

PROJECT: Reliance Street, Manchester – Noise Acceptance Testing

CLIENT: I & H Brown

DOCUMENT TITLE: Test 3B

REPORT REFERENCE: 298369-RSK-TN-004(00)

INTRODUCTION

RSK Acoustics has been instructed by I & H Brown to undertake noise ‘acceptance tests’ at their Reliance Street, Manchester site. The monitoring exercise was conducted over a period of 4 weeks, from 22/04/2022 – 20/05/2022.

The acceptance tests were conducted under load conditions similar to those expected during normal operation of the Reliance Street MTR, Newton Heath, to evidence the maximum design throughput as set out within the Employer’s Requirements.

The purpose of Acceptance Test 3B is to determine the operational noise impact of the site on nearby noise sensitive receptors. A document titled *Part 2: Acceptance Test: Reliance Street MCR, Newton Heath* was provided to RSK detailing the following acceptance Test 3B Requirement:

ASSESSMENT CRITERIA

Test 3B:

A background sound monitoring survey shall be carried out in a manner agreed with the Employer. The rating level ($L_{A,T}$) for the development shall be controlled such that when measured at a representative location to be agreed with the Local Environmental Officer (or equivalent) and measured at 1-metre from the nearest façade of the agreed location shall not exceed 5 dB below the background sound level, ($L_{A90,T}$).

Any assessment should be undertaken as per the guidance provided in BS 4142:2014 and undertaken by a competent acoustic specialist who is a member of the Institute of Acoustics

Test 3B shall be measured every two (2) days during a period of four (4) Operational Weeks. Noise levels shall be measured in accordance with British Standard BS 4142:2014 Methods for Rating and Assessing Industrial and Commercial Sound.

BS 4142:2014+A1:2019 METHODS FOR RATING AND ASSESSING INDUSTRIAL AND COMMERCIAL SOUND

BS 4142:2014+A1:2019 describes the methods for rating and assessing noise of an industrial or commercial nature applicable for the purpose of assessing sound at existing dwellings, through the determination of a rating level of an industrial or commercial noise source. The standard includes the following:

- Sound for industrial and manufacturing processes;

- Sound from fixed installations which comprise mechanical and electrical plant and equipment;
- Sound from the loading and unloading of goods and materials at industrial and/or commercial premises; and
- Sound from mobile plant and vehicles that are an intrinsic part of the overall sound emanating from the premises or processes, such as that from forklift trucks, or that from train or ship movements on or around an industrial and/or commercial site.

Where certain acoustic features are present at the assessment location, a character correction should be applied to the specific sound level to give the rating level to be used in the assessment. The standard presents subjective and objective methods for determining the application of feature corrections depending on the character of the specific sound source, against the existing baseline noise climate. The difference between the background noise level and the noise rating (including any penalties) is then calculated.

- A difference of around +10 dB or more above the existing background is likely to be an indication of a significant adverse impact, depending on the context.
- A difference of around +5 dB above the existing background is likely to be an indication of adverse impact depending on the context.
- Where the rating level does not exceed the background sound level, this is an indication of the specific sound source having a low impact, depending on the context.

As indicated above, the significance of sound of an industrial and/or commercial nature depends upon both the margin by which the rating level of the specific sound source exceeds the background sound level and the context in which the sound occurs. BS4142 states that *'An effective assessment cannot be conducted without an understanding of the reason(s) for the assessment and the context in which the sound occurs/will occur. When making assessments and arriving at decisions, therefore, it is essential to place the sound in context'*.

Where the initial estimate of the impact needs to be modified due to the context, all pertinent factors should be taken into account, including:

- The absolute level;
- The character and level of the residual sound; and
- The sensitivity of the receptor and whether dwellings will already (or likely) to incorporate design measures that secure good internal and/or outdoor acoustic conditions, such as: i) façade insulation treatments, ii) ventilation and/or cooling, and iii) acoustic screening.

CONSULTATION AND LIMITATIONS TO THE ASSESSMENT

The following points were raised regarding the Test 3B acceptance test requirements and an adapted monitoring and assessment methodology was proposed:

- Any measurements at nearby receptors would be inclusive of background noise and therefore, a negative value (such as -5 dB below background as per Test 3B criteria) could not be measured. As such, in order to quantify the background sound levels, inclusive of the site's previously existing operation, I & H Brown provided RSK with historical noise level data, measured in June 2018 by Wood Consultants and presented in report reference 18474i1.
- As detailed above, it is not possible to monitor only the site's noise level contribution at 1-m from the façade of nearby receptors or representative location, without also capturing the existing background sound level, including noise sources not associated with the site. Instead, in order to determine the site's contribution to the noise climate at nearby receptors, a combination of attended plant noise measurements, unattended long-term monitoring and predictive noise modelling would be utilised, which would be conducted in accordance with BS 4142.
- Part of the Test 3B requirement, was that the site's contribution to the noise climate at nearby receptors shall be measured every two days during a period of four Operational Weeks. In order to determine this, it was proposed that in addition to the attended plant measurements, an unattended noise logger would be placed at a location within proximity to the site's external plant that has varying sound level output, for the 22/04/2022 – 20/05/2022 monitoring period. The measured noise levels from the unattended logger would be calibrated, within a noise model, to the attended measured plant noise and operational assumptions detailed in Table 1.1 of the present Technical Note. The purpose of this exercise was to fulfil the testing requirement by determining the consistency of the site's operational noise levels and its contribution to the noise climate at nearby receptors over the four-week period. Furthermore, this method would allow the capture of the various simultaneously occurring plant noise emissions throughout the site's operational hours (07:00-18:00). RSK Acoustics would then utilise this data to inform an operational assessment.

MONITORING METHODOLOGY

Short-term Attended Sound Level Measurements (Plant Noise Measurements)

In order to individually quantify the plant noise levels on site, sound level measurements were undertaken at 1m distance from fixed plant items and as close as safely possible from transient noise generating activities, such as loading and unloading operations. Where plant measurements were not possible, RSK has utilised manufacturers data.

Sound level measurements were conducted in 1/3 octave bands, in order to ascertain the frequency range of the noise sources.

Plant noise data is provided in terms of broadband sound levels in Table 1.1 overleaf and, where measured in 1/3 octave bands, detailed in Appendix 1.

Table 1.1 Plant Sound Level Data

Plant Item	Plant Sound Level (dB(A))	Data Source & Measurement Date	Operational Assumptions
**A) Fan (on hardstanding) - Extractor Fan (F104)	87.8 Sound Pressure Level	Measured at 1m April 2022	Steady state noise source, 100% on-time
**B) Powerpack	88.7 Sound Pressure Level	Measured at 1m July 2021	Steady state noise source, 100% on-time
**C) Recirculation Pump	-	Noise source no longer present (April 2022).	
*Compacter pump	84.7 Sound Pressure Level	Measured at 1m July 2021	25% on-time 3 x plant items
*Shredder	86.9 Sound Pressure Level	Measured at 1m July 2021	Steady state noise, source 100% on-time
*Volvo L120H Front Loader	106.0 Sound Power Level	Manufacturer's data July 2021	100% on-time
**D) Loading Bay Alarm	74.8 Sound Pressure Level	Measured at 2m February 2022	5% on-time
**E) Konegranes 3068 loading / unloading	99.3 Sound Pressure Level	Measured at 8m July 2021	25% on-time

* It should be noted that measurements undertaken of plant or activities internal to the building of the waste recycling facility have not been taken forward and included within the assessment, as they were not audible to the exterior of the building at the site's boundaries and thus would not contribute to the acoustic environment at nearby receptors.

** Lettered plant items are depicted in Figure 1.2 below, which shows their position on site and proximity to surrounding receptors.

Plant that is operational on site but not listed within the above table is considered not to be a significant source of noise with regards to the acoustic environment at nearby receptors.

