18MS, respectively, without adverse noise impacts at the closest sensitive receptors

Figure 1 – Background Noise Monitoring Locations

Figure 2 – Site Monitoring Locations



Appendix A Background Noise Monitoring

Appendix A1 Blueleights Caravan Park (daytime & evening periods)

Appendix A1.1 – Thursday 4th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1100 – 1200	47.0	48.1	35.9	71.2
1200 – 1300	45.5	48.3	35.0	67.6
1300 – 1400	45.7	48.4	35.0	68.3
1400 – 1500	44.9	48.1	34.5	64.9
1500 – 1600	43.5	46.8	35.4	62.1
1600 – 1700	45.4	46.5	34.2	71.6
1700 – 1800	49.6	45.5	31.4	76.4
1800 – 1900	46.5	49.6	31.0	69.4

Appendix A1.2 – Thursday 4th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	47.2	46.2	29.0	70.0
2000 – 2100	44.8	48.6	27.6	72.6
2100 – 2200	43.4	43.4	26.8	68.2

Appendix A1.3 – Friday 5th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	44.0	44.7	35.2	67.5
0800 – 0900	45.7	46.7	34.2	72.1
0900 – 1000	47.0	50.3	36.4	76.9
1000 – 1100	48.0	50.2	40.2	77.8
1100 – 1200	45.0	47.3	36.3	71.1
1200 – 1300	48.2	49.1	37.2	73.2
1300 – 1400	45.4	47.5	35.5	69.4
1400 – 1500	51.8	55.1	34.8	72.6
1500 – 1600	48.8	52.7	36.5	69.7
1600 – 1700	49.7	54.6	36.6	70.1
1700 – 1800	47.4	50.7	35.4	75.2
1800 – 1900	45.5	49.2	33.5	67.4

Appendix A1.4 – Friday 5th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	41.8	44.0	31.2	66.1
2000 – 2100	47.7	51.5	32.9	68.6
2100 – 2200	47.2	46.1	27.0	72.8

Appendix A1.5 – Saturday 6th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	48.5	51.4	41.1	65.4
0800 – 0900	48.8	52.4	41.7	63.2
0900 – 1000	48.7	52.0	41.9	66.4
1000 – 1100	49.3	52.0	41.2	67.8
1100 – 1200	48.6	51.7	42.7	75.4
1200 – 1300	49.1	52.1	43.1	71.6
1300 – 1400	48.8	51.9	40.7	65.8
1400 – 1500	51.9	55.3	44.1	69.3
1500 – 1600	49.2	52.6	39.7	68.5
1600 – 1700	50.2	53.3	42.9	70.7
1700 – 1800	53.9	54.1	37.1	86.8
1800 – 1900	47.2	47.9	35.1	74.1

Appendix A1.6 – Saturday 6th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	50.5	49.9	32.8	74.3
2000 – 2100	43.1	46.6	30.7	65.6
2100 – 2200	43.8	44.8	28.4	76.7

Appendix A1.7 – Sunday 7th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	45.7	47.7	29.9	65.6
0800 – 0900	43.0	44.5	31.5	68.8
0900 – 1000	42.3	44.8	32.3	68.6
1000 – 1100	43.4	46.4	33.0	65.7
1100 – 1200	43.2	45.8	34.0	65.9
1200 – 1300	44.7	46.7	34.4	67.2
1300 – 1400	45.2	48.6	33.1	67.5
1400 – 1500	43.8	46.2	31.7	66.4
1500 – 1600	44.2	46.4	32.1	66.0
1600 – 1700	44.8	48.1	32.2	71.9
1700 – 1800	42.2	44.5	31.1	71.3
1800 – 1900	44.9	47.9	33.8	69.1

Appendix A1.8 – Sunday 7th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	48.5	50.2	32.5	69.5
2000 – 2100	44.4	47.7	30.3	65.6
2100 – 2200	41.2	42.7	27.7	66.9

Appendix A1.9 – Monday 8th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	44.6	46.5	37.5	75.7
0800 – 0900	43.6	46.2	36.8	71.5
0900 – 1000	46.5	48.1	36.4	70.3
1000 – 1100	48.8	51.1	37.9	72.6
1100 – 1200	45.8	48.0	37.4	68.0
1200 – 1300	47.1	49.8	37.8	68.3
1300 – 1400	45.6	48.1	37.1	63.1
1400 – 1500	45.9	47.5	36.6	70.1
1500 – 1600	45.4	45.4	35.8	70.2
1600 – 1700	49.9	47.6	36.6	76.6
1700 – 1800	43.3	47.2	35.7	62.2
1800 – 1900	45.2	46.8	34.6	70.9

Appendix A1.10 – Monday 8th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	42.8	43.9	33.7	64.8
2000 – 2100	45.0	43.9	31.7	69.1
2100 – 2200	44.1	46.6	30.5	65.3

Appendix A1.11 – Tuesday 9th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	47.6	49.5	36.8	77.0
0800 – 0900	47.2	50.4	36.0	70.2
0900 – 1000	49.5	54.1	35.4	69.4
1000 – 1100	47.5	49.7	35.6	71.1
1100 – 1200	52.8	50.7	35.3	79.1
1200 – 1300	52.0	51.7	35.9	78.4
1300 – 1400	50.9	50.7	41.5	80.2
1400 – 1500	49.2	49.9	37.7	77.3
1500 – 1600	46.4	48.6	42.5	62.0
1600 – 1700	48.7	50.6	42.5	75.1
1700 – 1800	46.8	47.4	40.0	72.4
1800 – 1900	45.3	46.9	38.5	69.0

Appendix A1.12 – Tuesday 9th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	48.5	48.6	37.4	71.7
2000 – 2100	44.2	45.3	37.6	66.6
2100 – 2200	47.1	45.8	38.1	77.0

Appendix A1.13 – Wednesday 10th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	48.3	49.9	44.0	73.8
0800 – 0900	49.8	51.2	44.8	72.0
0900 – 1000	49.2	51.0	46.2	66.3
1000 – 1100	51.2	52.8	48.6	75.5
1100 – 1200	53.5	53.9	46.0	85.0
1200 – 1300	51.5	51.3	43.7	77.1
1300 – 1400	52.6	52.7	43.9	76.5
1400 – 1500	51.9	51.8	42.2	75.6

Appendix A2 Blueleights Caravan Park (night-time period)

Appendix A2.1 – Thursday 4th June – Friday 5th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	32.3	34.3	27.4	46.7
2215 – 2230	31.4	32.6	26.5	44.3
2230 – 2245	29.5	31.1	27.4	40.4
2245 – 2300	50.0	36.0	28.5	74.9
2300 – 2315	30.9	32.6	27.5	43.4
2315 – 2330	42.9	37.9	27.9	60.5
2330 – 2345	33.6	32.8	28.2	54.8
2345 – 0000	31.6	34.2	28.5	41.2
0000 – 0015	30.5	32.3	28.0	37.0
0015 – 0030	30.5	31.3	27.3	47.8
0030 – 0045	30.2	31.9	28.0	34.8
0045 – 0100	30.0	31.3	28.2	43.2
0100 – 0115	30.1	32.0	27.4	36.4
0115 – 0130	29.1	30.5	27.3	34.2
0130 – 0145	27.6	30.0	24.5	37.6
0145 – 0200	26.6	28.4	24.7	32.8
0200 – 0215	33.8	37.0	26.3	38.3
0215 – 0230	30.0	32.3	26.7	35.9
0230 – 0245	29.7	31.4	27.3	36.2
0245 – 0300	30.1	32.4	26.5	39.0
0300 – 0315	36.6	39.2	32.1	48.0
0315 – 0330	41.3	46.4	30.8	48.8
0330 – 0345	42.1	45.9	34.6	50.0
0345 – 0400	40.4	44.6	31.3	51.7
0400 – 0415	48.4	51.6	41.6	58.0
0415 – 0430	50.9	55.6	38.7	60.6
0430 – 0445	51.2	55.6	36.0	61.5
0445 – 0500	49.5	53.3	34.5	64.5

Appendix A2.1 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	47.0	49.6	34.7	64.2
0515 – 0530	42.4	46.4	33.3	57.2
0530 – 0545	42.2	45.2	34.7	58.3
0545 – 0600	41.4	42.5	33.0	57.2
0600 – 0615	41.5	44.8	34.5	52.8
0615 – 0630	47.3	50.5	33.6	60.3
0630 – 0645	44.0	45.8	33.2	60.2
0645 – 0700	45.0	47.8	34.5	60.3

Appendix A2.2 – Friday 5th June – Saturday 6th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	32.7	31.0	25.1	51.3
2215 – 2230	29.1	30.4	26.9	44.2
2230 – 2245	35.7	35.5	28.5	52.5
2245 – 2300	29.3	31.0	26.8	38.3
2300 – 2315	29.5	31.9	26.3	41.1
2315 – 2330	28.8	30.4	26.9	35.8
2330 – 2345	29.1	30.7	26.8	38.5
2345 – 0000	29.8	29.9	25.6	44.4
0000 – 0015	27.1	28.7	25.4	33.6
0015 – 0030	32.1	29.6	25.0	54.9
0030 – 0045	28.5	30.5	25.3	38.8
0045 – 0100	27.7	29.5	25.1	36.3
0100 – 0115	27.6	29.1	25.6	34.5
0115 – 0130	27.6	29.7	25.0	38.2
0130 – 0145	26.5	28.0	24.8	32.8
0145 – 0200	25.5	27.2	23.7	31.2
0200 – 0215	27.2	29.1	24.2	32.5
0215 – 0230	29.0	31.1	25.5	42.4
0230 – 0245	29.4	31.3	27.1	37.3
0245 – 0300	30.1	32.2	27.7	35.9
0300 – 0315	29.0	30.5	27.3	34.8
0315 – 0330	29.8	31.5	27.4	38.3
0330 – 0345	34.0	37.4	28.3	46.9
0345 – 0400	56.8	61.1	38.3	72.0
0400 – 0415	53.8	58.4	40.9	64.8
0415 – 0430	49.2	52.4	34.9	61.7
0430 – 0445	47.5	48.8	34.6	62.4
0445 – 0500	45.9	45.7	34.6	70.3

Appendix A2.2 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	41.9	44.3	35.7	60.5
0515 – 0530	42.8	46.6	36.4	52.9
0530 – 0545	41.9	45.6	35.9	53.3
0545 – 0600	43.7	47.3	36.5	55.4
0600 – 0615	42.0	45.2	36.9	53.6
0615 – 0630	43.0	46.2	37.2	58.5
0630 – 0645	44.5	47.7	37.1	55.5
0645 – 0700	44.7	47.3	38.3	57.9

Appendix A2.3 – Saturday 6th June – Sunday 7th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	32.7	34.0	28.1	52.4
2215 – 2230	37.0	36.3	26.5	55.2
2230 – 2245	38.0	41.7	26.8	57.4
2245 – 2300	40.9	30.7	26.9	60.1
2300 – 2315	41.4	37.8	26.4	57.4
2315 – 2330	30.2	30.6	27.0	50.0
2330 – 2345	29.9	30.9	24.8	46.0
2345 – 0000	27.5	28.5	23.7	47.5
0000 – 0015	29.0	30.3	25.7	45.8
0015 – 0030	27.6	29.8	23.6	44.7
0030 – 0045	26.2	27.0	22.4	49.1
0045 – 0100	30.5	29.8	22.5	50.2
0100 – 0115	28.2	28.4	22.9	49.0
0115 – 0130	30.5	31.1	25.5	51.1
0130 – 0145	26.6	28.1	23.4	43.5
0145 – 0200	24.6	26.1	22.3	36.2
0200 – 0215	26.5	28.2	22.2	45.3
0215 – 0230	24.8	26.9	22.2	38.2
0230 – 0245	26.7	27.8	23.0	45.5
0245 – 0300	25.2	27.3	22.2	35.1
0300 – 0315	25.1	27.7	21.4	37.3
0315 – 0330	24.3	25.7	22.2	32.4
0330 – 0345	40.7	43.9	22.0	57.4
0345 – 0400	52.6	57.1	41.3	61.8
0400 – 0415	53.7	57.6	39.7	65.4
0415 – 0430	48.2	52.2	34.9	59.5
0430 – 0445	43.8	48.0	31.6	56.9
0445 – 0500	43.9	47.4	32.2	58.2

