

Appendix 5B

Noise Survey Details

Prepared for: Kronospan

December 2025

DNS5-4-012

1.0 NOISE SURVEY DETAILS

1.1 Instrument and Fieldwork Details: Noise Survey July – August 2021

- 1.1.1 The noise measurements were undertaken at locations 1 - 9 as detailed in **ES Chapter 5.0 (Noise and Vibration)** and shown on **ES Figure 5.1**.
- 1.1.2 The monitoring was carried out over approximately one week under suitable weather conditions.

Instrumentation

Table 1.1 – Instrumentation (2021 Surveys)

| Manufacturer | Description | Type | Calibration Due Date | Serial No. |
|---------------|-------------------------------|------|----------------------|------------|
| Norsonic | Integrating Sound Level Meter | 116 | January 2022 | 21589 |
| Norsonic | Real Time Sound Analyser | 118 | July 2022 | 31992 |
| Norsonic | Real Time Sound Analyser | 140 | Feb 2022 | 1405418 |
| Bruel & Kjaer | Real Time Sound Analyser | 2250 | June 2022 | 2590499 |
| Bruel & Kjaer | Real Time Sound Analyser | 2250 | June 2022 | 2590403 |
| Bruel & Kjaer | Real Time Sound Analyser | 2250 | June 2022 | 2630261 |

| Manufacturer | Description | Type | Calibration Due Date | Serial No. |
|---------------|--------------------------|----------|----------------------|------------|
| Bruel & Kjaer | Real Time Sound Analyser | 2250 | January 2022 | 2506557 |
| Cirrus | Real Time Sound Analyser | 171A | June 2022 | G061253 |
| Cirrus | Real Time Sound Analyser | 1710 | April 2022 | G066350 |
| Cirrus | Real Time Sound Analyser | 171B | April 2022 | G056142 |
| Cirrus | Electronic Calibrator | CR: 513A | April 2022 | 031523 |

- 1.1.3 The noise meters used during the survey were precision grade type 1 meters to IEC 651 standard and accuracy.

Calibration Setting: 94dB

Meter Setting: Fast Response

Fieldwork Details

Date of Test: Tuesday 27 July – Tuesday 03 August 2021

Time Period: 15-minute sequential measurements

Calibration: Before and after: 94dB

Meteorological Conditions

- 1.1.4 Weather conditions were recorded during the baseline survey and detailed below:
- 1.1.5 The climatic conditions were for the majority of the time suitable for monitoring environmental noise levels in accordance with advice given in BS4142:2014+A1:2019.



| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 27/07/2021 | 09:00 | 24.8 | 0 | ENE | 759.9 | 0 |
| 27/07/2021 | 09:15 | 24.4 | 0 | SE | 759.8 | 0 |
| 27/07/2021 | 09:30 | 24.3 | 0 | --- | 760 | 0 |
| 27/07/2021 | 09:45 | 24.4 | 0 | ESE | 759.6 | 0 |
| 27/07/2021 | 10:00 | 24.9 | 0 | ESE | 759.7 | 0 |
| 27/07/2021 | 10:15 | 25.3 | 0 | --- | 759.6 | 0 |
| 27/07/2021 | 10:30 | 26 | 0 | --- | 759.4 | 0 |
| 27/07/2021 | 10:45 | 25.7 | 0 | ENE | 759.6 | 0 |
| 27/07/2021 | 11:00 | 25.4 | 0 | --- | 759 | 0 |
| 27/07/2021 | 11:15 | 25.6 | 0 | SE | 758.9 | 0 |
| 27/07/2021 | 12:30 | 23.8 | 0 | W | 758.9 | 0.25 |
| 27/07/2021 | 12:45 | 22.6 | 0 | NW | 758.9 | 0 |
| 27/07/2021 | 13:00 | 20.5 | 0.4 | WNW | 759 | 0 |
| 27/07/2021 | 13:15 | 18.9 | 0.4 | NW | 759 | 0 |
| 27/07/2021 | 13:30 | 18.1 | 0.4 | W | 759.1 | 0 |
| 27/07/2021 | 13:45 | 16.6 | 0 | WNW | 759 | 3.05 |
| 27/07/2021 | 14:00 | 15.8 | 0 | WNW | 759 | 0 |
| 27/07/2021 | 14:15 | 15.7 | 0 | WNW | 759 | 0 |
| 27/07/2021 | 14:30 | 15.9 | 0 | --- | 759.2 | 0 |
| 27/07/2021 | 14:45 | 15.7 | 0 | --- | 759.1 | 0.25 |
| 27/07/2021 | 15:00 | 15.8 | 0 | --- | 759 | 0.51 |
| 27/07/2021 | 15:15 | 15.9 | 0 | --- | 758.9 | 0 |
| 27/07/2021 | 15:30 | 16.3 | 0 | --- | 758.8 | 0.25 |
| 27/07/2021 | 15:45 | 17.6 | 0 | --- | 758.6 | 0 |
| 27/07/2021 | 16:00 | 17.8 | 0 | --- | 758.5 | 0 |
| 27/07/2021 | 16:15 | 18.2 | 0 | --- | 758.3 | 0 |
| 27/07/2021 | 16:30 | 17.8 | 0 | --- | 758.3 | 0 |
| 27/07/2021 | 16:45 | 17.9 | 0 | --- | 758.3 | 0 |
| 27/07/2021 | 17:00 | 17.8 | 0 | --- | 758.2 | 0 |
| 27/07/2021 | 17:15 | 18.2 | 0 | --- | 758.1 | 0.25 |
| 27/07/2021 | 17:30 | 18.1 | 0 | --- | 758 | 0 |
| 27/07/2021 | 17:45 | 18.4 | 0 | --- | 758 | 0 |
| 27/07/2021 | 18:00 | 18.3 | 0.4 | WNW | 757.9 | 0 |
| 27/07/2021 | 18:15 | 18.4 | 0.9 | ENE | 758 | 0 |
| 27/07/2021 | 18:30 | 18.7 | 0.4 | ENE | 757.9 | 0 |
| 27/07/2021 | 18:45 | 18.4 | 0.4 | ENE | 758 | 0 |
| 27/07/2021 | 19:00 | 18.3 | 0.4 | ENE | 758 | 0 |
| 27/07/2021 | 19:15 | 18.4 | 0.4 | ENE | 757.9 | 0 |
| 27/07/2021 | 19:30 | 18.1 | 0.4 | WNW | 757.9 | 0 |
| 27/07/2021 | 19:45 | 17.8 | 0.4 | WNW | 758 | 0 |
| 27/07/2021 | 20:00 | 17.4 | 0 | --- | 758 | 0 |
| 27/07/2021 | 20:15 | 17.2 | 0 | --- | 758.1 | 0 |
| 27/07/2021 | 20:30 | 16.8 | 0 | --- | 758.2 | 0 |
| 27/07/2021 | 20:45 | 16.7 | 0 | --- | 758 | 0 |
| 27/07/2021 | 21:00 | 16.5 | 0 | --- | 758.1 | 0 |
| 27/07/2021 | 21:15 | 16.1 | 1.3 | NW | 758.3 | 1.02 |
| 27/07/2021 | 21:30 | 15.4 | 0.9 | W | 758.3 | 1.02 |