Long-term Unattended Sound Level Measurements

Long-term unattended sound level measurements were conducted over a period of 4 weeks; from 22/04/2022 – 20/05/2022, in proximity to plant and sound sources that had varying sound level output.

Figures 1.1 – 1.2 below show the location of the unattended sound level meters.

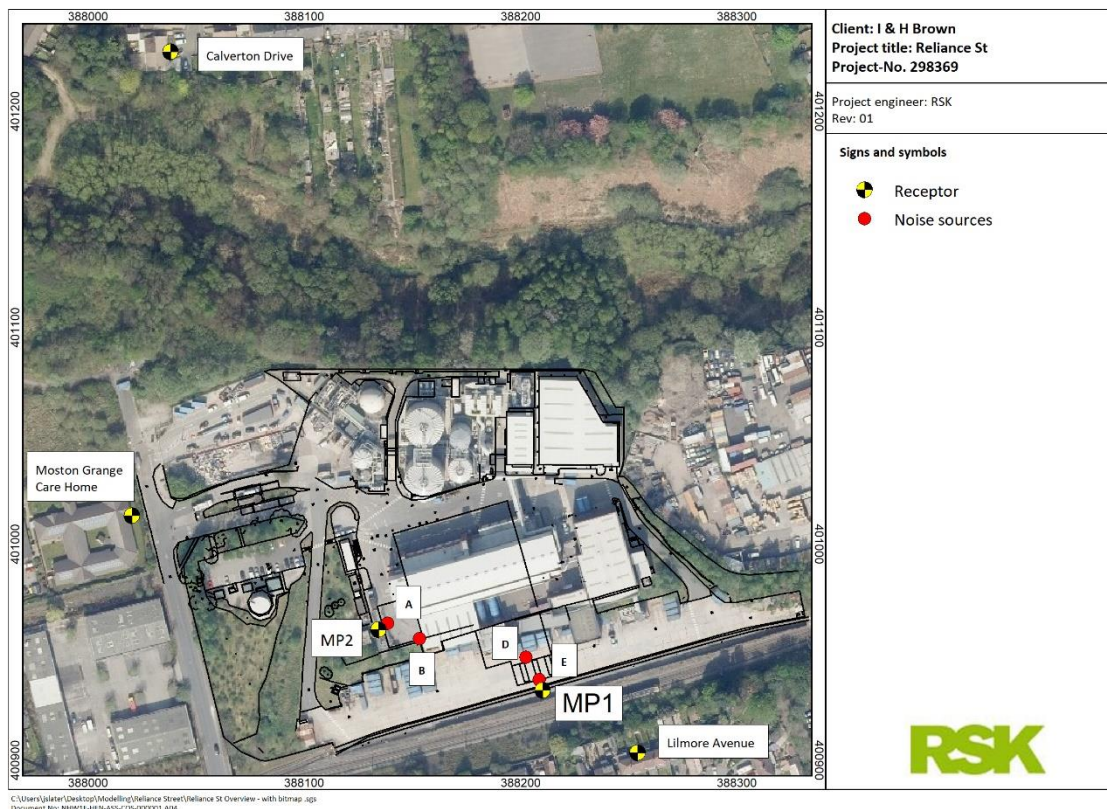


Figure 1.1 Long-term Unattended Sound Level Measurement Position – MP1



Figure 1.2 Long-term Unattended Sound Level Measurement Position – MP2

Figure 1.3 Modelled Plant Item Locations



Survey Equipment

Noise monitoring was undertaken using the equipment detailed in Table 1.2, below:

Table 1.2 Monitoring Equipment

Equipment	Type	Serial number	Calibration Date
Class 1 Sound Level Meter	Rion NL-52	1265455	18/01/2022
Class 1 Sound Level Meter	Rion NL-52	00976176	19/08/2021
Acoustic Calibrator	Rion NC-74	34425552	06/07/2021

All measurements were undertaken in free field conditions with the microphone positioned away from reflecting surfaces. Long term measurements were taken at 1.5 m above the ground height to the requirements of BS 7445.

A field verification was undertaken before and after the measurements, using the acoustic calibrator at 94 dB at 1 kHz; no significant calibration drift was noted.

The sound level meters used conform to the requirements of BS EN 61672-1: 2013 Electroacoustics. Sound level meter, Specifications. The calibrator used conforms to the requirements of BS EN 60942: 2018

Electroacoustics, Sound calibrators. The equipment used has a calibration history that is traceable to a certified calibration institution. Under BS EN 61672-1, Sound Level Meters are required for calibration every 2 years, with acoustic calibrators requiring calibration annually.

MONITORING RESULTS

Noise levels were measured continuously throughout the 22/04/2022 – 20/05/2022 monitoring period. Unattended measurements were taken at two locations, one at the Reliance Street site's southern boundary (MP1), in proximity to loading bays, and one in proximity to new fixed plant items (MP2). Noise levels have been measured over consecutive hourly intervals. Unattended long term noise level monitoring results are presented in Appendix 2.

The measured on-site noise levels at the unattended Reliance Street Site Boundary (MP1) monitoring position show fluctuation throughout the monitoring period in the range of 54 dB – 71 dB. As such, this is considered to show the variation in noise levels from mobile plant operating in close proximity, such as loading bay activities.

The measured on-site noise levels at a distance of 5m from the fixed plant items (MP2) monitoring position, show reasonably steady noise levels throughout the monitoring period in the range of 71 dB – 74 dB. As such, this is considered to show the on-site plant operating consistently with regards to sound level emissions throughout the entire monitoring period.

DERIVATION OF CRITERIA

As detailed above, in order to quantify the background sound levels, inclusive of the site's previously existing operation, I & H Brown provided RSK with historical noise level data, measured in June 2018 by Wood Consultants and presented in report reference *18474i1*.

Table 1.3 below details the representative background sound levels and associated Test 3B assessment criteria (background sound levels -5 dB), for the receptors considered in this assessment.

Table 1.3 Representative Background Sound Levels and Adopted Criteria at Receptors

Receptors	Representative Background Sound Level, L_{A90} (07:00 18:00)	Test 3B Adopted Assessment Criteria Noise Rating Level ($L_{Ar,Tr}$)
Dwellings on Lilmore Avenue	45	40
Moston Grange Care Home	43	38
Dwellings on Calvander Drive	38	33

NOISE MODELLING

A noise model has been established, based upon the attended plant sound level data and measurements detailed in Table 1.1, in order to represent the levels of noise to which the sensitive receptors are exposed. The noise model takes into consideration the ground elevation, ground absorption and features 3D representations of buildings.

Receptors have been chosen as representative of a larger number of neighbouring receptors. Neighbouring receptors are likely to experience similar magnitudes of noise. Predictions have been made using computation noise modelling software, SoundPlan v8.2. The modelling parameters are presented in Table 1.4.

Table 1.4 - Modelling parameters

Item	Setting
Algorithm	International Standard 9613-2:1996 ' <i>Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation</i> '.
Ground Absorption	Site Area - Acoustically hard (assumed 0.0 coefficient) Intervening ground between site and receptors – Acoustically soft (assumed 0.8 coefficient)
Met Conditions	10 degrees Celsius; 70% humidity; and Wind from source to receiver.
Façade Corrections	A free-field level predicted value at 1 meter from each receptor façade is taken into consideration for the purpose of the assessment.
Receptor Height	Ground Floor 1.5m above ground (due to site's daytime operation)
Source Modeling	Plant items have been modelled as point noise sources, with varying heights and positioning informed by plans issued by I & H Brown.
Source Data	Calculations are based on the plant measurements undertaken by RSK, manufacturer's data and operational information provided by I & H Brown in August 2021.
Terrain	Terrain data (LIDAR 2 m resolution elevation points, as provided by the Environmental Agency) has been included within the model.
Other	Calculations are based on the plant measurements undertaken by RSK and operational information provided by I & H Brown in August 2021.