Appendix A2.3 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	41.6	46.1	31.6	53.7
0515 – 0530	44.0	46.5	30.7	60.4
0530 – 0545	38.8	43.0	30.4	57.0
0545 – 0600	44.4	43.6	30.5	62.2
0600 – 0615	47.7	52.4	30.8	62.0
0615 – 0630	47.6	51.3	31.2	62.8
0630 – 0645	39.2	40.7	30.8	59.1
0645 – 0700	37.2	40.3	30.4	52.6

Appendix A2.4 – Sunday 7th June – Monday 8th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	28.9	30.9	26.6	37.2
2215 – 2230	31.5	33.7	27.9	41.5
2230 – 2245	29.3	31.6	26.3	44.0
2245 – 2300	31.6	33.1	26.0	50.6
2300 – 2315	30.2	32.2	24.9	45.8
2315 – 2330	27.1	29.3	24.5	36.6
2330 – 2345	27.8	30.0	24.6	37.7
2345 – 0000	29.1	31.7	25.0	41.3
0000 – 0015	25.9	28.1	23.6	34.5
0015 – 0030	25.2	26.9	23.3	30.5
0030 – 0045	26.2	27.8	23.9	32.8
0045 – 0100	27.0	28.4	24.9	37.0
0100 – 0115	28.4	30.5	25.1	36.0
0115 – 0130	26.3	28.1	23.8	32.4
0130 – 0145	24.9	26.7	22.6	30.6
0145 – 0200	25.2	27.0	22.7	30.7
0200 – 0215	26.2	27.9	23.3	36.5
0215 – 0230	28.4	30.4	24.8	33.9
0230 – 0245	27.2	29.1	24.9	33.8
0245 – 0300	26.6	28.6	24.4	32.5
0300 – 0315	27.6	29.6	25.4	33.6
0315 – 0330	28.6	30.3	25.7	46.3
0330 – 0345	29.1	31.2	25.5	41.3
0345 – 0400	42.7	46.8	30.5	54.9
0400 – 0415	53.0	56.1	41.9	65.2
0415 – 0430	55.1	59.3	41.7	63.6
0430 – 0445	52.0	57.5	35.6	61.5
0445 – 0500	46.7	49.6	34.0	61.0

Appendix A2.4 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	49.5	54.7	32.9	62.6
0515 – 0530	41.2	43.8	34.4	63.0
0530 – 0545	42.0	46.0	35.9	54.3
0545 – 0600	43.8	42.6	35.2	57.9
0600 – 0615	42.6	45.2	37.2	57.9
0615 – 0630	44.4	47.3	38.0	56.6
0630 – 0645	42.1	45.2	37.6	53.1
0645 – 0700	42.4	45.5	38.0	53.3

Appendix A2.5 – Monday 8th June – Tuesday 9th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	37.1	39.9	32.2	47.6
2215 – 2230	35.0	37.6	31.3	43.2
2230 – 2245	34.6	37.7	28.6	47.3
2245 – 2300	33.6	36.6	27.8	47.7
2300 – 2315	38.1	41.1	32.0	49.6
2315 – 2330	32.6	34.9	28.0	41.7
2330 – 2345	32.5	34.7	27.1	50.7
2345 – 0000	29.1	32.1	25.1	37.5
0000 – 0015	28.8	31.5	23.6	42.5
0015 – 0030	31.4	34.9	22.6	42.5
0030 – 0045	26.1	29.1	21.5	33.8
0045 – 0100	25.1	27.3	22.0	30.8
0100 – 0115	27.5	30.0	23.9	34.7
0115 – 0130	26.5	29.3	22.3	33.7
0130 – 0145	26.3	28.5	22.8	37.4
0145 – 0200	27.2	30.0	23.1	34.1
0200 – 0215	26.3	28.4	22.6	41.0
0215 – 0230	26.8	29.5	22.8	34.1
0230 – 0245	26.7	29.0	23.1	33.8
0245 – 0300	28.3	30.5	24.5	35.3
0300 – 0315	28.4	30.7	24.3	38.6
0315 – 0330	29.5	32.4	25.1	38.6
0330 – 0345	39.5	43.8	28.4	53.8
0345 – 0400	53.9	57.7	44.4	64.6
0400 – 0415	55.3	59.2	42.9	66.3
0415 – 0430	50.9	55.1	38.2	65.0
0430 – 0445	45.5	49.0	35.8	55.5
0445 – 0500	49.7	49.0	35.4	70.8

Appendix A2.5 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	42.3	46.3	36.6	51.2
0515 – 0530	44.4	48.5	36.9	58.3
0530 – 0545	42.2	45.7	37.6	52.5
0545 – 0600	46.5	49.7	37.6	59.4
0600 – 0615	44.5	47.4	37.3	62.8
0615 – 0630	48.0	49.7	39.5	66.5
0630 – 0645	42.6	45.4	38.4	53.1
0645 – 0700	47.4	49.8	38.4	60.8

Appendix A2.6 – Tuesday 9th June – Wednesday 10th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	40.8	43.3	36.9	47.9
2215 – 2230	40.1	41.9	37.6	48.6
2230 – 2245	40.3	41.8	37.9	47.1
2245 – 2300	41.4	43.9	36.9	52.4
2300 – 2315	43.4	43.1	37.1	59.2
2315 – 2330	39.2	41.2	36.3	47.1
2330 – 2345	38.9	40.8	35.6	46.8
2345 – 0000	39.8	42.6	35.3	47.6
0000 – 0015	39.9	42.3	36.0	49.9
0015 – 0030	38.7	41.2	34.5	46.4
0030 – 0045	37.7	40.2	33.4	45.7
0045 – 0100	36.5	39.2	32.0	47.0
0100 – 0115	37.6	40.2	32.7	44.0
0115 – 0130	37.1	39.4	33.6	43.9
0130 – 0145	37.1	39.6	33.7	44.0
0145 – 0200	37.3	39.5	33.6	44.2
0200 – 0215	37.8	40.1	34.5	46.9
0215 – 0230	38.1	40.2	34.3	45.6
0230 – 0245	38.2	40.2	35.4	44.2
0245 – 0300	39.7	42.5	35.4	46.8
0300 – 0315	39.0	41.5	34.8	48.1
0315 – 0330	39.4	41.6	35.9	46.8
0330 – 0345	42.3	45.2	37.6	49.5
0345 – 0400	47.5	50.2	41.8	59.1
0400 – 0415	52.7	56.5	44.0	61.9
0415 – 0430	51.2	55.5	41.7	65.0
0430 – 0445	52.5	55.9	43.2	67.7
0445 – 0500	53.2	56.6	42.3	67.7

Appendix A2.6 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	53.4	57.5	42.4	68.6
0515 – 0530	51.0	53.9	42.6	67.9
0530 – 0545	51.3	56.0	40.8	65.2
0545 – 0600	48.0	50.5	40.7	63.6
0600 – 0615	46.3	49.4	40.7	61.4
0615 – 0630	46.8	49.3	43.0	58.8
0630 – 0645	49.3	51.0	44.3	65.8
0645 – 0700	47.3	48.9	44.4	59.0

Appendix A3 Chalk Hill Lane (daytime & evening periods)

Appendix A3.1 – Thursday 4th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1200 – 1300	53.8	49.9	39.2	82.9
1300 – 1400	57.6	49.8	38.3	90.6
1400 – 1500	49.3	49.4	37.9	75.9
1500 – 1600	50.1	51.0	39.0	73.4
1600 – 1700	49.0	49.6	38.0	73.7
1700 – 1800	55.2	47.5	35.9	87.9
1800 – 1900	47.8	47.7	32.6	72.5

Appendix A3.2 – Thursday 4th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	49.4	48.1	31.3	73.9
2000 – 2100	46.0	46.1	30.0	73.7
2100 – 2200	51.8	38.7	29.0	82.7

Appendix A3.3 – Friday 5th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	46.2	48.0	39.0	69.9
0800 – 0900	48.9	49.8	38.8	73.1
0900 – 1000	54.4	53.1	40.4	84.3
1000 – 1100	51.3	50.5	42.5	74.9
1100 – 1200	50.1	48.8	40.6	74.4
1200 – 1300	52.3	51.2	40.2	73.5
1300 – 1400	50.0	48.5	38.9	83.0
1400 – 1500	54.1	57.4	37.3	80.4
1500 – 1600	51.3	52.7	39.7	77.6
1600 – 1700	53.1	55.3	39.9	77.7
1700 – 1800	49.8	49.8	38.8	77.1
1800 – 1900	50.6	49.4	38.0	76.6

Appendix A3.4 – Friday 5th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	43.6	42.4	33.0	75.2
2000 – 2100	47.8	43.3	33.6	76.5
2100 – 2200	41.4	41.0	31.8	69.1

Appendix A3.5 – Saturday 6th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	51.3	54.5	43.0	66.6
0800 – 0900	53.3	56.8	44.6	68.5
0900 – 1000	53.0	56.6	44.5	72.1
1000 – 1100	51.3	53.7	42.3	70.6
1100 – 1200	50.4	52.2	43.6	71.7
1200 – 1300	50.9	53.0	42.2	76.4
1300 – 1400	51.4	53.6	40.9	74.5
1400 – 1500	53.7	57.3	45.0	69.3
1500 – 1600	50.2	52.7	41.0	71.2
1600 – 1700	52.6	56.3	44.3	71.0
1700 – 1800	55.4	56.5	37.8	88.1
1800 – 1900	53.0	49.0	36.4	76.2

Appendix A3.6 – Saturday 6th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	46.4	46.8	34.7	75.5
2000 – 2100	42.2	41.4	33.2	72.6
2100 – 2200	45.1	43.2	32.9	75.2

Appendix A3.7 – Sunday 7th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	46.7	41.5	32.7	76.1
0800 – 0900	48.0	42.2	33.0	86.2
0900 – 1000	43.6	43.4	34.2	72.0
1000 – 1100	46.3	45.7	35.3	71.0
1100 – 1200	49.5	47.3	37.0	80.7
1200 – 1300	49.0	47.4	36.8	73.9
1300 – 1400	48.2	48.5	36.3	74.9
1400 – 1500	47.3	45.0	35.6	74.8
1500 – 1600	47.9	46.3	34.8	74.7
1600 – 1700	44.6	44.4	35.1	72.5
1700 – 1800	45.0	45.2	36.5	68.0
1800 – 1900	45.2	45.1	38.0	75.0

Appendix A3.8 – Sunday 7th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	45.3	44.9	36.3	67.1
2000 – 2100	46.2	44.5	35.1	71.3
2100 – 2200	42.0	38.4	33.5	70.2

Appendix A3.9 – Monday 8th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	49.2	47.5	43.7	74.3
0800 – 0900	49.1	47.8	43.0	75.6
0900 – 1000	51.6	48.8	42.7	77.1
1000 – 1100	50.0	48.9	42.6	76.3
1100 – 1200	49.2	49.8	42.8	75.5
1200 – 1300	51.7	50.7	42.1	75.7
1300 – 1400	49.2	50.2	42.3	74.7
1400 – 1500	49.6	49.3	41.8	71.3
1500 – 1600	54.7	51.3	42.3	85.6
1600 – 1700	53.0	49.7	42.3	79.1
1700 – 1800	47.5	47.7	41.5	72.2
1800 – 1900	47.8	48.8	40.7	73.3

Appendix A3.10 – Monday 8th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	46.3	48.3	39.6	69.4
2000 – 2100	45.8	46.7	36.7	65.4
2100 – 2200	44.2	44.4	36.8	71.0