| 27/07/2021 | 21:45 | 15.3 | 0.4 | W | 758.3 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 27/07/2021 | 22:00 | 15.3 | 0.4 | W | 758.2 | 0 |
| 27/07/2021 | 22:15 | 15.2 | 0.4 | W | 758.3 | 0 |
| 27/07/2021 | 22:30 | 15.2 | 0 | --- | 758.3 | 0 |
| 27/07/2021 | 22:45 | 15.1 | 0.4 | W | 758.4 | 0 |
| 27/07/2021 | 23:00 | 14.9 | 0.4 | W | 758.2 | 0 |
| 27/07/2021 | 23:15 | 14.8 | 0.4 | W | 758.3 | 0 |
| 27/07/2021 | 23:30 | 14.7 | 0 | --- | 758.1 | 0 |
| 27/07/2021 | 23:45 | 14.5 | 0.4 | W | 758 | 0 |
| 28/07/2021 | 00:00 | 14.4 | 0 | --- | 758 | 0 |
| 28/07/2021 | 00:15 | 14.4 | 0.4 | W | 758 | 0 |
| 28/07/2021 | 00:30 | 14.4 | 0 | --- | 757.9 | 0 |
| 28/07/2021 | 00:45 | 14.4 | 0 | --- | 757.8 | 0 |
| 28/07/2021 | 01:00 | 14.3 | 0 | --- | 757.8 | 0 |
| 28/07/2021 | 01:15 | 14.3 | 0 | --- | 757.8 | 0 |
| 28/07/2021 | 01:30 | 14.3 | 0.4 | W | 757.7 | 0 |
| 28/07/2021 | 01:45 | 14.3 | 0 | --- | 757.6 | 0 |
| 28/07/2021 | 02:00 | 14.3 | 0 | --- | 757.6 | 0 |
| 28/07/2021 | 02:15 | 14.4 | 0.4 | W | 757.6 | 0 |
| 28/07/2021 | 02:30 | 14.5 | 1.3 | W | 757.5 | 0 |
| 28/07/2021 | 02:45 | 14.5 | 0.9 | W | 757.5 | 0.51 |
| 28/07/2021 | 03:00 | 14.4 | 2.2 | W | 757.5 | 0.25 |
| 28/07/2021 | 03:15 | 14.4 | 0.4 | W | 757.4 | 0 |
| 28/07/2021 | 03:30 | 14.3 | 0.4 | W | 757.3 | 0 |
| 28/07/2021 | 03:45 | 14.2 | 0.4 | W | 757.3 | 0 |
| 28/07/2021 | 04:00 | 14.1 | 0.4 | W | 757.3 | 0 |
| 28/07/2021 | 04:15 | 14.1 | 0 | --- | 757.1 | 0 |
| 28/07/2021 | 04:30 | 13.8 | 0.4 | W | 757.2 | 0 |
| 28/07/2021 | 04:45 | 13.8 | 0.4 | W | 757.1 | 0 |
| 28/07/2021 | 05:00 | 13.8 | 1.3 | W | 757.1 | 0 |
| 28/07/2021 | 05:15 | 13.6 | 0.9 | W | 757.1 | 0 |
| 28/07/2021 | 05:30 | 13.6 | 2.2 | W | 757.1 | 0 |
| 28/07/2021 | 05:45 | 13.4 | 1.3 | W | 757.1 | 0 |
| 28/07/2021 | 06:00 | 13.5 | 1.3 | W | 757.1 | 0 |
| 28/07/2021 | 06:15 | 13.2 | 1.8 | W | 757 | 0 |
| 28/07/2021 | 06:30 | 13.7 | 1.8 | W | 757 | 0 |
| 28/07/2021 | 06:45 | 13.6 | 0.9 | W | 757 | 0 |
| 28/07/2021 | 07:00 | 13.6 | 0.4 | NNW | 756.9 | 0 |
| 28/07/2021 | 07:15 | 13.7 | 0.4 | W | 757 | 0 |
| 28/07/2021 | 07:30 | 13.8 | 0 | --- | 756.9 | 0 |
| 28/07/2021 | 07:45 | 13.8 | 0.4 | W | 756.9 | 0 |
| 28/07/2021 | 08:00 | 13.7 | 0 | --- | 756.9 | 0 |
| 28/07/2021 | 08:15 | 14.4 | 0.4 | W | 756.8 | 0 |
| 28/07/2021 | 08:30 | 14.8 | 0.4 | NNW | 756.8 | 0 |
| 28/07/2021 | 08:45 | 15.2 | 0.9 | WSW | 756.7 | 0 |
| 28/07/2021 | 09:00 | 16.1 | 1.3 | W | 756.7 | 0 |
| 28/07/2021 | 09:15 | 16.2 | 1.3 | WNW | 756.8 | 0 |
| 28/07/2021 | 09:30 | 16.6 | 1.8 | W | 756.6 | 0 |