It should be noted that modelling is widely accepted as being the preferred method for calculation as it can incorporate complex terrain, ground absorption and source locations to a higher degree of accuracy than spreadsheets.

Model Validation

The noise model has been built based upon the plant noise measurements and operational assumptions detailed in Table 1.1 and modelling parameters detailed in Table 1.4. Within the model, calibration points (MP1 and MP2) have been placed at the unattended noise monitor locations. The modelled noise levels at the calibration point, as well as at the receptors included within the assessment, are detailed in Table 1.5 below. This process has been conducted in order to determine the consistency of the site's operational

noise levels and its subsequent contribution to the noise climate at nearby receptors throughout the four-week monitoring period.

Table 1.5 Modelled Noise Levels at Receptors based on Plant Sound Level Data

Receptor	Predicted Noise Level at Receptor, $L_{Aeq, 1hr}$
MP1	72
MP2	75
Dwellings on Lilmore Avenue	37
Moston Grange Care Home	38
Dwellings on Calverton Drive	33

RESULTS AND ASSESSMENT

The results of the modelled scenario shown in Table 1.5 are presented alongside the Test 3B Assessment criteria in Table 1.6 below.

Table 1.6 Test 3B Criteria and Predicted Noise Levels

Receptor	Test 3B Criteria ($L_{A,T,r}$)	Predicted Noise Level at Receptor, $L_{Aeq, T}$ (dB)	Excess over Criteria (dB)
MP1	-	72	N/A
MP2	-	75	N/A
Dwellings on Lilmore Avenue	40	37	-3
Moston Grange Care Home	38	38	0
Dwellings on Calverton Drive	33	33	0

Based upon the noise level measurements taken at MP1 and MP2 and the predicted noise levels at the above receptors, Test 3B criteria has been not been exceeded.

BS 4142 Initial Assessment – Specific Sound Levels

Based upon the predicted specific sound levels detailed in Table 1.6 and the measured hourly L_{Aeq} levels detailed in Appendix 2, it is predicted that no exceedances to the Test 3B criteria would have occurred at nearby receptors during the monitoring period (22/04/2022 – 20/05/2022). Worst case measured hourly L_{Aeq} levels did not exceed 72 dB at MP1 or 75 dB at MP2, as such the received noise levels at the receptors were in compliance with the Test 3B criteria of 5dB below background sound levels.

BS 4142 states that context should also be considered when determining noise impact at nearby receptors.

BS 4142 - Context

It should be noted that the areas surrounding site contain various existing industrial facilities, some of which are of a similar operational nature and therefore the site is not considered to be out of character with the

existing acoustic environment. In addition to this, the site is not new and has previously operated as a waste treatment / recycling facility, with similar operations have historically taken place at the same location.

Due to the above factors, it is not considered necessary to add any feature corrections/rating penalties to the specific sound levels.

CONCLUSION

Predicted noise rating levels at Calverton Drive, Moston Grange Care Home and Lilmore Avenue met the Test 3B assessment criteria throughout the monitoring period (22/04/2022 – 20/05/2022).

Following on from this initial compliance assessment, it can be confirmed by RSK Acoustics that further mitigation is not required in order to comply with the Test 3B criteria.

APPENDIX 1 PLANT SOUND POWER LEVEL DATA IN 1/3 OCTAVE BANDS

Figure A1.1 Fan – on hardstanding (April 2022)

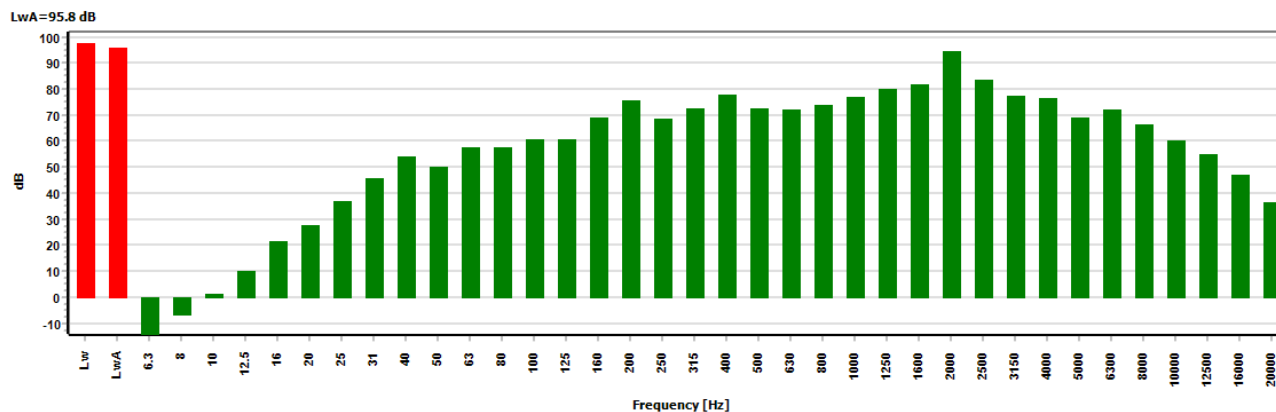


Figure A1.2 Powerpack (July 2021)

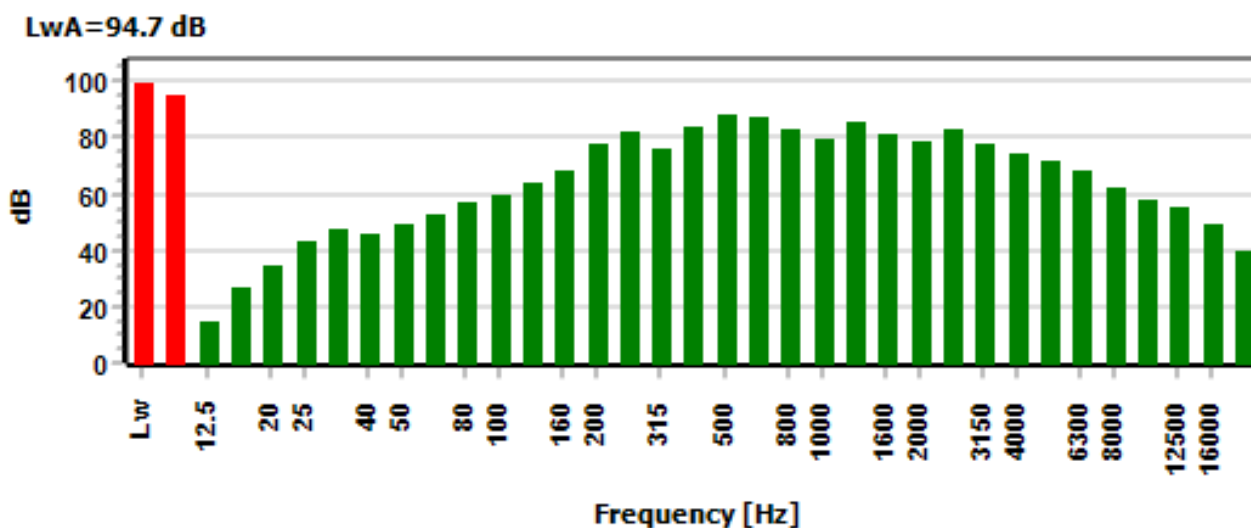


Figure A1.3 Loading Bay Alarm (February 2022)