Appendix A3.11 – Tuesday 9th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	50.0	46.9	40.2	73.7
0800 – 0900	49.6	48.6	39.5	73.0
0900 – 1000	50.3	46.7	37.1	79.0
1000 – 1100	53.3	54.4	37.9	81.6
1100 – 1200	53.1	46.6	37.2	79.9
1200 – 1300	54.9	52.6	37.5	80.5
1300 – 1400	57.1	58.4	44.1	87.1
1400 – 1500	56.9	49.0	38.4	92.1
1500 – 1600	51.8	50.4	43.5	77.9
1600 – 1700	52.0	51.3	44.8	75.9
1700 – 1800	52.3	49.7	42.2	77.1
1800 – 1900	49.5	48.6	40.9	79.7

Appendix A3.12 – Tuesday 9th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	51.1	49.3	40.8	75.7
2000 – 2100	50.9	49.5	41.3	76.8
2100 – 2200	50.7	50.2	41.0	75.5

Appendix A3.13 – Wednesday 10th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	51.1	49.7	45.0	80.7
0800 – 0900	52.9	51.2	45.9	79.4
0900 – 1000	52.9	53.0	47.4	76.7
1000 – 1100	54.4	55.4	49.3	76.5
1100 – 1200	56.4	54.2	45.6	81.9
1200 – 1300	54.7	52.9	44.6	78.1
1300 – 1400	54.9	53.3	45.9	80.9
1400 – 1500	54.5	50.1	42.6	80.8
1500 – 1600	55.3	52.9	46.9	77.6

Appendix A4 Chalk Hill Lane (night-time period)

Appendix A4.1 – Thursday 4th June – Friday 5th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	37.7	40.2	29.5	51.8
2215 – 2230	30.4	31.7	28.8	35.3
2230 – 2245	31.3	32.8	29.6	36.3
2245 – 2300	51.7	45.6	29.8	72.8
2300 – 2315	33.4	34.1	29.0	47.5
2315 – 2330	51.8	44.5	29.7	70.0
2330 – 2345	31.9	33.4	29.9	39.2
2345 – 0000	33.3	35.5	29.9	45.3
0000 – 0015	32.9	34.6	29.8	48.7
0015 – 0030	32.3	34.2	29.9	43.0
0030 – 0045	32.7	34.5	30.3	40.1
0045 – 0100	31.8	33.6	29.6	39.3
0100 – 0115	32.8	34.7	29.2	52.7
0115 – 0130	32.4	34.1	29.4	48.2
0130 – 0145	31.4	32.1	27.8	48.8
0145 – 0200	30.3	32.3	27.7	38.1
0200 – 0215	35.5	37.6	32.5	43.2
0215 – 0230	35.5	35.4	30.3	57.2
0230 – 0245	32.1	33.5	29.6	49.5
0245 – 0300	34.6	38.6	29.7	42.2
0300 – 0315	40.8	46.7	33.7	51.1
0315 – 0330	41.6	44.7	34.6	52.2
0330 – 0345	43.3	47.6	36.6	53.5
0345 – 0400	45.2	50.1	34.9	59.2
0400 – 0415	50.8	54.9	39.4	64.3
0415 – 0430	50.4	55.0	35.4	64.4
0430 – 0445	54.2	58.9	38.6	63.5
0445 – 0500	53.5	56.6	44.4	59.5

Appendix A4.1 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	45.4	47.6	38.6	59.4
0515 – 0530	44.2	46.1	36.8	63.8
0530 – 0545	42.8	46.1	36.4	52.8
0545 – 0600	45.6	46.7	38.2	67.2
0600 – 0615	46.4	46.8	37.7	68.7
0615 – 0630	44.9	47.5	38.8	59.2
0630 – 0645	44.1	46.0	37.6	61.6
0645 – 0700	46.5	46.9	38.8	67.0

Appendix A4.2 – Friday 5th June – Saturday 6th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	37.1	37.2	32.2	51.2
2215 – 2230	36.0	37.5	33.5	48.5
2230 – 2245	38.8	39.4	33.2	55.6
2245 – 2300	34.4	36.3	31.9	40.6
2300 – 2315	34.6	36.5	32.0	42.6
2315 – 2330	34.3	36.1	32.1	41.0
2330 – 2345	34.2	36.1	31.6	40.6
2345 – 0000	40.3	36.3	31.4	65.2
0000 – 0015	33.1	34.6	30.7	42.5
0015 – 0030	32.3	33.7	30.3	39.5
0030 – 0045	35.1	37.0	31.2	47.3
0045 – 0100	33.5	35.4	30.8	40.4
0100 – 0115	33.5	35.3	30.8	45.6
0115 – 0130	32.9	34.7	30.4	41.9
0130 – 0145	32.4	33.4	30.3	45.6
0145 – 0200	30.9	32.3	29.3	37.0
0200 – 0215	33.6	35.9	30.7	43.2
0215 – 0230	33.4	35.1	31.0	42.7
0230 – 0245	35.2	37.6	32.2	42.7
0245 – 0300	35.9	38.1	33.0	44.8
0300 – 0315	34.3	36.1	31.9	41.2
0315 – 0330	34.7	37.2	31.9	42.1
0330 – 0345	45.7	50.6	32.7	58.2
0345 – 0400	51.0	54.1	38.0	64.8
0400 – 0415	47.1	48.9	35.9	70.5
0415 – 0430	47.9	42.3	35.2	73.0
0430 – 0445	50.1	52.2	42.8	66.1
0445 – 0500	45.6	47.8	41.7	53.2

Appendix A4.2 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	42.4	45.1	37.3	53.6
0515 – 0530	44.7	47.5	39.0	57.8
0530 – 0545	42.6	45.8	37.3	53.3
0545 – 0600	51.6	48.0	39.2	75.5
0600 – 0615	44.8	47.4	39.5	54.9
0615 – 0630	45.8	48.4	40.5	56.4
0630 – 0645	49.1	51.1	40.5	68.5
0645 – 0700	49.4	52.8	42.1	61.8

Appendix A4.3 – Saturday 6th June – Sunday 7th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	35.5	37.3	30.4	54.0
2215 – 2230	41.9	45.0	30.0	56.0
2230 – 2245	35.4	37.1	30.6	52.9
2245 – 2300	46.5	48.5	30.6	62.3
2300 – 2315	37.6	36.3	31.4	63.3
2315 – 2330	43.3	38.8	32.0	66.2
2330 – 2345	39.3	36.3	30.0	62.5
2345 – 0000	34.6	36.4	29.8	53.4
0000 – 0015	36.2	38.3	30.4	57.2
0015 – 0030	38.2	34.4	29.4	66.4
0030 – 0045	44.9	34.8	28.7	69.8
0045 – 0100	37.9	35.4	28.7	65.9
0100 – 0115	31.8	34.3	28.9	40.8
0115 – 0130	33.3	35.6	29.9	42.9
0130 – 0145	32.7	34.8	29.2	43.3
0145 – 0200	30.3	31.9	29.0	35.4
0200 – 0215	31.1	33.9	28.1	41.1
0215 – 0230	31.6	34.3	28.4	40.0
0230 – 0245	32.7	35.0	29.6	41.5
0245 – 0300	31.5	33.7	28.8	39.3
0300 – 0315	31.8	35.0	28.4	39.9
0315 – 0330	31.4	33.6	28.8	40.0
0330 – 0345	44.9	50.2	29.0	56.9
0345 – 0400	54.6	58.2	35.4	69.3
0400 – 0415	45.6	49.1	33.4	60.3
0415 – 0430	47.9	48.9	37.8	69.7
0430 – 0445	44.8	47.9	40.7	55.1
0445 – 0500	42.2	44.5	35.3	52.0

Appendix A4.3 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	42.5	43.9	35.2	58.9
0515 – 0530	40.7	42.0	34.4	60.6
0530 – 0545	42.6	43.4	36.5	63.1
0545 – 0600	39.9	42.6	35.1	50.9
0600 – 0615	44.5	45.3	36.0	65.9
0615 – 0630	40.1	43.2	34.8	52.3
0630 – 0645	39.1	41.7	33.9	53.4
0645 – 0700	40.9	42.9	34.0	59.4

Appendix A4.4 – Sunday 7th June – Monday 8th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	34.1	35.4	32.0	47.1
2215 – 2230	35.2	36.7	32.5	50.5
2230 – 2245	34.9	36.8	32.7	44.9
2245 – 2300	40.9	37.2	31.5	64.2
2300 – 2315	33.7	34.9	31.6	44.7
2315 – 2330	33.1	35.0	31.3	41.0
2330 – 2345	33.6	35.0	31.9	42.4
2345 – 0000	34.5	36.5	32.2	43.7
0000 – 0015	33.3	34.6	31.7	38.9
0015 – 0030	32.0	33.1	30.9	40.1
0030 – 0045	32.5	33.6	31.2	38.5
0045 – 0100	33.6	34.8	32.1	38.7
0100 – 0115	33.3	34.7	31.2	40.9
0115 – 0130	32.8	34.6	31.0	39.4
0130 – 0145	32.0	33.3	30.8	37.3
0145 – 0200	33.3	35.0	31.3	42.0
0200 – 0215	32.7	33.7	31.5	39.1
0215 – 0230	34.5	36.6	32.2	39.1
0230 – 0245	34.7	36.3	32.8	39.8
0245 – 0300	34.1	35.5	32.5	39.0
0300 – 0315	34.8	36.7	32.6	42.1
0315 – 0330	34.7	35.8	33.1	42.5
0330 – 0345	41.1	39.7	32.9	55.6
0345 – 0400	51.9	55.4	37.6	65.9
0400 – 0415	51.6	55.0	40.0	67.5
0415 – 0430	51.2	54.9	39.7	64.4
0430 – 0445	54.2	56.9	47.3	62.6
0445 – 0500	50.1	55.0	42.6	59.6

Appendix A4.4 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	45.6	44.5	40.1	68.0
0515 – 0530	47.2	46.5	40.3	64.0
0530 – 0545	44.1	45.7	42.1	52.9
0545 – 0600	48.1	46.2	41.4	69.4
0600 – 0615	46.5	46.6	42.6	68.2
0615 – 0630	48.1	48.0	43.8	69.8
0630 – 0645	50.7	48.9	44.1	70.8
0645 – 0700	47.8	49.7	44.4	66.1

Appendix A4.5 – Monday 8th June – Tuesday 9th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	41.6	43.9	38.1	49.1
2215 – 2230	40.5	42.5	37.2	48.3
2230 – 2245	40.7	43.1	35.8	49.5
2245 – 2300	39.2	42.0	34.9	45.4
2300 – 2315	42.1	44.3	38.3	53.0
2315 – 2330	38.7	41.4	34.4	46.5
2330 – 2345	41.6	44.8	35.3	53.5
2345 – 0000	39.9	43.0	34.8	47.9
0000 – 0015	36.8	39.8	32.5	45.1
0015 – 0030	40.4	44.9	32.7	53.6
0030 – 0045	36.9	40.3	31.4	47.3
0045 – 0100	37.3	40.6	31.8	46.0
0100 – 0115	38.6	41.7	33.7	47.7
0115 – 0130	39.2	43.0	31.2	50.2
0130 – 0145	37.3	40.4	31.6	49.4
0145 – 0200	38.1	41.3	31.6	47.5
0200 – 0215	38.5	41.3	33.1	48.0
0215 – 0230	37.8	40.8	32.9	45.5
0230 – 0245	38.2	40.9	33.5	47.3
0245 – 0300	39.4	42.0	35.2	47.0
0300 – 0315	38.5	41.4	33.7	48.0
0315 – 0330	40.3	43.4	34.6	48.0
0330 – 0345	49.7	54.2	38.2	64.2
0345 – 0400	52.7	55.8	42.9	66.2
0400 – 0415	52.6	54.0	40.9	74.3
0415 – 0430	51.5	55.0	41.3	70.4
0430 – 0445	56.0	58.9	48.6	63.7
0445 – 0500	49.2	50.8	43.5	61.6