| 28/07/2021 | 09:45 | 16.9 | 2.2 | W | 756.6 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 28/07/2021 | 10:00 | 17.8 | 3.6 | W | 756.4 | 0 |
| 28/07/2021 | 10:15 | 17.8 | 3.2 | W | 756.6 | 0 |
| 28/07/2021 | 10:30 | 17.8 | 3.4 | W | 756.5 | 0 |
| 28/07/2021 | 10:45 | 17.9 | 3.5 | W | 756.5 | 0 |
| 28/07/2021 | 11:00 | 17.3 | 3.6 | WNW | 756.5 | 0 |
| 28/07/2021 | 11:15 | 16.8 | 3.8 | WNW | 756.3 | 0 |
| 28/07/2021 | 11:30 | 17.4 | 3.6 | W | 756.2 | 0 |
| 28/07/2021 | 11:45 | 17.4 | 3.9 | W | 756.3 | 0 |
| 28/07/2021 | 12:00 | 15.7 | 3.6 | WNW | 756.2 | 0.25 |
| 28/07/2021 | 12:15 | 15.3 | 2.2 | WNW | 756.2 | 0 |
| 28/07/2021 | 12:30 | 16 | 3.1 | W | 756.1 | 0.76 |
| 28/07/2021 | 12:45 | 16.6 | 3 | WNW | 756.1 | 0 |
| 28/07/2021 | 13:00 | 16.7 | 3.4 | WNW | 756.1 | 0 |
| 28/07/2021 | 13:15 | 16.1 | 3.1 | W | 756.1 | 0 |
| 28/07/2021 | 13:30 | 17.6 | 3.5 | W | 756.2 | 0 |
| 28/07/2021 | 13:45 | 16.7 | 3.4 | W | 756.2 | 0 |
| 28/07/2021 | 14:00 | 16.4 | 3.6 | W | 756.2 | 0.25 |
| 28/07/2021 | 14:15 | 18.2 | 3.7 | WNW | 756.2 | 0 |
| 28/07/2021 | 14:30 | 18.2 | 3.5 | W | 756.2 | 0 |
| 28/07/2021 | 14:45 | 17.6 | 3.3 | WNW | 756.1 | 0 |
| 28/07/2021 | 15:00 | 18.4 | 3.3 | W | 756.2 | 0 |
| 28/07/2021 | 15:15 | 18.8 | 3.4 | WNW | 756.1 | 0 |
| 28/07/2021 | 15:30 | 18.8 | 3.6 | WNW | 756.4 | 0 |
| 28/07/2021 | 15:45 | 19 | 3.3 | W | 756.4 | 0 |
| 28/07/2021 | 16:00 | 17.3 | 3.4 | WNW | 756.6 | 0 |
| 28/07/2021 | 16:15 | 15.9 | 2.4 | WNW | 756.6 | 0 |
| 28/07/2021 | 16:30 | 15 | 3.5 | W | 756.7 | 0 |
| 28/07/2021 | 16:45 | 13.9 | 3.6 | W | 756.8 | 0 |
| 28/07/2021 | 17:00 | 13.3 | 2.5 | W | 757.1 | 0 |
| 28/07/2021 | 17:15 | 12.1 | 1.8 | WNW | 757.3 | 0 |
| 28/07/2021 | 17:30 | 11.9 | 1.8 | W | 756.7 | 0.25 |
| 28/07/2021 | 17:45 | 13.8 | 0.4 | W | 756.6 | 0 |
| 28/07/2021 | 18:00 | 15.9 | 2.2 | W | 756.4 | 0 |
| 28/07/2021 | 18:15 | 16.7 | 2.7 | W | 756.6 | 0 |
| 28/07/2021 | 18:30 | 15.4 | 3.6 | W | 756.7 | 0 |
| 28/07/2021 | 18:45 | 15.7 | 3.6 | W | 756.5 | 0 |
| 28/07/2021 | 19:00 | 16.3 | 3.1 | W | 756.4 | 0 |
| 28/07/2021 | 19:15 | 15.7 | 3.2 | W | 756.6 | 0 |
| 28/07/2021 | 19:30 | 15.1 | 3.1 | W | 756.8 | 0 |
| 28/07/2021 | 19:45 | 15 | 3 | W | 756.8 | 0 |
| 28/07/2021 | 20:00 | 14.9 | 1.8 | W | 756.9 | 0 |
| 28/07/2021 | 20:15 | 14.6 | 2.3 | W | 756.9 | 0 |
| 28/07/2021 | 20:30 | 14.5 | 2.6 | W | 756.9 | 0 |
| 28/07/2021 | 20:45 | 14 | 2.9 | W | 757.2 | 0.51 |
| 28/07/2021 | 21:00 | 12.8 | 3.2 | W | 757 | 0.76 |
| 28/07/2021 | 21:15 | 12.4 | 2.7 | W | 757.1 | 0 |
| 28/07/2021 | 21:30 | 12.4 | 2.7 | W | 757.2 | 0 |