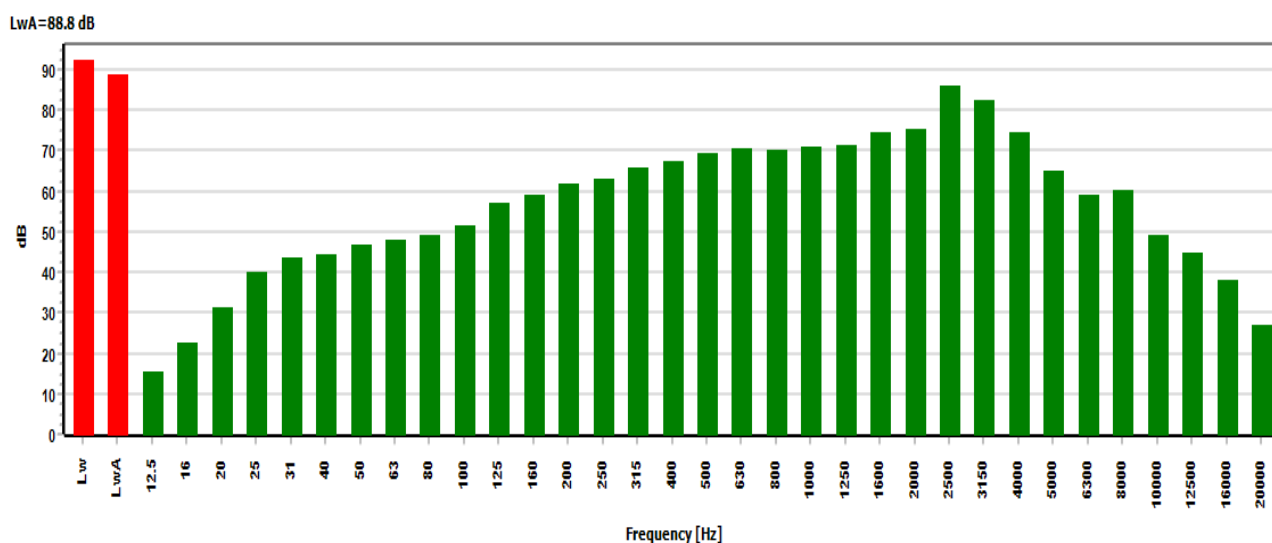
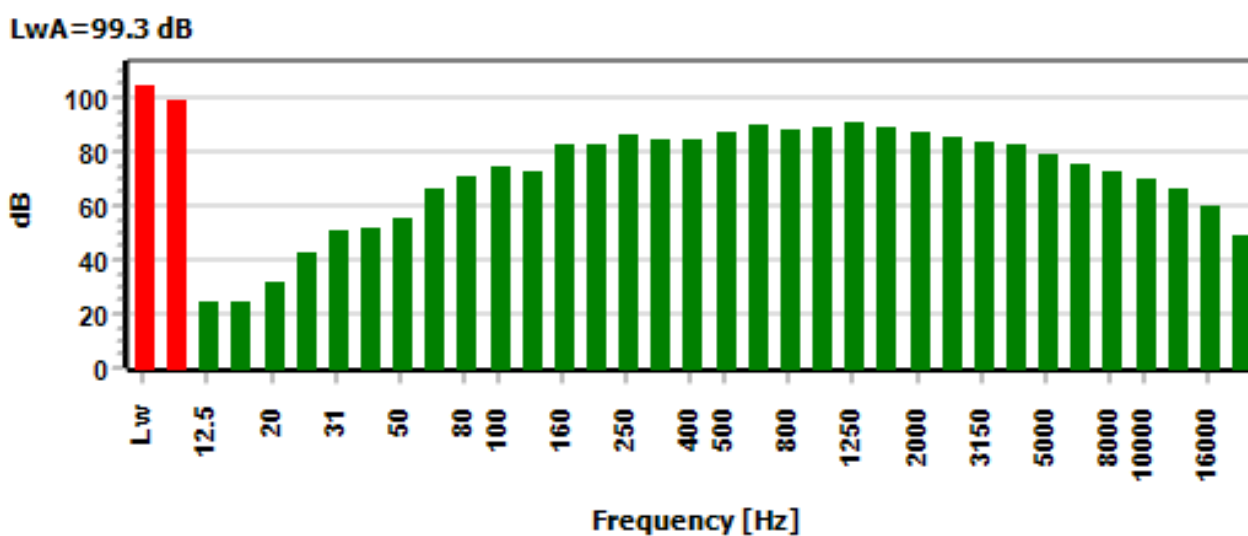


Figure A1.4 Konegranes 3068 Loading / unloading (July 2021)



APPENDIX 2 Unattended Hourly Long Term Noise Level Monitoring Results

Figure A2.1 Reliance Street Site Boundary (MP1) Results

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
22/04/2022	15:00	58.7	51.6	57.9
22/04/2022	16:00	66.4	50.9	61.1
22/04/2022	17:00	65.7	50.9	66.7
Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
23/04/2022	07:00	56.9	51	54
23/04/2022	08:00	57.8	51.2	56.8
23/04/2022	09:00	58.9	51.6	57.8
23/04/2022	10:00	58.9	50.9	57.2
23/04/2022	11:00	58.6	51.3	57.3
23/04/2022	12:00	60	53.2	59.5
23/04/2022	13:00	58.6	51.1	57.4
23/04/2022	14:00	59.3	51.2	58.1
23/04/2022	15:00	59	51.4	58.7
23/04/2022	16:00	58.9	51.3	57.8
23/04/2022	17:00	58.9	51.3	57.7
Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
24/04/2022	07:00	57	50.8	54.9
24/04/2022	08:00	56.5	50.5	53.9
24/04/2022	09:00	57.1	50.3	54.3
24/04/2022	10:00	56.2	50.3	53.7
24/04/2022	11:00	56.6	50.5	54.1
24/04/2022	12:00	56.5	50.2	53.8
24/04/2022	13:00	56.6	50.2	53.5
24/04/2022	14:00	56.3	49.9	53.4
24/04/2022	15:00	56.1	49.9	53.3
24/04/2022	16:00	56.2	49.8	53.1
24/04/2022	17:00	56.7	50	53.9

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
25/04/2022	07:00	60.9	51	61.7
25/04/2022	08:00	62.3	56.1	64
25/04/2022	09:00	61.4	55.3	61.4
25/04/2022	10:00	62.1	56.7	63.7
25/04/2022	11:00	63.1	56.2	65.2
25/04/2022	12:00	62.6	56.2	63.6
25/04/2022	13:00	66.8	56.3	70.5
25/04/2022	14:00	66.7	54.9	71.1
25/04/2022	15:00	66.6	55.7	69.2
25/04/2022	16:00	66.5	53.5	69.2
25/04/2022	17:00	67.1	54	67.4

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
26/04/2022	07:00	60.3	51	61.4
26/04/2022	08:00	67.4	56	70.5
26/04/2022	09:00	67.1	56.2	70.7
26/04/2022	10:00	64.7	54.6	67
26/04/2022	11:00	66.7	54.9	70.7
26/04/2022	12:00	67.5	55.1	71.6
26/04/2022	13:00	64.8	50.5	67.2
26/04/2022	14:00	59.1	49.6	56.2
26/04/2022	15:00	63.2	50.7	66.5
26/04/2022	16:00	65.7	50	66.3
26/04/2022	17:00	66.8	53.9	67.7

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
27/04/2022	07:00	69.2	50.9	71.7
27/04/2022	08:00	69.5	57.7	72.3
27/04/2022	09:00	66	57.4	68.4
27/04/2022	10:00	65.2	55.4	67.8
27/04/2022	11:00	65.4	57.3	67.9
27/04/2022	12:00	68.4	56.2	71.3
27/04/2022	13:00	66.3	55.2	70.7
27/04/2022	14:00	63	55.7	64