Appendix A4.5 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	51.1	51.7	42.9	68.9
0515 – 0530	51.9	54.3	44.5	67.7
0530 – 0545	55.0	57.1	44.3	76.7
0545 – 0600	49.7	53.0	44.1	63.1
0600 – 0615	60.9	54.6	44.6	85.2
0615 – 0630	52.9	51.1	45.9	73.2
0630 – 0645	59.4	53.4	46.5	84.4
0645 – 0700	58.8	52.6	44.2	79.8

Appendix A4.6 – Tuesday 9th June – Wednesday 10th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	42.8	45.2	39.4	49.4
2215 – 2230	42.4	44.3	39.5	56.1
2230 – 2245	43.4	44.8	40.2	59.1
2245 – 2300	42.6	45.1	39.1	52.8
2300 – 2315	47.0	46.0	38.2	63.6
2315 – 2330	41.9	43.9	38.7	48.8
2330 – 2345	41.2	43.4	38.3	46.7
2345 – 0000	42.6	45.5	38.2	50.5
0000 – 0015	41.6	44.3	37.4	49.1
0015 – 0030	40.7	43.2	36.1	47.8
0030 – 0045	40.8	43.4	36.7	47.7
0045 – 0100	40.0	42.5	35.3	47.5
0100 – 0115	39.6	42.0	35.7	45.3
0115 – 0130	39.2	41.6	35.3	46.6
0130 – 0145	41.0	43.7	37.0	48.7
0145 – 0200	40.1	43.1	35.1	48.9
0200 – 0215	41.0	44.2	36.1	48.1
0215 – 0230	40.5	43.3	35.8	49.3
0230 – 0245	41.5	44.0	38.1	48.0
0245 – 0300	43.4	46.1	38.5	50.7
0300 – 0315	41.2	44.1	36.5	48.0
0315 – 0330	42.9	44.8	36.9	56.3
0330 – 0345	51.7	55.4	40.1	63.9
0345 – 0400	52.7	55.8	43.8	68.6
0400 – 0415	50.7	54.6	43.3	58.5
0415 – 0430	46.9	48.9	43.4	56.2
0430 – 0445	54.2	56.8	45.0	70.5
0445 – 0500	54.3	58.3	45.1	62.8

Appendix A4.6 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	50.6	55.4	43.0	62.4
0515 – 0530	52.5	49.9	43.0	71.4
0530 – 0545	54.0	55.0	42.6	70.4
0545 – 0600	55.0	51.1	42.5	75.1
0600 – 0615	55.6	50.9	43.1	76.2
0615 – 0630	48.5	48.2	45.1	66.2
0630 – 0645	52.5	49.5	45.8	73.2
0645 – 0700	49.3	50.1	45.9	65.8

Appendix A5 Site Entrance (daytime & evening periods)

Appendix A5.1 – Thursday 4th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1000 – 1100	64.5	68.7	48.6	79.2
1100 – 1200	65.1	69.1	47.8	80.9
1200 – 1300	64.8	68.8	48.6	86.5
1300 – 1400	64.8	68.7	47.1	81.8
1400 – 1500	64.8	68.7	48.0	83.7
1500 – 1600	65.4	69.3	50.0	82.9
1600 – 1700	65.4	69.3	49.0	82.2
1700 – 1800	64.3	68.7	47.2	79.3
1800 – 1900	62.3	67.3	41.7	78.9

Appendix A5.2 – Thursday 4th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	61.1	65.8	38.0	79.6
2000 – 2100	59.9	64.2	35.5	82.6
2100 – 2200	60.8	64.0	35.3	87.8

Appendix A5.3 – Friday 5th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	66.0	70.1	49.0	80.6
0800 – 0900	65.2	69.4	49.2	81.3
0900 – 1000	66.9	71.1	49.9	83.1
1000 – 1100	67.8	72.4	50.4	83.5
1100 – 1200	66.7	71.2	48.5	81.5
1200 – 1300	65.7	69.8	48.9	84.6
1300 – 1400	65.1	69.0	48.3	82.9
1400 – 1500	66.7	70.9	50.0	82.7
1500 – 1600	68.1	72.1	49.7	85.6
1600 – 1700	66.8	71.0	49.8	84.9
1700 – 1800	67.3	71.7	48.5	86.4
1800 – 1900	64.3	69.2	46.0	82.2

Appendix A5.4 – Friday 5th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	62.2	67.0	40.3	79.3
2000 – 2100	62.0	65.9	39.2	91.3
2100 – 2200	60.5	65.2	37.8	79.7

Appendix A5.5 – Saturday 6th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	60.2	63.5	43.8	84.7
0800 – 0900	61.7	66.0	47.2	84.1
0900 – 1000	61.8	66.6	47.2	82.7
1000 – 1100	64.5	69.0	47.8	88.4
1100 – 1200	66.3	71.3	49.7	87.2
1200 – 1300	65.7	71.0	49.3	77.6
1300 – 1400	64.3	69.2	46.9	86.1
1400 – 1500	62.4	67.3	48.2	79.9
1500 – 1600	63.9	68.7	47.9	80.8
1600 – 1700	63.2	68.3	48.2	79.7
1700 – 1800	64.4	69.5	46.6	81.2
1800 – 1900	63.5	68.5	42.6	82.3

Appendix A5.6 – Saturday 6th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	62.6	67.3	40.2	81.6
2000 – 2100	61.2	64.6	38.1	79.1
2100 – 2200	58.8	60.5	36.9	78.0

Appendix A5.7 – Sunday 7th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	56.8	57.3	35.4	77.5
0800 – 0900	57.1	58.9	35.7	77.6
0900 – 1000	60.0	64.6	39.1	83.6
1000 – 1100	61.6	66.8	41.6	77.5
1100 – 1200	62.5	67.7	44.0	83.7
1200 – 1300	62.3	67.2	44.3	83.4
1300 – 1400	61.9	67.1	43.6	78.6
1400 – 1500	61.9	66.8	43.1	80.4
1500 – 1600	62.8	68.2	44.1	77.4
1600 – 1700	64.2	69.6	43.0	78.8
1700 – 1800	62.4	67.3	42.8	78.8
1800 – 1900	61.6	66.2	42.9	79.9

Appendix A5.8 – Sunday 7th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	60.4	64.4	41.4	78.3
2000 – 2100	58.2	60.9	39.4	76.5
2100 – 2200	55.2	53.4	38.0	78.9

Appendix A5.9 – Monday 8th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	67.3	71.5	52.0	82.4
0800 – 0900	66.5	70.7	50.8	83.5
0900 – 1000	65.3	69.6	49.2	83.7
1000 – 1100	65.7	69.9	49.5	84.1
1100 – 1200	64.9	69.2	49.3	83.9
1200 – 1300	65.0	69.0	49.1	81.5
1300 – 1400	65.1	69.2	49.4	83.5
1400 – 1500	65.6	69.7	49.8	82.3
1500 – 1600	65.3	69.2	49.9	82.3
1600 – 1700	66.3	70.0	50.1	82.4
1700 – 1800	65.2	69.1	48.2	87.1
1800 – 1900	62.2	67.0	45.3	81.4

Appendix A5.10 – Monday 8th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	61.6	65.9	43.1	83.8
2000 – 2100	59.9	64.0	41.6	82.2
2100 – 2200	59.4	62.5	39.7	85.6

Appendix A5.11 – Tuesday 9th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	66.6	70.7	48.4	84.4
0800 – 0900	65.8	69.9	46.4	84.7
0900 – 1000	65.1	69.4	44.3	82.1
1000 – 1100	64.5	68.6	44.9	83.5
1100 – 1200	64.6	68.5	45.2	84.0
1200 – 1300	64.9	69.0	46.2	82.7
1300 – 1400	65.3	69.4	47.8	82.6
1400 – 1500	64.7	68.8	45.4	81.8
1500 – 1600	65.5	69.4	49.3	83.7
1600 – 1700	65.9	69.7	51.1	84.9
1700 – 1800	64.7	68.9	47.5	82.0
1800 – 1900	62.8	67.1	44.1	87.5

Appendix A5.12 – Tuesday 9th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	61.7	66.4	42.8	84.8
2000 – 2100	60.3	64.8	43.6	78.1
2100 – 2200	60.3	64.4	43.4	84.7

Appendix A5.13 – Wednesday 10th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	66.3	70.6	50.0	85.3
0800 – 0900	66.3	70.4	50.6	83.1
0900 – 1000	68.2	72.3	50.3	94.2
1000 – 1100	69.2	73.4	52.4	83.7
1100 – 1200	68.9	73.2	52.5	83.6
1200 – 1300	68.8	73.0	51.7	83.6
1300 – 1400	68.1	72.4	52.4	82.8
1400 – 1500	68.6	72.8	51.0	84.4

Appendix A6 Site Entrance (night-time period)

Appendix A6.1 – Thursday 4th June – Friday 5th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	57.5	62.0	35.3	73.3
2215 – 2230	56.8	58.9	34.9	74.0
2230 – 2245	56.5	59.3	35.3	73.1
2245 – 2300	54.9	50.3	35.7	76.7
2300 – 2315	55.7	58.7	36.1	73.1
2315 – 2330	54.6	56.4	35.4	71.2
2330 – 2345	58.2	53.2	35.2	81.3
2345 – 0000	53.7	46.6	34.6	72.6
0000 – 0015	37.2	39.3	33.6	47.7
0015 – 0030	49.3	41.3	33.2	70.2
0030 – 0045	51.2	48.8	35.1	68.6
0045 – 0100	45.0	41.4	35.3	67.5
0100 – 0115	54.3	49.5	34.4	71.1
0115 – 0130	46.0	41.3	35.8	69.5
0130 – 0145	52.7	53.0	33.8	70.4
0145 – 0200	51.9	46.8	32.3	73.1
0200 – 0215	48.9	42.3	32.6	71.9
0215 – 0230	51.5	41.1	34.1	73.8
0230 – 0245	53.9	47.0	33.7	71.4
0245 – 0300	53.4	45.2	33.3	73.7
0300 – 0315	52.0	44.3	36.2	72.9
0315 – 0330	58.3	57.6	37.3	74.6
0330 – 0345	58.0	52.9	39.3	76.5
0345 – 0400	57.7	51.6	39.4	77.1
0400 – 0415	55.0	49.1	37.3	74.5
0415 – 0430	56.7	47.7	36.4	78.2
0430 – 0445	56.5	48.0	36.0	76.4
0445 – 0500	60.0	59.0	35.9	78.8

Appendix A6.1 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	58.9	57.2	36.3	77.3
0515 – 0530	62.4	66.4	38.6	79.2
0530 – 0545	63.3	68.6	42.5	78.8
0545 – 0600	62.4	68.2	41.4	76.5
0600 – 0615	63.6	68.4	42.9	78.8
0615 – 0630	62.1	66.2	43.0	80.8
0630 – 0645	65.2	69.3	45.6	80.5
0645 – 0700	64.1	69.4	46.0	77.3

Appendix A6.2 – Friday 5th June – Saturday 6th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	58.5	62.5	37.7	74.6
2215 – 2230	59.8	64.7	38.9	75.0
2230 – 2245	55.2	56.9	37.6	71.5
2245 – 2300	53.6	52.6	37.3	72.1
2300 – 2315	54.0	52.0	36.7	72.6
2315 – 2330	56.2	56.8	36.8	72.8
2330 – 2345	55.7	56.1	37.5	75.0
2345 – 0000	56.3	57.3	38.1	77.1
0000 – 0015	55.6	55.0	35.6	73.5
0015 – 0030	56.6	52.1	35.4	76.2
0030 – 0045	55.5	51.4	36.5	77.5
0045 – 0100	52.5	46.0	35.6	71.1
0100 – 0115	57.3	59.2	36.5	75.3
0115 – 0130	45.8	43.2	35.8	67.7
0130 – 0145	52.6	45.6	34.3	70.9
0145 – 0200	55.1	39.1	31.7	82.6
0200 – 0215	39.0	41.8	34.3	47.7
0215 – 0230	49.5	43.2	35.4	70.8
0230 – 0245	53.4	43.8	35.8	77.0
0245 – 0300	50.9	45.1	37.7	70.7
0300 – 0315	57.3	48.7	38.0	80.0
0315 – 0330	51.9	44.0	37.1	75.9
0330 – 0345	51.4	47.4	36.5	72.8
0345 – 0400	57.3	52.3	37.2	76.8
0400 – 0415	55.2	48.3	36.8	76.8
0415 – 0430	54.9	49.9	37.2	74.0
0430 – 0445	51.3	47.6	35.0	72.7
0445 – 0500	55.1	52.6	36.5	74.4