| 28/07/2021 | 21:45 | 12.8 | 2.5 | W | 757.3 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 28/07/2021 | 22:00 | 12.8 | 3.1 | W | 757.5 | 0 |
| 28/07/2021 | 22:15 | 12.8 | 2.2 | W | 757.4 | 0 |
| 28/07/2021 | 22:30 | 12.3 | 0.4 | W | 757.1 | 0 |
| 28/07/2021 | 22:45 | 12.3 | 0.4 | W | 757 | 0 |
| 28/07/2021 | 23:00 | 12.1 | 0 | --- | 757 | 0 |
| 28/07/2021 | 23:15 | 12.2 | 0 | --- | 757.1 | 0 |
| 28/07/2021 | 23:30 | 12.2 | 0.4 | W | 757.2 | 0 |
| 28/07/2021 | 23:45 | 12.9 | 3.1 | W | 757.2 | 0 |
| 29/07/2021 | 00:00 | 13.3 | 2.2 | W | 757.3 | 0 |
| 29/07/2021 | 00:15 | 13.4 | 2.7 | W | 757.4 | 0 |
| 29/07/2021 | 00:30 | 13.3 | 2.4 | W | 757.5 | 0 |
| 29/07/2021 | 00:45 | 13.1 | 2.7 | W | 757.5 | 0 |
| 29/07/2021 | 01:00 | 12.7 | 2.3 | W | 757.6 | 0 |
| 29/07/2021 | 01:15 | 12.7 | 2.6 | W | 757.5 | 0 |
| 29/07/2021 | 01:30 | 12.8 | 2.6 | W | 757.4 | 0 |
| 29/07/2021 | 01:45 | 12.8 | 2.8 | W | 757.4 | 0 |
| 29/07/2021 | 02:00 | 12.9 | 2.7 | W | 757.4 | 0 |
| 29/07/2021 | 02:15 | 12.9 | 3.1 | W | 757.4 | 0 |
| 29/07/2021 | 02:30 | 12.5 | 3.4 | W | 757.3 | 0.25 |
| 29/07/2021 | 02:45 | 12.5 | 3 | W | 757.3 | 0 |
| 29/07/2021 | 03:00 | 12.6 | 1.3 | W | 757.4 | 0 |
| 29/07/2021 | 03:15 | 12.7 | 1.3 | W | 757.5 | 0 |
| 29/07/2021 | 03:30 | 12.6 | 0.9 | W | 757.5 | 0 |
| 29/07/2021 | 03:45 | 12.7 | 1.3 | W | 757.6 | 0 |
| 29/07/2021 | 04:00 | 12.8 | 1.3 | W | 757.9 | 0 |
| 29/07/2021 | 04:15 | 12.7 | 0.9 | W | 758 | 0 |
| 29/07/2021 | 04:30 | 12.8 | 0.9 | W | 758 | 0 |
| 29/07/2021 | 04:45 | 12.9 | 0.9 | W | 758 | 0 |
| 29/07/2021 | 05:00 | 12.6 | 0.4 | W | 758.1 | 0 |
| 29/07/2021 | 05:15 | 12.5 | 0.4 | W | 758.2 | 0 |
| 29/07/2021 | 05:30 | 12.7 | 0.4 | W | 758.3 | 0 |
| 29/07/2021 | 05:45 | 12.7 | 0.4 | W | 758.3 | 0 |
| 29/07/2021 | 06:00 | 12.8 | 0.4 | W | 758.4 | 0 |
| 29/07/2021 | 06:15 | 13.1 | 0.9 | W | 758.5 | 0 |
| 29/07/2021 | 06:30 | 13.1 | 0.4 | W | 758.5 | 0 |
| 29/07/2021 | 06:45 | 13.3 | 0.9 | W | 758.7 | 0 |
| 29/07/2021 | 07:00 | 13.5 | 1.3 | W | 758.7 | 0 |
| 29/07/2021 | 07:15 | 13.7 | 1.3 | W | 758.7 | 0 |
| 29/07/2021 | 07:30 | 14.1 | 1.8 | W | 758.9 | 0 |
| 29/07/2021 | 07:45 | 14.4 | 1.8 | W | 758.9 | 0 |
| 29/07/2021 | 08:00 | 14.5 | 1.8 | W | 759 | 0 |
| 29/07/2021 | 08:15 | 14.4 | 1.3 | W | 758.9 | 0 |
| 29/07/2021 | 08:30 | 14.7 | 1.8 | W | 759 | 0 |
| 29/07/2021 | 08:45 | 15.2 | 0.9 | W | 759.1 | 0 |
| 29/07/2021 | 09:00 | 15.4 | 1.3 | W | 759.3 | 0 |
| 29/07/2021 | 09:15 | 15.8 | 1.8 | W | 759.4 | 0 |
| 29/07/2021 | 09:30 | 16.1 | 1.3 | W | 759.4 | 0 |