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
28/04/2022	07:00	65.2	50.7	68.7
28/04/2022	08:00	69.2	59.5	72.8
28/04/2022	09:00	70.8	56.7	74.3
28/04/2022	10:00	69.2	56.8	72.2
28/04/2022	11:00	66.6	56.1	70.4
28/04/2022	12:00	66.1	55.7	70.2
28/04/2022	13:00	63.7	55.7	67
28/04/2022	14:00	65.5	55.8	69.6
28/04/2022	15:00	62.6	54.1	64.2
28/04/2022	16:00	68.5	50.4	68.4
28/04/2022	17:00	61.8	47.5	61.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
29/04/2022	07:00	60.5	51	61.6
29/04/2022	08:00	63.5	57.1	65.1
29/04/2022	09:00	66.8	58.3	70.3
29/04/2022	10:00	66.4	53.7	69.5
29/04/2022	11:00	68	56.3	71.5
29/04/2022	12:00	65.5	56.4	68.4
29/04/2022	13:00	64.7	55.8	67.2
29/04/2022	14:00	63.8	49.3	67.7
29/04/2022	15:00	61	49.5	65
29/04/2022	16:00	64.7	49.9	61
29/04/2022	17:00	69	52.1	67.7

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
30/04/2022	07:00	64.1	49.9	68
30/04/2022	08:00	56.1	49	53.6
30/04/2022	09:00	58.4	48.9	55.7
30/04/2022	10:00	58.4	48.8	56.4
30/04/2022	11:00	58	48.8	55.3
30/04/2022	12:00	59.2	48.9	59.6
30/04/2022	13:00	58.4	49	58.8
30/04/2022	14:00	64	48.9	64.2
30/04/2022	15:00	67.3	48.2	67.3
30/04/2022	16:00	62.9	50.5	58
30/04/2022	17:00	58.5	50.3	56.5

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
01/05/2022	07:00	55.5	50.4	52.3
01/05/2022	08:00	56.1	50.4	52.9
01/05/2022	09:00	56.2	50.3	52.9
01/05/2022	10:00	56.3	50	53.6
01/05/2022	11:00	56.5	49.9	55.3
01/05/2022	12:00	55.5	49.7	53
01/05/2022	13:00	56	49.8	52.7
01/05/2022	14:00	55	49.8	51
01/05/2022	15:00	55.7	49.8	52.2
01/05/2022	16:00	55.2	49.9	53
01/05/2022	17:00	55.7	49.9	52.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
02/05/2022	07:00	56.4	50	56
02/05/2022	08:00	65.1	55	68.5
02/05/2022	09:00	65.9	59	68.8
02/05/2022	10:00	65.4	58.8	68.3
02/05/2022	11:00	68.3	57.1	71.5
02/05/2022	12:00	62.5	55.1	64.3
02/05/2022	13:00	66.4	57.2	66.7
02/05/2022	14:00	64.9	56.4	67.2
02/05/2022	15:00	67.7	57	71.2
02/05/2022	16:00	69.4	56.4	71.2
02/05/2022	17:00	62	55.4	63.6

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
03/05/2022	07:00	64.2	50.5	67.3
03/05/2022	08:00	63.8	55	65.8
03/05/2022	09:00	65.1	57.3	67.9
03/05/2022	10:00	65.2	55	67.8
03/05/2022	11:00	69.3	56.3	72.5
03/05/2022	12:00	68.8	55.8	72
03/05/2022	13:00	66.1	56.2	69.2
03/05/2022	14:00	70.1	58	73.4
03/05/2022	15:00	64.2	50	67.4
03/05/2022	16:00	68	49.7	68.8
03/05/2022	17:00	62.4	51.3	63.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
04/05/2022	07:00	60.3	50.7	61
04/05/2022	08:00	63	58.3	64.1
04/05/2022	09:00	68.7	59.6	70
04/05/2022	10:00	71.7	58.9	74.5
04/05/2022	11:00	66.3	57.6	70.2
04/05/2022	12:00	67.6	59.1	71.9
04/05/2022	13:00	68	58.5	70.6
04/05/2022	14:00	66	57	69.8
04/05/2022	15:00	65.9	51.2	69.9
04/05/2022	16:00	64.7	50.7	63.4
04/05/2022	17:00	67.2	53.3	69.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
05/05/2022	07:00	63.7	50.8	67.9
05/05/2022	08:00	70.6	58.7	73.3
05/05/2022	09:00	64.7	57	67.6
05/05/2022	10:00	68.1	57.4	70.6
05/05/2022	11:00	68.3	59.9	71
05/05/2022	12:00	65.6	61.1	68.1
05/05/2022	13:00	67.7	56.8	70.7
05/05/2022	14:00	61.4	49.8	64.5
05/05/2022	15:00	58.3	49.4	56.1
05/05/2022	16:00	67.7	49.6	68.7
05/05/2022	17:00	62.4	52.6	64

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
06/05/2022	07:00	57.6	49.7	53.4
06/05/2022	08:00	56.9	49.8	53.4
06/05/2022	09:00	56.9	49.8	53.5
06/05/2022	10:00	57.9	50.2	55.1
06/05/2022	11:00	57.8	50.1	55.2
06/05/2022	12:00	58	50.4	55.4
06/05/2022	13:00	59.3	50.3	59.7
06/05/2022	14:00	66.5	50.5	69.8
06/05/2022	15:00	58.8	50.3	57.1
06/05/2022	16:00	63.5	50.1	61.6
06/05/2022	17:00	66.5	52.1	67.5

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
07/05/2022	07:00	56.5	50.2	52.3
07/05/2022	08:00	57.9	49.8	54.7
07/05/2022	09:00	58.4	49.5	55.2
07/05/2022	10:00	60.2	49.2	62.2
07/05/2022	11:00	58.2	49.3	55.8
07/05/2022	12:00	58.4	49.3	55.9
07/05/2022	13:00	58.2	49.6	56.6
07/05/2022	14:00	58.7	49.9	56.3
07/05/2022	15:00	58.2	49.9	56.1
07/05/2022	16:00	58.7	49.8	57.7
07/05/2022	17:00	57.9	50.2	56.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
08/05/2022	07:00	54.9	49.8	51.6
08/05/2022	08:00	55.1	49.4	51.2
08/05/2022	09:00	55.5	49.3	52.3
08/05/2022	10:00	55.1	49.4	51.4
08/05/2022	11:00	55.2	49.3	50.9
08/05/2022	12:00	55.4	49.1	50.8
08/05/2022	13:00	55.4	49.1	53.5
08/05/2022	14:00	55.1	49.1	51.4
08/05/2022	15:00	54.6	49	51.1
08/05/2022	16:00	54.8	48.9	52.1
08/05/2022	17:00	55.6	49	52.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
09/05/2022	07:00	65.6	50	69.7
09/05/2022	08:00	67.5	57.9	70
09/05/2022	09:00	62.1	56.2	63.1
09/05/2022	10:00	62.6	51.8	64.5
09/05/2022	11:00	68.7	57.7	70.6
09/05/2022	12:00	69.6	57.7	72.4
09/05/2022	13:00	66.8	54.7	70.7
09/05/2022	14:00	67	57.1	69.9
09/05/2022	15:00	65.3	55.9	64.6
09/05/2022	16:00	70.7	52.4	72.5
09/05/2022	17:00	64.9	50.5	68.1

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
10/05/2022	07:00	69.9	50.3	74.2
10/05/2022	08:00	66	56.5	67.7
10/05/2022	09:00	63.1	55.6	64.9
10/05/2022	10:00	67	56.6	70.5
10/05/2022	11:00	67.8	55.2	70.4
10/05/2022	12:00	68.1	57.2	70.7
10/05/2022	13:00	62.3	56.8	63.9
10/05/2022	14:00	64.9	57.2	66.2
10/05/2022	15:00	64.5	53.8	62.8
10/05/2022	16:00	66.3	53.3	67.7
10/05/2022	17:00	61.6	51	62.4