Appendix A6.2 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	53.4	48.1	36.8	74.0
0515 – 0530	56.1	54.5	38.2	75.0
0530 – 0545	58.5	59.6	38.5	77.6
0545 – 0600	58.2	60.8	38.8	74.0
0600 – 0615	55.4	50.8	39.6	77.9
0615 – 0630	55.4	52.1	39.2	71.6
0630 – 0645	60.6	65.2	41.9	76.4
0645 – 0700	60.6	64.0	43.8	77.3

Appendix A6.3 – Saturday 6th June – Sunday 7th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	58.9	60.4	36.3	75.0
2215 – 2230	58.2	58.6	35.1	76.5
2230 – 2245	55.5	53.2	33.6	73.7
2245 – 2300	54.9	53.4	33.6	73.2
2300 – 2315	53.3	43.1	34.1	76.6
2315 – 2330	52.4	43.0	34.1	73.9
2330 – 2345	51.9	42.8	34.1	73.1
2345 – 0000	53.1	44.1	34.1	73.9
0000 – 0015	54.1	48.8	34.5	73.5
0015 – 0030	47.1	42.3	32.6	68.1
0030 – 0045	48.0	42.0	31.7	68.8
0045 – 0100	50.0	40.7	32.7	71.7
0100 – 0115	47.7	38.5	32.5	71.7
0115 – 0130	36.8	38.2	34.3	48.3
0130 – 0145	44.7	40.5	31.9	68.8
0145 – 0200	50.3	39.3	31.8	72.7
0200 – 0215	48.1	37.4	31.2	74.7
0215 – 0230	46.0	37.7	31.4	70.2
0230 – 0245	36.1	37.8	32.6	49.2
0245 – 0300	51.3	39.3	32.0	76.1
0300 – 0315	34.7	37.2	31.4	41.7
0315 – 0330	46.6	35.6	31.3	72.8
0330 – 0345	46.6	36.6	31.8	70.4
0345 – 0400	44.3	40.0	33.4	68.8
0400 – 0415	46.5	42.3	34.4	69.9
0415 – 0430	54.9	47.2	35.5	77.6
0430 – 0445	47.3	42.4	34.7	72.1
0445 – 0500	50.8	47.6	34.5	73.7

Appendix A6.3 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	39.7	42.1	34.7	50.3
0515 – 0530	52.4	44.8	36.6	73.1
0530 – 0545	55.5	51.6	37.9	74.3
0545 – 0600	47.7	44.7	35.6	68.8
0600 – 0615	55.6	54.0	36.1	74.0
0615 – 0630	54.5	46.4	35.8	72.8
0630 – 0645	55.2	50.1	35.6	72.4
0645 – 0700	58.2	59.9	35.9	74.8

Appendix A6.4 – Sunday 7th June – Monday 8th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	55.8	52.1	37.0	78.2
2215 – 2230	57.2	57.5	36.8	75.0
2230 – 2245	55.7	47.3	36.5	79.9
2245 – 2300	50.3	43.4	34.5	71.2
2300 – 2315	51.2	45.2	34.5	70.8
2315 – 2330	48.9	41.5	33.5	67.3
2330 – 2345	52.8	43.6	34.7	74.0
2345 – 0000	52.5	42.9	35.3	72.7
0000 – 0015	51.9	44.1	33.0	73.2
0015 – 0030	41.6	38.5	32.6	63.4
0030 – 0045	48.0	39.8	32.0	71.7
0045 – 0100	42.5	40.2	33.7	63.6
0100 – 0115	45.2	39.9	31.8	65.8
0115 – 0130	50.9	41.9	31.6	73.6
0130 – 0145	48.3	41.1	32.1	70.8
0145 – 0200	44.9	39.5	32.2	69.7
0200 – 0215	48.8	40.3	33.2	70.9
0215 – 0230	39.2	41.9	34.7	48.0
0230 – 0245	39.0	41.1	35.7	47.2
0245 – 0300	37.8	40.1	34.1	48.3
0300 – 0315	47.2	42.3	34.1	71.3
0315 – 0330	52.4	42.4	36.3	74.7
0330 – 0345	56.2	51.3	37.5	74.5
0345 – 0400	53.1	48.7	37.7	74.7
0400 – 0415	53.1	46.8	39.6	73.4
0415 – 0430	52.1	45.6	38.7	72.7
0430 – 0445	57.2	52.4	40.8	74.8
0445 – 0500	58.2	59.1	40.9	74.1

Appendix A6.4 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	56.5	54.7	42.1	76.3
0515 – 0530	58.6	60.4	44.1	74.4
0530 – 0545	61.5	66.5	46.0	76.0
0545 – 0600	62.7	67.5	46.5	78.6
0600 – 0615	64.1	69.3	46.3	77.9
0615 – 0630	63.6	68.3	48.6	78.0
0630 – 0645	66.3	70.8	49.9	79.5
0645 – 0700	66.8	71.4	50.8	78.8

Appendix A6.5 – Monday 8th June – Tuesday 9th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	58.6	62.4	39.7	77.2
2215 – 2230	57.1	58.9	40.9	75.3
2230 – 2245	55.6	56.7	39.0	72.4
2245 – 2300	56.6	51.0	37.3	76.7
2300 – 2315	54.3	54.3	41.4	72.5
2315 – 2330	56.7	50.9	38.2	78.9
2330 – 2345	53.9	50.7	38.9	74.3
2345 – 0000	57.3	54.0	39.1	79.0
0000 – 0015	54.2	51.8	37.2	73.0
0015 – 0030	62.6	53.8	36.2	87.0
0030 – 0045	48.0	42.7	32.4	68.3
0045 – 0100	48.4	44.5	32.7	69.8
0100 – 0115	57.4	57.5	36.3	72.7
0115 – 0130	51.2	45.8	31.4	70.1
0130 – 0145	52.0	45.9	34.4	72.8
0145 – 0200	48.7	46.0	34.2	69.6
0200 – 0215	54.1	48.1	35.9	74.7
0215 – 0230	48.4	44.7	36.9	68.3
0230 – 0245	52.5	45.7	38.0	73.5
0245 – 0300	46.7	44.8	37.4	68.4
0300 – 0315	55.1	48.6	36.6	74.8
0315 – 0330	52.1	47.8	36.9	72.0
0330 – 0345	55.2	51.1	41.4	73.9
0345 – 0400	55.8	54.4	42.2	72.7
0400 – 0415	56.9	53.5	41.8	76.5
0415 – 0430	57.3	57.8	44.1	74.9
0430 – 0445	58.5	58.2	44.2	76.7
0445 – 0500	59.2	57.9	45.7	76.9

Appendix A6.5 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	58.3	60.4	46.3	75.8
0515 – 0530	62.7	66.0	47.3	81.7
0530 – 0545	62.5	66.3	49.0	79.3
0545 – 0600	64.0	69.2	50.0	78.2
0600 – 0615	62.0	66.1	49.4	76.2
0615 – 0630	64.4	69.1	51.1	78.5
0630 – 0645	64.1	69.3	51.2	76.7
0645 – 0700	65.2	70.2	50.3	78.2

Appendix A6.6 – Tuesday 9th June – Wednesday 10th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	58.9	63.2	42.3	75.3
2215 – 2230	57.8	60.4	41.0	77.7
2230 – 2245	55.8	58.1	39.9	71.3
2245 – 2300	55.1	54.8	38.6	72.9
2300 – 2315	56.4	58.8	39.2	74.1
2315 – 2330	54.7	48.0	36.6	76.2
2330 – 2345	56.7	56.6	38.5	74.2
2345 – 0000	54.1	51.8	38.2	71.9
0000 – 0015	54.3	49.5	37.5	77.6
0015 – 0030	53.7	44.9	36.0	76.5
0030 – 0045	53.8	52.1	35.5	69.8
0045 – 0100	54.4	45.6	34.0	74.6
0100 – 0115	54.1	45.7	33.7	71.2
0115 – 0130	48.6	42.9	33.0	66.2
0130 – 0145	49.9	42.8	33.3	72.9
0145 – 0200	50.3	43.3	33.4	73.3
0200 – 0215	50.2	45.2	34.8	70.1
0215 – 0230	53.4	44.8	35.2	76.8
0230 – 0245	50.1	46.0	36.2	72.7
0245 – 0300	52.8	48.2	38.4	76.0
0300 – 0315	54.1	50.1	35.9	74.3
0315 – 0330	51.0	45.5	36.8	72.4
0330 – 0345	55.2	50.4	37.6	72.7
0345 – 0400	55.3	53.7	39.2	75.3
0400 – 0415	48.3	45.3	39.3	66.7
0415 – 0430	54.6	47.6	40.7	72.9
0430 – 0445	57.7	57.6	41.6	75.5
0445 – 0500	58.4	57.8	41.5	76.3

Appendix A6.6 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	60.0	56.6	43.1	80.4
0515 – 0530	60.6	62.8	42.5	81.9
0530 – 0545	61.5	65.9	44.5	76.1
0545 – 0600	62.6	67.2	45.6	78.0
0600 – 0615	61.5	66.4	44.8	77.3
0615 – 0630	62.6	67.3	45.5	77.4
0630 – 0645	63.5	68.1	46.2	78.6
0645 – 0700	65.1	69.6	47.9	77.4

Appendix A7 Chapel Lane (daytime & evening periods)

Appendix A7.1 – Thursday 4th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1200 – 1300	68.9	72.5	53.6	87.2
1300 – 1400	69.1	72.7	52.2	89.2
1400 – 1500	69.0	72.5	52.0	89.1
1500 – 1600	69.1	72.9	53.5	86.9
1600 – 1700	69.8	73.3	53.7	96.1
1700 – 1800	68.3	72.5	53.3	85.1
1800 – 1900	66.4	70.8	45.1	85.8

Appendix A7.2 – Thursday 4th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	65.2	68.9	42.3	86.4
2000 – 2100	63.3	66.8	37.5	83.7
2100 – 2200	63.4	66.6	35.6	88.4

Appendix A7.3 – Friday 5th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	69.8	73.9	52.2	89.5
0800 – 0900	69.2	73.1	52.8	89.0
0900 – 1000	71.4	75.0	53.0	92.1
1000 – 1100	73.4	76.8	54.2	92.8
1100 – 1200	73.6	77.1	55.4	92.7
1200 – 1300	72.1	75.7	55.2	93.0
1300 – 1400	71.5	75.5	55.1	90.1
1400 – 1500	71.6	75.2	54.7	90.1
1500 – 1600	73.8	77.3	56.3	94.1
1600 – 1700	73.9	77.8	57.1	94.0
1700 – 1800	73.1	77.5	57.0	92.2
1800 – 1900	70.7	75.3	51.8	88.0

Appendix A7.4 – Friday 5th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	68.9	72.8	45.8	87.2
2000 – 2100	67.5	71.2	41.7	86.7
2100 – 2200	66.4	69.7	41.2	86.8

Appendix A7.5 – Saturday 6th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	64.7	67.2	46.9	90.3
0800 – 0900	65.8	69.1	49.2	86.1
0900 – 1000	66.5	70.4	49.9	89.7
1000 – 1100	68.1	72.3	50.9	93.5
1100 – 1200	70.5	74.9	53.3	89.0
1200 – 1300	70.8	75.2	53.7	88.5
1300 – 1400	71.0	74.9	53.2	93.2
1400 – 1500	69.8	73.6	53.7	92.4
1500 – 1600	69.1	73.6	52.6	85.4
1600 – 1700	68.4	72.5	52.5	92.3
1700 – 1800	69.2	73.7	49.9	85.9
1800 – 1900	68.9	72.8	44.8	96.3