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
11/05/2022	07:00	63.8	51.1	66.5
11/05/2022	08:00	63.5	52.7	65.5
11/05/2022	09:00	64.6	57.5	68.1
11/05/2022	10:00	65.8	57.3	68.9
11/05/2022	11:00	67.9	59.8	71.4
11/05/2022	12:00	63.8	55.6	66.1
11/05/2022	13:00	62.1	55.4	64.6
11/05/2022	14:00	63.8	57.2	66
11/05/2022	15:00	62.4	51	63.3
11/05/2022	16:00	70.1	55.9	72.8
11/05/2022	17:00	60.4	52	57.4

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
12/05/2022	07:00	58.8	50.1	57.4
12/05/2022	08:00	58.6	50.4	56.5
12/05/2022	09:00	61.2	50.7	62.7
12/05/2022	10:00	62.9	57.7	64.1
12/05/2022	11:00	68.5	58.3	71.2
12/05/2022	12:00	66.2	51.9	69.2
12/05/2022	13:00	66.2	56.6	67.4
12/05/2022	14:00	63.8	56.3	66.8
12/05/2022	15:00	61.9	54.1	62.6
12/05/2022	16:00	69.3	54	69.1
12/05/2022	17:00	64.4	54.7	63.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
13/05/2022	07:00	58.2	50.2	55.7
13/05/2022	08:00	63.2	50.6	68.1
13/05/2022	09:00	58.9	50.4	57.6
13/05/2022	10:00	58.6	50.3	56.3
13/05/2022	11:00	58.9	50.4	57.3
13/05/2022	12:00	59.5	51.6	59.6
13/05/2022	13:00	58.4	50.4	58
13/05/2022	14:00	59.4	50.7	59.1
13/05/2022	15:00	58.3	50.8	56.7
13/05/2022	16:00	65.9	50.6	67.6
13/05/2022	17:00	62.5	51.6	62.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
14/05/2022	07:00	55.5	49.7	52.6
14/05/2022	08:00	56.7	49.8	53.5
14/05/2022	09:00	58	49.6	55.5
14/05/2022	10:00	57.8	49.6	54.9
14/05/2022	11:00	58.7	49.6	60.3
14/05/2022	12:00	58.2	49.6	55.7
14/05/2022	13:00	57.6	49.5	54.9
14/05/2022	14:00	58.2	49.2	55.5
14/05/2022	15:00	57.8	48.8	55.3
14/05/2022	16:00	57.5	48.6	55.1
14/05/2022	17:00	58.3	48.6	55.9

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
15/05/2022	07:00	54	49.4	51.3
15/05/2022	08:00	55.4	49.8	53.1
15/05/2022	09:00	54.4	49.9	53
15/05/2022	10:00	54.9	49.9	52.5
15/05/2022	11:00	54.7	50.3	51.9
15/05/2022	12:00	55.6	50.6	53.7
15/05/2022	13:00	55.7	50.2	54.6
15/05/2022	14:00	55.3	50.4	53.8
15/05/2022	15:00	55.5	50.3	53.3
15/05/2022	16:00	55	50.1	52.2
15/05/2022	17:00	55.1	50	52

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
16/05/2022	07:00	68.1	50.5	71.8
16/05/2022	08:00	61.6	53.5	62.6
16/05/2022	09:00	64.7	52	67
16/05/2022	10:00	65.3	56.4	66.1
16/05/2022	11:00	62	55.8	62.8
16/05/2022	12:00	64.9	57.1	65.9
16/05/2022	13:00	67.8	54.6	70.1
16/05/2022	14:00	69.2	59.6	72.5
16/05/2022	15:00	69.1	58.1	70.3
16/05/2022	16:00	64.9	55.6	65.3
16/05/2022	17:00	67.4	55.1	68.5

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
17/05/2022	07:00	65.4	50.8	69.2
17/05/2022	08:00	63.9	53.8	66.9
17/05/2022	09:00	66.2	57	69.4
17/05/2022	10:00	67	57.3	69.7
17/05/2022	11:00	65.8	57.4	68.5
17/05/2022	12:00	65.7	57.3	69
17/05/2022	13:00	65.4	56.8	67.3
17/05/2022	14:00	66.9	57.2	69.8
17/05/2022	15:00	68.1	57.4	70.3
17/05/2022	16:00	67.5	55.2	67.3
17/05/2022	17:00	66	53.3	67.7

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
18/05/2022	07:00	63.4	49.7	66.5
18/05/2022	08:00	60.6	51.1	61.3
18/05/2022	09:00	62	56.4	63.7
18/05/2022	10:00	65.4	56.7	67.8
18/05/2022	11:00	63.3	54.6	64.3
18/05/2022	12:00	65.3	56.7	67.4
18/05/2022	13:00	63.3	50.7	67.1
18/05/2022	14:00	59.2	49.7	57.8
18/05/2022	15:00	58.4	49.7	56.6
18/05/2022	16:00	64.3	49.8	64
18/05/2022	17:00	67	54.7	67.4

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
19/05/2022	07:00	63.4	49.9	66.4
19/05/2022	08:00	64	55.8	67.8
19/05/2022	09:00	65.8	56.7	68.2
19/05/2022	10:00	63.2	50.7	65.6
19/05/2022	11:00	64.8	56.3	66.7
19/05/2022	12:00	63.9	55.1	67.1
19/05/2022	13:00	57.6	49	55.1
19/05/2022	14:00	64.5	49.2	69.4
19/05/2022	15:00	66.4	48.4	68.2
19/05/2022	16:00	70.1	52.6	67
19/05/2022	17:00	63.9	53	63.9

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
20/05/2022	07:00	60.4	49.9	62.2
20/05/2022	08:00	63.4	57.2	64.5
20/05/2022	09:00	63.7	57.3	64.3
20/05/2022	10:00	66.9	58	70.4
20/05/2022	11:00	59.2	49.9	57.9
20/05/2022	12:00	65.1	49.6	67
20/05/2022	13:00	61.2	50	65.1
20/05/2022	14:00	58.8	49.8	57.5
20/05/2022	15:00	61.8	49.4	65.3
20/05/2022	16:00	63.9	49.7	63.6
20/05/2022	17:00	67.1	50	66.2

Figure A2.2 5m distance from the Extractor Fan (F104) (MP2) Results

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
22/04/2022	15:30	71.8	71.3	72.2
22/04/2022	16:00	71.8	71.4	72.2
22/04/2022	17:00	71.7	71.4	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
23/04/2022	07:00	72.7	72.4	73.2
23/04/2022	08:00	72.7	72.2	73.1
23/04/2022	09:00	72.5	72.1	72.9
23/04/2022	10:00	72.4	72	72.8
23/04/2022	11:00	72.3	71.9	72.8
23/04/2022	12:00	72.3	71.8	72.7
23/04/2022	13:00	72.2	71.8	72.6
23/04/2022	14:00	71.9	71.5	72.4
23/04/2022	15:00	71.8	71.4	72.3
23/04/2022	16:00	71.9	71.5	72.4
23/04/2022	17:00	71.8	71.4	72.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
24/04/2022	07:00	72.7	72.3	73
24/04/2022	08:00	72.7	72.4	73.1
24/04/2022	09:00	72.6	72.2	73
24/04/2022	10:00	72.6	72.2	73
24/04/2022	11:00	72.5	72.1	73
24/04/2022	12:00	72.5	72	72.9
24/04/2022	13:00	71.9	71.5	72.4
24/04/2022	14:00	71.7	71.3	72.1
24/04/2022	15:00	71.5	71.1	72
24/04/2022	16:00	71.5	71.1	71.9
24/04/2022	17:00	71.7	71.3	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
25/04/2022	07:00	73	72.7	73.3
25/04/2022	08:00	72.9	72.6	73.3
25/04/2022	09:00	72.9	72.6	73.3
25/04/2022	10:00	73.1	72.7	73.4
25/04/2022	11:00	73.1	72.8	73.5
25/04/2022	12:00	73.1	72.8	73.6
25/04/2022	13:00	73.1	72.7	73.5
25/04/2022	14:00	72.9	72.5	73.4
25/04/2022	15:00	72.4	72	72.9
25/04/2022	16:00	72.5	72.1	72.9
25/04/2022	17:00	72.4	72	72.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
26/04/2022	07:00	72.9	72.6	73.2
26/04/2022	08:00	72.9	72.6	73.4
26/04/2022	09:00	73	72.7	73.4
26/04/2022	10:00	73.2	72.8	73.6
26/04/2022	11:00	73.3	72.8	73.6
26/04/2022	12:00	73	72.6	73.4
26/04/2022	13:00	72.5	72.1	73
26/04/2022	14:00	72.2	71.9	72.6
26/04/2022	15:00	72.5	72.1	72.9
26/04/2022	16:00	72	71.6	72.4
26/04/2022	17:00	72.4	72	72.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
27/04/2022	08:00	73.1	72.7	73.4
27/04/2022	09:00	73	72.6	73.4
27/04/2022	10:00	73.1	72.7	73.6
27/04/2022	11:00	73.1	72.7	73.5
27/04/2022	12:00	73.2	72.8	73.7
27/04/2022	13:00	73	72.6	73.4
27/04/2022	14:00	72.9	72.4	73.4
27/04/2022	15:00	72.5	72.1	73
27/04/2022	16:00	72.5	72	72.9
27/04/2022	17:00	72.5	72.1	73