Appendix A7.6 – Saturday 6th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	68.8	71.6	44.3	94.5
2000 – 2100	67.7	68.9	42.7	94.6
2100 – 2200	65.7	66.8	42.5	90.3

Appendix A7.7 – Sunday 7th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	62.4	62.0	40.2	86.0
0800 – 0900	63.2	64.0	38.7	83.5
0900 – 1000	65.5	68.5	40.3	90.0
1000 – 1100	66.7	71.5	44.4	83.9
1100 – 1200	67.2	72.0	46.1	86.1
1200 – 1300	67.2	71.7	47.4	90.6
1300 – 1400	67.0	71.5	45.4	89.4
1400 – 1500	68.0	71.2	45.9	99.7
1500 – 1600	67.1	72.0	47.1	84.2
1600 – 1700	68.2	72.7	45.7	85.2
1700 – 1800	66.6	70.6	45.0	85.7
1800 – 1900	66.3	70.0	44.5	85.0

Appendix A7.8 – Sunday 7th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	67.5	68.6	43.4	98.1
2000 – 2100	63.2	65.0	41.0	83.5
2100 – 2200	60.7	60.9	40.0	83.8

Appendix A7.9 – Monday 8th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	71.8	75.5	56.6	91.9
0800 – 0900	70.9	74.5	55.4	91.2
0900 – 1000	69.8	73.6	52.4	88.0
1000 – 1100	70.0	73.7	53.1	88.6
1100 – 1200	69.4	73.1	51.7	88.4
1200 – 1300	69.3	72.9	52.7	88.6
1300 – 1400	69.7	73.1	52.9	93.0
1400 – 1500	70.2	73.5	52.8	94.5
1500 – 1600	69.3	72.9	52.9	88.6
1600 – 1700	69.4	73.1	54.0	89.2
1700 – 1800	68.6	72.8	53.0	88.0
1800 – 1900	66.6	70.9	48.6	86.5

Appendix A7.10 – Monday 8th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	66.2	68.9	46.9	98.5
2000 – 2100	63.8	66.9	43.0	88.9
2100 – 2200	63.0	65.1	41.9	88.9

Appendix A7.11 – Tuesday 9th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	70.1	73.7	53.8	91.0
0800 – 0900	69.2	72.9	52.2	88.1
0900 – 1000	68.5	72.1	50.4	90.6
1000 – 1100	68.6	71.8	49.5	89.3
1100 – 1200	68.9	72.8	51.0	89.2
1200 – 1300	68.6	71.9	51.6	89.7
1300 – 1400	68.8	72.3	52.8	87.8
1400 – 1500	68.6	72.2	51.8	87.6
1500 – 1600	70.2	72.9	53.4	99.5
1600 – 1700	69.1	72.9	55.7	88.8
1700 – 1800	68.6	72.5	54.4	90.2
1800 – 1900	66.5	71.0	49.2	86.3

Appendix A7.12 – Tuesday 9th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	65.2	69.5	46.4	81.3
2000 – 2100	64.2	68.1	46.1	85.8
2100 – 2200	64.3	67.8	45.2	89.2

Appendix A7.13 – Wednesday 10th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	70.1	73.6	54.7	92.2
0800 – 0900	70.2	73.8	56.0	89.6
0900 – 1000	71.9	75.7	54.6	89.8
1000 – 1100	76.4	78.4	56.7	104.1
1100 – 1200	79.9	80.1	57.2	107.2
1200 – 1300	76.2	78.3	55.7	100.1
1300 – 1400	74.5	77.6	58.5	95.3
1400 – 1500	73.7	77.4	56.5	94.4

Appendix A8 Chapel Lane (night-time period)

Appendix A8.1 – Thursday 4th June – Friday 5th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	61.8	64.7	35.1	78.8
2215 – 2230	60.6	61.3	34.3	79.1
2230 – 2245	59.8	60.7	34.4	77.1
2245 – 2300	57.7	55.7	34.8	80.9
2300 – 2315	58.8	61.4	35.5	76.2
2315 – 2330	57.6	57.7	34.7	74.8
2330 – 2345	60.2	57.6	35.1	84.9
2345 – 0000	57.3	53.7	34.8	76.7
0000 – 0015	48.6	44.4	34.6	73.4
0015 – 0030	53.0	50.1	34.8	73.6
0030 – 0045	55.4	55.6	36.7	75.3
0045 – 0100	51.0	44.5	37.5	73.5
0100 – 0115	57.5	55.5	37.5	76.9
0115 – 0130	52.9	48.2	37.4	74.5
0130 – 0145	57.6	53.5	37.5	80.8
0145 – 0200	52.9	44.6	34.4	76.2
0200 – 0215	53.1	44.5	34.5	75.5
0215 – 0230	54.4	46.0	34.8	76.9
0230 – 0245	56.5	51.5	34.5	75.1
0245 – 0300	55.5	49.5	34.4	77.6
0300 – 0315	56.7	52.5	36.3	78.8
0315 – 0330	58.7	55.5	39.7	79.4
0330 – 0345	61.8	61.1	40.0	80.8
0345 – 0400	61.2	58.2	43.0	83.1
0400 – 0415	57.7	51.6	40.7	79.1
0415 – 0430	56.8	50.0	38.0	76.0
0430 – 0445	62.7	59.2	40.0	82.1
0445 – 0500	63.9	62.3	40.9	83.9

Appendix A8.1 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	63.0	62.5	41.6	84.2
0515 – 0530	65.4	67.4	39.3	84.3
0530 – 0545	66.8	71.4	46.8	83.2
0545 – 0600	66.3	70.4	44.3	83.6
0600 – 0615	66.2	69.5	45.9	85.8
0615 – 0630	67.0	70.7	46.5	84.3
0630 – 0645	69.5	73.6	49.3	85.7
0645 – 0700	68.4	73.0	50.4	83.6

Appendix A8.2 – Friday 5th June – Saturday 6th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	64.2	65.7	40.7	81.8
2215 – 2230	64.8	68.1	41.1	79.3
2230 – 2245	62.9	64.0	39.5	82.7
2245 – 2300	60.5	61.3	39.0	78.1
2300 – 2315	59.1	58.2	37.9	77.3
2315 – 2330	61.9	61.9	38.8	79.1
2330 – 2345	61.2	59.9	38.2	83.1
2345 – 0000	61.2	61.4	38.4	83.5
0000 – 0015	61.9	61.2	37.7	81.2
0015 – 0030	61.2	59.0	38.5	81.3
0030 – 0045	60.4	59.9	39.0	84.5
0045 – 0100	57.6	53.0	38.3	78.2
0100 – 0115	60.0	59.8	38.2	77.5
0115 – 0130	57.3	50.3	38.0	79.4
0130 – 0145	56.2	52.4	36.6	77.2
0145 – 0200	54.9	48.8	35.4	75.8
0200 – 0215	41.9	41.9	35.5	57.5
0215 – 0230	53.8	42.7	36.0	77.7
0230 – 0245	55.0	44.0	36.9	80.8
0245 – 0300	55.5	52.0	38.1	74.4
0300 – 0315	59.4	52.8	40.1	84.1
0315 – 0330	58.5	49.4	39.4	84.7
0330 – 0345	57.5	52.6	36.9	79.2
0345 – 0400	60.0	54.6	37.1	81.0
0400 – 0415	59.1	54.4	38.0	81.3
0415 – 0430	58.5	54.6	38.6	79.9
0430 – 0445	58.5	57.4	39.2	78.4
0445 – 0500	61.7	62.1	41.8	80.9

Appendix A8.2 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	58.2	56.6	39.4	77.6
0515 – 0530	60.5	59.4	40.7	78.2
0530 – 0545	62.3	63.5	41.2	82.6
0545 – 0600	63.8	65.5	42.3	81.3
0600 – 0615	61.5	61.5	42.8	83.2
0615 – 0630	60.4	60.6	44.1	77.6
0630 – 0645	64.7	68.1	45.0	83.6
0645 – 0700	64.6	65.9	46.1	86.7

Appendix A8.3 – Saturday 6th June – Sunday 7th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	64.4	63.8	40.8	84.5
2215 – 2230	62.0	61.2	41.1	82.5
2230 – 2245	62.4	62.4	41.6	79.7
2245 – 2300	59.5	58.4	40.2	81.8
2300 – 2315	59.9	51.7	40.2	82.2
2315 – 2330	57.8	48.9	39.1	80.5
2330 – 2345	58.0	49.5	38.9	82.0
2345 – 0000	61.7	55.8	37.9	82.1
0000 – 0015	56.8	53.0	36.6	75.6
0015 – 0030	56.9	49.6	36.1	77.9
0030 – 0045	57.6	48.6	37.0	80.0
0045 – 0100	55.4	43.4	36.0	80.3
0100 – 0115	51.6	43.4	36.8	78.2
0115 – 0130	56.1	45.6	35.6	80.1
0130 – 0145	55.6	45.2	35.1	80.2
0145 – 0200	52.3	41.9	34.4	79.3
0200 – 0215	52.4	41.1	34.8	79.5
0215 – 0230	52.7	43.3	36.4	78.3
0230 – 0245	57.4	46.8	36.3	82.9
0245 – 0300	39.3	42.3	35.2	47.3
0300 – 0315	51.8	41.0	35.9	78.9
0315 – 0330	52.4	43.3	35.6	78.8
0330 – 0345	50.0	46.3	36.4	76.3
0345 – 0400	53.8	45.2	37.6	78.4
0400 – 0415	57.3	53.2	42.0	81.0
0415 – 0430	60.0	53.6	40.4	85.1
0430 – 0445	56.1	47.3	39.2	80.0
0445 – 0500	64.4	63.8	40.8	84.5

Appendix A8.3 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	44.0	46.0	39.1	56.9
0515 – 0530	58.2	52.8	40.8	79.3
0530 – 0545	60.9	59.1	42.8	80.5
0545 – 0600	57.6	50.7	41.0	80.9
0600 – 0615	61.3	58.8	40.7	81.2
0615 – 0630	60.6	55.8	42.5	80.2
0630 – 0645	60.4	56.4	41.1	80.1
0645 – 0700	64.3	65.5	42.5	81.2

Appendix A8.4 – Sunday 7th June – Monday 8th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	60.6	59.8	39.2	83.1
2215 – 2230	61.8	60.5	38.8	80.7
2230 – 2245	61.1	55.2	38.0	85.7
2245 – 2300	54.8	47.3	36.8	76.9
2300 – 2315	55.6	49.0	36.4	77.7
2315 – 2330	56.6	48.2	34.8	78.3
2330 – 2345	56.1	48.0	36.5	77.9
2345 – 0000	55.9	47.9	36.7	77.0
0000 – 0015	55.3	49.8	35.5	75.0
0015 – 0030	51.7	41.3	34.6	78.7
0030 – 0045	52.9	41.9	35.0	76.7
0045 – 0100	45.5	39.5	34.8	69.9
0100 – 0115	52.1	40.8	34.4	75.6
0115 – 0130	56.8	42.3	34.2	80.8
0130 – 0145	52.5	41.3	33.7	75.7
0145 – 0200	53.2	44.4	33.9	77.2
0200 – 0215	47.7	39.8	34.3	73.5
0215 – 0230	52.2	46.6	37.2	74.9
0230 – 0245	39.7	41.7	37.1	46.2
0245 – 0300	38.7	40.6	36.2	46.2
0300 – 0315	39.4	41.6	35.8	46.9
0315 – 0330	56.6	47.8	39.0	79.2
0330 – 0345	59.8	54.9	40.6	79.6
0345 – 0400	57.6	52.5	40.0	78.3
0400 – 0415	56.6	51.2	41.2	78.6
0415 – 0430	54.2	51.3	41.4	75.1
0430 – 0445	59.0	53.9	42.1	79.4
0445 – 0500	61.7	61.9	43.8	78.4