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
28/04/2022	07:00	73.1	72.8	73.4
28/04/2022	08:00	73.2	72.8	73.5
28/04/2022	09:00	73	72.7	73.4
28/04/2022	10:00	73	72.6	73.4
28/04/2022	11:00	72.9	72.5	73.2
28/04/2022	12:00	72.9	72.5	73.3
28/04/2022	13:00	73	72.6	73.4
28/04/2022	14:00	73.2	72.8	73.6
28/04/2022	15:00	73.2	72.8	73.6
28/04/2022	16:00	73	72.7	73.4
28/04/2022	17:00	72.9	72.6	73.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
29/04/2022	07:00	72.9	72.7	73.2
29/04/2022	08:00	73.2	72.8	73.5
29/04/2022	09:00	73	72.7	73.4
29/04/2022	10:00	72.8	72.5	73.3
29/04/2022	11:00	73	72.6	73.5
29/04/2022	12:00	73.2	72.9	73.6
29/04/2022	13:00	72.5	72.1	73
29/04/2022	14:00	71.9	71.6	72.4
29/04/2022	15:00	71.6	71.2	72.1
29/04/2022	16:00	71.5	71.2	72
29/04/2022	17:00	71.7	71.2	72.1

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
30/04/2022	07:00	72.9	72.6	73.2
30/04/2022	08:00	72.8	72.6	73.2
30/04/2022	09:00	72.4	72.1	72.8
30/04/2022	10:00	72.6	72.3	73
30/04/2022	11:00	72.4	72	72.8
30/04/2022	12:00	72.4	72	72.8
30/04/2022	13:00	71.9	71.5	72.3
30/04/2022	14:00	71.7	71.4	72.1
30/04/2022	15:00	71.7	71.4	72.1
30/04/2022	16:00	71.7	71.3	72.1
30/04/2022	17:00	71.9	71.5	72.4

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
01/05/2022	07:00	72.9	72.6	73.2
01/05/2022	08:00	72.9	72.6	73.2
01/05/2022	09:00	72.8	72.5	73.1
01/05/2022	10:00	72.5	72.2	72.8
01/05/2022	11:00	72.6	72.2	72.9
01/05/2022	12:00	72.4	72.1	72.8
01/05/2022	13:00	72.1	71.8	72.5
01/05/2022	14:00	72.2	71.8	72.6
01/05/2022	15:00	72.1	71.8	72.5
01/05/2022	16:00	72.1	71.8	72.5
01/05/2022	17:00	72.2	71.8	72.6

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
02/05/2022	07:00	72.8	72.5	73.1
02/05/2022	08:00	72.9	72.6	73.3
02/05/2022	09:00	72.9	72.6	73.3
02/05/2022	10:00	72.6	72.3	73
02/05/2022	11:00	72.4	72.1	72.8
02/05/2022	12:00	72.3	71.9	72.7
02/05/2022	13:00	72.3	72	72.7
02/05/2022	14:00	72.2	71.9	72.6
02/05/2022	15:00	72.2	71.9	72.6
02/05/2022	16:00	72.1	71.7	72.4
02/05/2022	17:00	72.1	71.8	72.5

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
03/05/2022	07:00	73.1	72.8	73.4
03/05/2022	08:00	73.1	72.8	73.5
03/05/2022	09:00	73.1	72.7	73.4
03/05/2022	10:00	72.9	72.5	73.3
03/05/2022	11:00	72.8	72.4	73.2
03/05/2022	12:00	72.8	72.5	73.3
03/05/2022	13:00	72.6	72.2	73
03/05/2022	14:00	72.6	72.2	73
03/05/2022	15:00	72.4	72.1	72.8
03/05/2022	16:00	72.3	71.9	72.6
03/05/2022	17:00	72.2	71.9	72.6

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
04/05/2022	07:00	72.7	72.4	73.1
04/05/2022	08:00	72.9	72.5	73.3
04/05/2022	09:00	72.8	72.4	73.2
04/05/2022	10:00	72.8	72.4	73.2
04/05/2022	11:00	72.8	72.4	73.2
04/05/2022	12:00	72.8	72.4	73.2
04/05/2022	13:00	72.7	72.3	73.1
04/05/2022	14:00	72.6	72.1	73
04/05/2022	15:00	72.4	72	72.8
04/05/2022	16:00	72.5	72.2	73
04/05/2022	17:00	72.5	72.1	73

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
05/05/2022	07:00	72.9	72.6	73.2
05/05/2022	08:00	72.9	72.6	73.3
05/05/2022	09:00	72.8	72.4	73.2
05/05/2022	10:00	72.7	72.2	73.2
05/05/2022	11:00	72.4	72	72.8
05/05/2022	12:00	72.3	71.9	72.7
05/05/2022	13:00	72.1	71.6	72.4
05/05/2022	14:00	71.8	71.5	72.3
05/05/2022	15:00	71.8	71.4	72.2
05/05/2022	16:00	71.8	71.4	72.2
05/05/2022	17:00	71.7	71.2	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
06/05/2022	07:00	72.5	72.2	72.9
06/05/2022	08:00	72.4	72.1	72.8
06/05/2022	09:00	72.1	71.7	72.6
06/05/2022	10:00	72	71.6	72.4
06/05/2022	11:00	71.8	71.4	72.2
06/05/2022	12:00	71.8	71.4	72.3
06/05/2022	13:00	72	71.6	72.4
06/05/2022	14:00	71.8	71.4	72.2
06/05/2022	15:00	71.8	71.4	72.2
06/05/2022	16:00	71.8	71.4	72.2
06/05/2022	17:00	72.2	71.8	72.6

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
07/05/2022	07:00	72.7	72.4	73
07/05/2022	08:00	72.5	72.2	72.9
07/05/2022	09:00	72.5	72.2	72.9
07/05/2022	10:00	72.2	71.9	72.6
07/05/2022	11:00	72	71.6	72.4
07/05/2022	12:00	71.8	71.4	72.2
07/05/2022	13:00	71.8	71.4	72.1
07/05/2022	14:00	71.8	71.4	72.2
07/05/2022	15:00	71.7	71.4	72.1
07/05/2022	16:00	71.7	71.4	72.2
07/05/2022	17:00	71.8	71.5	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
08/05/2022	07:00	72.9	72.6	73.2
08/05/2022	08:00	72.5	72.2	72.9
08/05/2022	09:00	72.6	72.2	73
08/05/2022	10:00	72.5	72.1	72.9
08/05/2022	11:00	72.2	71.8	72.6
08/05/2022	12:00	72	71.6	72.4
08/05/2022	13:00	71.9	71.6	72.3
08/05/2022	14:00	71.8	71.4	72.2
08/05/2022	15:00	71.6	71.2	72
08/05/2022	16:00	71.6	71.2	72
08/05/2022	17:00	71.7	71.3	72.1