Appendix A8.4 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	60.4	59.1	44.1	79.5
0515 – 0530	64.1	65.5	49.0	83.9
0530 – 0545	65.9	70.6	47.5	80.9
0545 – 0600	66.9	70.5	48.7	83.5
0600 – 0615	67.2	72.0	48.4	83.0
0615 – 0630	67.7	70.5	50.3	86.6
0630 – 0645	70.1	74.7	53.6	85.7
0645 – 0700	70.7	75.3	54.2	84.6

Appendix A8.5 – Monday 8th June – Tuesday 9th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	62.4	64.5	43.2	81.0
2215 – 2230	60.9	61.1	41.6	79.7
2230 – 2245	59.4	59.3	40.3	78.8
2245 – 2300	60.6	59.8	38.2	80.7
2300 – 2315	57.3	56.4	41.4	76.6
2315 – 2330	61.0	58.4	38.5	83.4
2330 – 2345	57.0	52.5	38.4	78.8
2345 – 0000	60.9	58.5	37.6	82.9
0000 – 0015	59.1	56.2	35.9	80.5
0015 – 0030	62.9	57.4	35.7	85.5
0030 – 0045	50.2	44.2	33.6	72.8
0045 – 0100	54.3	45.7	34.6	77.6
0100 – 0115	59.6	57.0	36.5	78.7
0115 – 0130	58.1	55.1	34.7	77.5
0130 – 0145	54.8	47.6	36.4	77.6
0145 – 0200	56.7	52.3	36.2	77.0
0200 – 0215	57.1	51.0	35.7	81.4
0215 – 0230	50.7	46.4	36.5	73.2
0230 – 0245	55.5	46.0	36.5	78.3
0245 – 0300	52.5	46.0	37.7	74.1
0300 – 0315	56.5	50.0	36.8	77.3
0315 – 0330	53.8	48.7	38.2	73.0
0330 – 0345	59.4	57.5	43.7	77.7
0345 – 0400	58.0	56.2	45.7	76.3
0400 – 0415	60.1	58.4	45.6	80.6
0415 – 0430	60.0	58.8	44.4	79.1
0430 – 0445	61.5	59.0	45.4	79.4
0445 – 0500	62.2	59.6	46.3	81.3

Appendix A8.5 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	61.1	61.0	48.5	77.9
0515 – 0530	66.1	67.8	49.9	84.9
0530 – 0545	66.5	69.4	50.3	84.9
0545 – 0600	66.5	70.8	50.4	83.2
0600 – 0615	65.6	69.4	50.3	83.1
0615 – 0630	67.1	71.2	52.0	81.3
0630 – 0645	68.4	72.7	53.3	86.0
0645 – 0700	69.0	73.5	53	83.1

Appendix A8.6 – Tuesday 9th June – Wednesday 10th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	62.0	64.8	43.6	78.4
2215 – 2230	60.9	61.3	43.5	80.7
2230 – 2245	61.0	63.6	42.8	77.4
2245 – 2300	58.1	57.2	40.5	77.2
2300 – 2315	59.6	60.9	40.5	77.0
2315 – 2330	57.8	53.7	38.4	79.3
2330 – 2345	59.0	57.9	39.1	79.1
2345 – 0000	58.7	57.0	39.3	80.1
0000 – 0015	57.9	56.1	39.8	77.6
0015 – 0030	56.8	48.6	37.1	81.4
0030 – 0045	56.9	54.0	36.9	75.9
0045 – 0100	52.8	44.1	36.1	74.6
0100 – 0115	59.4	55.7	34.4	79.6
0115 – 0130	53.1	50.8	35.6	73.4
0130 – 0145	52.4	45.0	36.4	76.3
0145 – 0200	52.5	45.8	35.6	77.3
0200 – 0215	52.6	47.6	34.6	73.8
0215 – 0230	56.8	46.2	36.9	80.5
0230 – 0245	52.2	47.4	36.7	75.8
0245 – 0300	55.3	50.4	40.4	79.8
0300 – 0315	56.2	50.3	37.9	79.8
0315 – 0330	54.5	46.6	37.4	77.7
0330 – 0345	58.0	54.9	39.7	76.7
0345 – 0400	59.4	57.6	42.2	81.0
0400 – 0415	52.2	54.0	44.4	70.6
0415 – 0430	57.6	54.7	44.0	76.5
0430 – 0445	60.5	59.0	44.2	78.3
0445 – 0500	61.3	60.6	45.0	79.7

Appendix A8.6 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	63.7	61.2	46.1	85.1
0515 – 0530	63.4	64.3	44.2	84.1
0530 – 0545	65.5	69.6	48.3	80.9
0545 – 0600	65.8	70.1	48.1	81.8
0600 – 0615	64.4	68.3	48.2	83.0
0615 – 0630	67.2	71.5	48.5	82.2
0630 – 0645	67.6	71.8	50.3	86.9
0645 – 0700	69.2	73.4	51.5	86.4

Appendix A9 Southern Site Boundary (daytime & evening periods)

Appendix A9.1 – Thursday 4th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1100 – 1200	40.8	43.7	33.9	58.4
1200 – 1300	43.3	45.4	35.1	79.8
1300 – 1400	42.2	45.4	34.2	59.3
1400 – 1500	41.3	43.6	34.5	67.7
1500 – 1600	41.5	44.6	35.0	56.8
1600 – 1700	42.2	44.3	33.5	67.3
1700 – 1800	43.1	40.6	31.0	69.1
1800 – 1900	45.5	41.1	30.0	73.5

Appendix A9.2 – Thursday 4th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	53.5	45.1	28.6	81.6
2000 – 2100	56.9	41.6	24.1	92.1
2100 – 2200	30.7	31.8	22.6	56.2

Appendix A9.3 – Friday 5th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	40.2	42.7	33.6	60.5
0800 – 0900	42.1	42.6	33.9	67.8
0900 – 1000	44.6	48.8	34.3	65.6
1000 – 1100	44.9	47.7	38.4	71.7
1100 – 1200	43.8	46.6	37.2	64.5
1200 – 1300	45.7	46.4	36.3	71.4
1300 – 1400	44.2	44.4	35.9	70.0
1400 – 1500	44.6	46.8	34.7	70.4
1500 – 1600	44.8	48.3	35.1	72.7
1600 – 1700	45.2	47.9	35.3	69.8
1700 – 1800	41.4	42.5	32.7	64.7
1800 – 1900	43.0	45.0	33.1	67.1

Appendix A9.4 – Friday 5th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	36.3	38.9	30.3	57.0
2000 – 2100	34.2	36.5	28.4	58.2
2100 – 2200	31.4	32.9	21.9	52.8

Appendix A9.5 – Saturday 6th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	44.4	47.4	36.9	65.4
0800 – 0900	46.3	49.5	38.2	69.2
0900 – 1000	46.4	49.8	38.3	65.1
1000 – 1100	46.1	47.2	37.8	70.9
1100 – 1200	44.2	46.4	39.6	62.6
1200 – 1300	43.5	46.2	37.5	66.5
1300 – 1400	41.0	43.4	35.0	62.4
1400 – 1500	44.3	46.2	38.0	66.3
1500 – 1600	43.9	47.2	35.1	63.9
1600 – 1700	46.2	48.9	37.9	65.2
1700 – 1800	52.6	53.3	31.3	85.5
1800 – 1900	44.9	45.2	29.3	74.7

Appendix A9.6 – Saturday 6th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	39.2	40.1	27.3	71.4
2000 – 2100	32.3	34.4	23.9	57.2
2100 – 2200	39.3	43.1	24.1	63.2

Appendix A9.7 – Sunday 7th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	32.7	34.5	26.1	62.0
0800 – 0900	33.8	35.6	26.0	57.7
0900 – 1000	33.3	35.6	25.8	56.7
1000 – 1100	36.6	36.5	26.8	61.9
1100 – 1200	36.4	39.7	28.6	60.4
1200 – 1300	35.1	37.8	28.3	59.5
1300 – 1400	36.0	36.2	26.9	60.3
1400 – 1500	32.8	34.9	26.6	54.8
1500 – 1600	38.9	43.3	26.1	62.2
1600 – 1700	30.3	32.5	25.6	51.9
1700 – 1800	37.4	39.7	26.5	59.2
1800 – 1900	36.5	38.0	29.0	67.5

Appendix A9.8 – Sunday 7th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	40.0	35.6	27.6	64.0
2000 – 2100	37.0	35.0	26.5	62.8
2100 – 2200	29.7	31.2	25.1	56.5

Appendix A9.9 – Monday 8th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	40.0	42.1	36.6	60.0
0800 – 0900	42.4	44.7	36.9	70.3
0900 – 1000	41.0	43.3	35.9	66.2
1000 – 1100	41.3	43.9	36.5	59.1
1100 – 1200	41.4	44.1	35.8	65.3
1200 – 1300	42.6	45.1	35.8	66.2
1300 – 1400	41.8	44.4	35.5	68.5
1400 – 1500	43.6	45.0	36.2	75.6
1500 – 1600	43.1	45.4	36.0	61.8
1600 – 1700	45.1	45.5	35.1	71.0
1700 – 1800	38.9	39.9	34.1	64.8
1800 – 1900	41.5	41.5	34.4	67.6

Appendix A9.10 – Monday 8th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	37.2	39.3	33.0	52.6
2000 – 2100	41.5	39.8	31.8	65.7
2100 – 2200	34.6	37.9	28.0	54.0

Appendix A9.11 – Tuesday 9th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	39.8	41.6	34.4	64.1
0800 – 0900	40.4	41.9	33.6	71.8
0900 – 1000	48.9	42.4	30.7	87.8
1000 – 1100	39.5	41.1	31.6	74.3
1100 – 1200	41.5	40.6	30.5	68.0
1200 – 1300	50.7	43.7	32.0	78.6
1300 – 1400	42.2	43.0	34.9	69.2
1400 – 1500	39.1	40.6	31.0	70.7
1500 – 1600	42.5	45.0	37.0	62.6
1600 – 1700	44.0	44.1	36.8	67.6
1700 – 1800	38.2	40.2	33.9	53.8
1800 – 1900	36.6	38.8	32.6	58.2

Appendix A9.12 – Tuesday 9th June 2020 (evening period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
1900 – 2000	37.8	38.1	31.4	64.1
2000 – 2100	36.8	38.8	32.7	55.3
2100 – 2200	38.9	40.3	35.4	56.3

Appendix A9.13 – Wednesday 10th June 2020 (daytime period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0700 – 0800	38.4	40.7	34.6	53.3
0800 – 0900	45.5	44.2	37.8	71.7
0900 – 1000	46.2	46.5	41.1	66.3
1000 – 1100	47.2	49.4	43.7	61.3
1100 – 1200	45.8	46.9	37.7	68.3
1200 – 1300	41.8	44.2	36.1	58.6
1300 – 1400	50.3	45.3	36.3	77.7
1400 – 1500	41.2	44.1	34.9	58.4

Appendix A10 Southern Site Boundary (night-time period)

Appendix A10.1 – Thursday 4th June – Friday 5th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	31.1	35.6	23.3	43.2
2215 – 2230	28.7	28.3	22.9	42.5
2230 – 2245	25.5	27.4	23.1	31.4
2245 – 2300	27.7	30.6	23.8	35.7
2300 – 2315	27.3	29.9	23.3	41.9
2315 – 2330	34.4	35.8	25.2	60.5
2330 – 2345	27.0	29.0	24.1	38.5
2345 – 0000	38.0	36.4	24.4	58.5
0000 – 0015	31.3	34.3	23.6	46.4
0015 – 0030	26.9	28.1	23.6	44.1
0030 – 0045	32.6	32.0	25.3	51.0
0045 – 0100	26.8	29.0	24.0	34.2
0100 – 0115	27.2	30.0	23.3	34.7
0115 – 0130	25.1	26.6	23.2	32.3
0130 – 0145	24.1	26.8	19.9	39.1
0145 – 0200	23.8	26.3	20.1	40.3
0200 – 0215	37.2	40.4	29.0	46.2
0215 – 0230	28.9	32.3	23.3	45.9
0230 – 0245	25.4	27.4	23.2	33.4
0245 – 0300	31.6	37.1	23.5	51.8
0300 – 0315	39.6	43.6	31.7	51.4
0315 – 0330	41.9	46.8	29.1	50.7
0330 – 0345	42.5	47.7	32.5	52.6
0345 – 0400	35.4	39.6	27.3	45.0
0400 – 0415	38.0	42.4	28.0	49.6
0415 – 0430	33.8	36.7	29.1	41.1
0430 – 0445	34.8	37.1	27.8	46.6
0445 – 0500	36.0	38.2	29.4	53.1

Appendix A10.1 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	37.6	40.4	31.8	49.3
0515 – 0530	36.8	39.8	31.4	51.2
0530 – 0545	37.4	40.1	31.5	55.7
0545 – 0600	35.8	37.9	30.9	51.4
0600 – 0615	36.4	39.0	31.2	51.3
0615 – 0630	34.2	36.7	30.3	47.2
0630 – 0645	35.4	38.1	30.7	46.1
0645 – 0700	37.8	39.2	32.3	56.0

Appendix A10.2 – Friday 5th June – Saturday 6th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	32.3	29.5	21.2	48.2
2215 – 2230	24.3	25.9	22.6	33.5
2230 – 2245	35.8	37.0	23.8	52.1
2245 – 2300	25.6	27.1	23.6	33.2
2300 – 2315	27.2	30.3	23	39.1
2315 – 2330	25.6	27.3	23.3	39
2330 – 2345	25.2	26.4	23.3	33.9
2345 – 0000	23.8	24.2	22.1	36.3
0000 – 0015	23.3	24.6	21.4	27.1
0015 – 0030	22.2	23.9	20.3	33.5
0030 – 0045	24.5	25.9	22.3	33.1
0045 – 0100	28.8	28.1	21.9	53.5
0100 – 0115	24.0	25.3	22.4	32.1
0115 – 0130	24.3	25.4	22.5	36.7
0130 – 0145	24.2	25.4	21.6	35
0145 – 0200	23.2	25.0	21.1	32.5
0200 – 0215	25.1	26.0	22.6	42.9
0215 – 0230	27.2	26.8	23.5	52.3
0230 – 0245	26.3	27.9	23.8	37.6
0245 – 0300	28.3	29.6	24.9	41.9
0300 – 0315	29.5	30.3	24.2	50.8
0315 – 0330	25.7	27.3	23.7	32.1
0330 – 0345	28.9	31.0	25.4	40.2
0345 – 0400	32.9	36.1	27.5	44.7
0400 – 0415	33.5	34.3	28.8	55
0415 – 0430	35.0	36.3	29.6	53.6
0430 – 0445	36.2	38.7	31.2	49.4
0445 – 0500	37.3	39.4	32.8	50.4

Appendix A10.2 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	38.6	41.0	34.0	51.7
0515 – 0530	41.0	42.7	34.9	57.0
0530 – 0545	39.9	42.6	34.4	52.7
0545 – 0600	38.3	41.0	33.8	49.1
0600 – 0615	37.8	39.6	33.8	52.7
0615 – 0630	37.9	40.2	33.4	49.6
0630 – 0645	41.3	44.1	34.9	55.2
0645 – 0700	43.1	46.4	37.1	56.4

Appendix A10.3 – Saturday 6th June – Sunday 7th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	27.7	30.4	22.0	41.7
2215 – 2230	39.2	40.2	20.9	55.4
2230 – 2245	32.3	36.7	21.6	47.7
2245 – 2300	43.1	31.1	21.2	58.2
2300 – 2315	31.8	30.4	22.8	51.2
2315 – 2330	24.3	26.0	22.1	34.8
2330 – 2345	23.5	25.3	20.8	32.2
2345 – 0000	23.2	25.6	20.7	32.5
0000 – 0015	26.0	28.1	23.3	34.2
0015 – 0030	23.8	25.7	21.4	33.1
0030 – 0045	22.8	24.7	20.5	31.0
0045 – 0100	23.3	25.3	20.6	30.0
0100 – 0115	24.3	26.1	21.1	38.5
0115 – 0130	25.8	26.9	22.5	42.2
0130 – 0145	23.6	25.4	21.4	30.0
0145 – 0200	22.2	23.8	20.7	30.3
0200 – 0215	22.1	23.8	20.2	29.3
0215 – 0230	22.3	24.5	20.3	30.8
0230 – 0245	23.2	24.9	21.2	31.4
0245 – 0300	23.4	25.0	21.0	36.2
0300 – 0315	24.9	27.5	21.0	36.9
0315 – 0330	25.4	28.0	21.5	38.2
0330 – 0345	26.1	28.1	21.5	44.1
0345 – 0400	32.2	35.2	27.0	42.1
0400 – 0415	32.1	34.7	27.7	42.1
0415 – 0430	34.0	36.3	29.5	48.2
0430 – 0445	33.3	36.0	28.6	43.6
0445 – 0500	35.8	39.0	29.3	51.4

Appendix A10.3 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	38.2	38.0	28.2	56.3
0515 – 0530	35.0	37.9	28.4	51.5
0530 – 0545	32.9	34.0	27.3	50.6
0545 – 0600	40.8	34.5	27.2	64.6
0600 – 0615	42.2	36.0	28.1	66.9
0615 – 0630	33.8	35.3	28.2	48.8
0630 – 0645	33.4	35.2	28.9	53.9
0645 – 0700	33.4	35.3	28.0	47.6

Appendix A10.4 – Sunday 7th June – Monday 8th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	27.1	28.0	24.3	45.2
2215 – 2230	29.1	30.9	25.2	42.4
2230 – 2245	27.3	28.9	24.9	35.1
2245 – 2300	27.4	29.1	24.2	40.7
2300 – 2315	30.2	32.7	23.6	45.4
2315 – 2330	25.9	27.8	22.9	40.6
2330 – 2345	25.9	27.6	23.6	32.0
2345 – 0000	27.0	28.3	24.2	40.6
0000 – 0015	25.2	26.9	23.1	36.1
0015 – 0030	23.6	24.9	21.9	34.9
0030 – 0045	24.2	25.6	22.5	31.4
0045 – 0100	24.9	26.4	23.4	31.7
0100 – 0115	26.1	28.0	22.9	40.2
0115 – 0130	24.4	26.2	22.2	31.4
0130 – 0145	24.7	26.3	22.4	37.1
0145 – 0200	24.8	26.3	21.9	38.1
0200 – 0215	25.2	26.9	22.7	35.2
0215 – 0230	28.1	31.0	24.4	34.7
0230 – 0245	28.2	29.7	25.2	42.8
0245 – 0300	27.3	28.5	25.0	42.8
0300 – 0315	27.2	28.8	25.1	35.6
0315 – 0330	27.8	29.4	25.9	38.0
0330 – 0345	28.0	30.2	25.1	36.5
0345 – 0400	30.5	33.0	26.7	39.8
0400 – 0415	33.1	35.2	29.9	45.8
0415 – 0430	33.8	35.6	31.0	44.2
0430 – 0445	36.6	37.7	31.5	54.9
0445 – 0500	36.0	38.6	32.3	45.1

Appendix A10.4 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	36.8	39.1	32.9	47.3
0515 – 0530	39.8	39.0	33.5	54.9
0530 – 0545	44.8	44.6	35.9	62.0
0545 – 0600	38.0	38.6	33.3	54.7
0600 – 0615	37.9	39.9	34.8	48.5
0615 – 0630	39.8	42.2	36.6	48.9
0630 – 0645	38.8	40.1	37.0	46.7
0645 – 0700	39.2	40.7	37.2	46.7

Appendix A10.5 – Monday 8th June – Tuesday 9th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	37.4	39.1	34.6	42.0
2215 – 2230	36.8	38.5	34.0	48.2
2230 – 2245	37.1	39.7	33.5	43.8
2245 – 2300	36.0	38.0	32.2	47.5
2300 – 2315	39.5	42.0	35.2	48.7
2315 – 2330	35.9	38.1	32.2	44.1
2330 – 2345	36.0	38.5	31.6	42.9
2345 – 0000	34.6	36.8	30.8	44.6
0000 – 0015	33.1	35.7	29.4	40.0
0015 – 0030	36.7	37.4	28.4	50.3
0030 – 0045	27.4	31.3	22.5	36.2
0045 – 0100	26.1	29.6	20.8	37.1
0100 – 0115	25.5	28.2	21.8	33.9
0115 – 0130	25.5	28.6	20.6	35.0
0130 – 0145	26.3	29.5	21.7	37.8
0145 – 0200	27.5	31.0	21.4	36.1
0200 – 0215	29.6	31.9	24.0	40.3
0215 – 0230	31.0	33.9	25.8	37.3
0230 – 0245	32.3	34.5	29.1	37.9
0245 – 0300	28.0	30.4	24.7	33.9
0300 – 0315	30.4	32.9	23.3	52.3
0315 – 0330	31.3	34.4	23.7	39.8
0330 – 0345	35.2	37.8	30.8	45.5
0345 – 0400	36.4	38.6	33.2	41.8
0400 – 0415	36.4	38.9	32.8	42.2
0415 – 0430	39.0	41.2	35.9	44.5
0430 – 0445	39.4	41.1	36.7	49.8
0445 – 0500	41.7	44.1	38.9	53.4

Appendix A10.5 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	43.7	45.6	40.7	51.7
0515 – 0530	45.1	46.8	42.1	51.0
0530 – 0545	46.4	48.2	43.9	51.4
0545 – 0600	45.7	47.5	42.5	61.4
0600 – 0615	45.1	47.1	42.5	52.2
0615 – 0630	45.7	46.7	43.0	63.0
0630 – 0645	42.6	44.3	40.7	47.3
0645 – 0700	43.3	45.0	40.4	56.0

Appendix A10.6 – Tuesday 9th June – Wednesday 10th 2020 (night-time period)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
2200 – 2215	38.8	41.7	33.5	45.8
2215 – 2230	37.7	40.0	33.7	46.9
2230 – 2245	39.2	40.5	35.6	51.8
2245 – 2300	37.9	40.6	33.8	48.3
2300 – 2315	42.8	39.3	33.0	61.5
2315 – 2330	36.0	38.2	32.6	45.1
2330 – 2345	36.2	38.1	32.9	44.0
2345 – 0000	36.8	39.7	30.9	43.2
0000 – 0015	36.7	38.7	33.5	46.7
0015 – 0030	36.0	38.0	31.3	47.2
0030 – 0045	32.4	35.2	27.6	42.3
0045 – 0100	31.1	33.9	26.1	43.9
0100 – 0115	33.6	36.1	28.2	39.2
0115 – 0130	34.9	36.5	32.7	43.5
0130 – 0145	37.3	39.3	34.7	43.1
0145 – 0200	37.2	39.4	34.1	45.7
0200 – 0215	36.8	38.7	33.7	50.6
0215 – 0230	36.6	38.7	33.1	45.1
0230 – 0245	37.0	38.7	34.7	43.6
0245 – 0300	37.2	39.3	33.5	41.9
0300 – 0315	35.0	37.7	28.3	41.8
0315 – 0330	35.4	37.2	32.7	43.8
0330 – 0345	35.8	38.1	32.6	42.9
0345 – 0400	36.5	38.1	34.2	42.0
0400 – 0415	37.9	39.5	35.7	43.5
0415 – 0430	38.6	40.8	35.7	43.6
0430 – 0445	37.7	39.8	34.1	47.4
0445 – 0500	36.8	38.7	32.7	48.8

Appendix A10.6 (Continued)

Monitoring Period	Statistical Parameters (dB)			
	L_{Aeq}	L_{A10}	L_{A90}	$L_{Amax,f}$
0500 – 0515	40.9	43.0	34.2	54.8
0515 – 0530	40.1	42.2	34.5	53.6
0530 – 0545	35.2	36.5	30.9	50.2
0545 – 0600	37.8	39.3	29.8	56.4
0600 – 0615	37.6	39.6	31.5	53.8
0615 – 0630	41.9	42.6	33.7	60.6
0630 – 0645	37.6	39.2	35.5	47.8
0645 – 0700	37.2	38.8	34.9	42.8