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
09/05/2022	07:00	72.4	72	72.8
09/05/2022	08:00	72.3	71.9	72.7
09/05/2022	09:00	72.2	71.8	72.6
09/05/2022	10:00	72	71.6	72.4
09/05/2022	11:00	72.2	71.7	72.6
09/05/2022	12:00	71.9	71.5	72.4
09/05/2022	13:00	71.9	71.5	72.4
09/05/2022	14:00	72	71.6	72.4
09/05/2022	15:00	72	71.6	72.4
09/05/2022	16:00	71.8	71.4	72.2
09/05/2022	17:00	71.9	71.4	72.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
10/05/2022	07:00	72	71.7	72.4
10/05/2022	08:00	72.2	71.8	72.6
10/05/2022	09:00	72.2	71.8	72.7
10/05/2022	10:00	72.1	71.7	72.5
10/05/2022	11:00	72.2	71.9	72.7
10/05/2022	12:00	72.2	71.8	72.8
10/05/2022	13:00	71.9	71.5	72.4
10/05/2022	14:00	71.9	71.4	72.3
10/05/2022	15:00	71.6	71.1	72
10/05/2022	16:00	71.8	71.4	72.2
10/05/2022	17:00	71.7	71.2	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
11/05/2022	07:00	72.3	71.9	72.7
11/05/2022	08:00	72.1	71.8	72.6
11/05/2022	09:00	72.2	71.8	72.6
11/05/2022	10:00	72.3	71.9	72.7
11/05/2022	11:00	72.5	72.1	72.9
11/05/2022	12:00	72.4	72	72.8
11/05/2022	13:00	72.2	71.9	72.6
11/05/2022	14:00	72.4	71.9	72.8
11/05/2022	15:00	72.1	71.7	72.5
11/05/2022	16:00	72	71.6	72.4
11/05/2022	17:00	71.9	71.5	72.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
12/05/2022	07:00	72.5	72.1	72.8
12/05/2022	08:00	72.2	71.9	72.6
12/05/2022	09:00	72.3	71.9	72.8
12/05/2022	10:00	72.5	72	73
12/05/2022	11:00	72.4	72	72.8
12/05/2022	12:00	72.5	72	73
12/05/2022	13:00	72.4	72	72.9
12/05/2022	14:00	71.9	71.4	72.4
12/05/2022	15:00	72	71.6	72.5
12/05/2022	16:00	72.3	71.8	72.7
12/05/2022	17:00	72.2	71.7	72.6

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
13/05/2022	07:00	72.5	72.1	72.8
13/05/2022	08:00	72.1	71.7	72.5
13/05/2022	09:00	71.9	71.6	72.4
13/05/2022	10:00	71.7	71.3	72.2
13/05/2022	11:00	71.8	71.4	72.2
13/05/2022	12:00	71.9	71.5	72.3
13/05/2022	13:00	71.5	71.1	71.9
13/05/2022	14:00	71.5	71.1	72
13/05/2022	15:00	71.5	71.1	72
13/05/2022	16:00	71.7	71.3	72.1
13/05/2022	17:00	71.4	70.9	71.8

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
14/05/2022	07:00	72.3	72	72.6
14/05/2022	08:00	71.8	71.5	72.2
14/05/2022	09:00	71.7	71.3	72.1
14/05/2022	10:00	71.6	71.2	72
14/05/2022	11:00	71.8	71.4	72.2
14/05/2022	12:00	71.8	71.4	72.2
14/05/2022	13:00	71.7	71.4	72.2
14/05/2022	14:00	71.6	71.2	72.1
14/05/2022	15:00	71.2	70.8	71.6
14/05/2022	16:00	71.1	70.7	71.5
14/05/2022	17:00	71.1	70.7	71.5

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
15/05/2022	07:00	71.7	71.3	72
15/05/2022	08:00	71.4	71.1	71.9
15/05/2022	09:00	71.6	71.2	72
15/05/2022	10:00	71.3	70.9	71.8
15/05/2022	11:00	71.4	71.1	71.8
15/05/2022	12:00	71.7	71.3	72.1
15/05/2022	13:00	71.7	71.3	72.2
15/05/2022	14:00	71.6	71.3	72.1
15/05/2022	15:00	71.7	71.3	72.1
15/05/2022	16:00	71.7	71.2	72.1
15/05/2022	17:00	71.6	71.2	72

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
16/05/2022	07:00	71.9	71.6	72.3
16/05/2022	08:00	72	71.6	72.4
16/05/2022	09:00	72.1	71.7	72.5
16/05/2022	10:00	72.2	71.8	72.8
16/05/2022	11:00	72	71.6	72.4
16/05/2022	12:00	72.3	71.8	73
16/05/2022	13:00	72.1	71.6	72.6
16/05/2022	14:00	72	71.6	72.4
16/05/2022	15:00	71.4	71	71.8
16/05/2022	16:00	71.6	71.2	72
16/05/2022	17:00	71.8	71.4	72.2

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
17/05/2022	07:00	72	71.7	72.4
17/05/2022	08:00	72.3	71.9	72.6
17/05/2022	09:00	72.2	71.8	72.6
17/05/2022	10:00	72.1	71.6	72.6
17/05/2022	11:00	72.1	71.7	72.6
17/05/2022	12:00	71.9	71.5	72.3
17/05/2022	13:00	71.7	71.3	72.2
17/05/2022	14:00	71.8	71.4	72.2
17/05/2022	15:00	71.7	71.2	72.2
17/05/2022	16:00	71.8	71.4	72.3
17/05/2022	17:00	71.8	71.4	72.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
18/05/2022	07:00	72.1	71.8	72.5
18/05/2022	08:00	71.9	71.6	72.4
18/05/2022	09:00	72.2	71.9	72.7
18/05/2022	10:00	72.1	71.8	72.6
18/05/2022	11:00	72.1	71.7	72.6
18/05/2022	12:00	72.2	71.8	72.7
18/05/2022	13:00	71.8	71.4	72.3
18/05/2022	14:00	71.5	71.2	71.9
18/05/2022	15:00	71.6	71.2	72
18/05/2022	16:00	71.7	71.2	72.1
18/05/2022	17:00	71.8	71.4	72.3

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
19/05/2022	07:00	72	71.6	72.4
19/05/2022	08:00	72.4	72	72.9
19/05/2022	09:00	72.3	72	72.8
19/05/2022	10:00	72	71.7	72.5
19/05/2022	11:00	72.1	71.7	72.5
19/05/2022	12:00	72.1	71.7	72.5
19/05/2022	13:00	71.6	71.2	72
19/05/2022	14:00	71.4	71	71.9
19/05/2022	15:00	71.5	71.1	71.9
19/05/2022	16:00	71.6	71.2	72
19/05/2022	17:00	71.4	70.9	71.9

Date	Hour	Hourly LAeq	Hourly L90	Hourly L10
20/05/2022	07:00	72.2	71.8	72.6
20/05/2022	08:00	72.2	71.8	72.6
20/05/2022	09:00	71.8	71.4	72.2
20/05/2022	10:00	72	71.6	72.4
20/05/2022	11:00	71.7	71.4	72.2
20/05/2022	12:00	71.8	71.4	72.2
20/05/2022	13:00	71.8	71.4	72.3
20/05/2022	14:00	71.7	71.4	72.2
20/05/2022	15:00	71.5	71.1	71.9
20/05/2022	16:00	71.8	71.5	72.3
20/05/2022	17:00	71.9	71.5	72.3