| 29/07/2021 | 09:45 | 16.3 | 1.8 | W | 759.2 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 29/07/2021 | 10:00 | 16.9 | 1.3 | W | 759.3 | 0 |
| 29/07/2021 | 10:15 | 17.1 | 0.9 | WNW | 759.6 | 0 |
| 29/07/2021 | 10:30 | 17.1 | 1.3 | W | 759.4 | 0 |
| 29/07/2021 | 10:45 | 17.7 | 1.3 | W | 759.4 | 0 |
| 29/07/2021 | 11:00 | 17 | 1.8 | W | 759.8 | 0 |
| 29/07/2021 | 11:15 | 17.7 | 0.9 | W | 759.8 | 0 |
| 29/07/2021 | 11:30 | 18 | 1.3 | WNW | 759.8 | 0 |
| 29/07/2021 | 11:45 | 18 | 1.3 | W | 759.9 | 0 |
| 29/07/2021 | 12:00 | 18.3 | 1.3 | W | 759.8 | 0 |
| 29/07/2021 | 12:15 | 17.8 | 1.3 | W | 759.8 | 0 |
| 29/07/2021 | 12:30 | 17.7 | 1.3 | W | 759.9 | 0 |
| 29/07/2021 | 12:45 | 18 | 0.9 | W | 760 | 0 |
| 29/07/2021 | 13:00 | 17.7 | 0.9 | W | 759.9 | 0 |
| 29/07/2021 | 13:15 | 17.6 | 1.3 | W | 760 | 0 |
| 29/07/2021 | 13:30 | 17.9 | 1.3 | W | 760 | 0 |
| 29/07/2021 | 13:45 | 17.9 | 0.9 | W | 760.1 | 0 |
| 29/07/2021 | 14:00 | 18.1 | 1.3 | WNW | 760.1 | 0 |
| 29/07/2021 | 14:15 | 18.9 | 0.9 | W | 759.9 | 0 |
| 29/07/2021 | 14:30 | 18.3 | 0.9 | WNW | 760.2 | 0 |
| 29/07/2021 | 14:45 | 18.9 | 0.9 | W | 760.1 | 0 |
| 29/07/2021 | 15:00 | 18.3 | 1.3 | W | 760.2 | 0 |
| 29/07/2021 | 15:15 | 19.7 | 0.9 | W | 760.1 | 0 |
| 29/07/2021 | 15:30 | 19.6 | 0.9 | W | 760.1 | 0 |
| 29/07/2021 | 15:45 | 19.9 | 1.3 | W | 760 | 0 |
| 29/07/2021 | 16:00 | 19.6 | 1.8 | WNW | 760.1 | 0 |
| 29/07/2021 | 16:15 | 20.3 | 0.9 | W | 760.1 | 0 |
| 29/07/2021 | 16:30 | 20.3 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 16:45 | 19.9 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 17:00 | 19.2 | 0.9 | W | 760.4 | 0 |
| 29/07/2021 | 17:15 | 20.3 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 17:30 | 19.4 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 17:45 | 18.9 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 18:00 | 19.7 | 0.9 | W | 760.3 | 0 |
| 29/07/2021 | 18:15 | 20.1 | 0.4 | W | 760.1 | 0 |
| 29/07/2021 | 18:30 | 18.7 | 0.4 | W | 760 | 0 |
| 29/07/2021 | 18:45 | 19.7 | 0.4 | W | 759.9 | 0 |
| 29/07/2021 | 19:00 | 19.6 | 0.4 | W | 759.9 | 0 |
| 29/07/2021 | 19:15 | 18.5 | 0.9 | W | 759.9 | 0 |
| 29/07/2021 | 19:30 | 17.8 | 0.4 | W | 759.8 | 0 |
| 29/07/2021 | 19:45 | 17.2 | 0.4 | WNW | 759.7 | 0 |
| 29/07/2021 | 20:00 | 16.7 | 0.4 | W | 759.7 | 0 |
| 29/07/2021 | 20:15 | 16.4 | 0 | W | 759.6 | 0 |
| 29/07/2021 | 20:30 | 16.3 | 0 | W | 759.4 | 0 |
| 29/07/2021 | 20:45 | 16.1 | 0.4 | W | 759.5 | 0 |
| 29/07/2021 | 21:00 | 15.7 | 0 | --- | 759.5 | 0 |
| 29/07/2021 | 21:15 | 15.4 | 0 | --- | 759.4 | 0 |
| 29/07/2021 | 21:30 | 15.2 | 0 | --- | 759.3 | 0 |
| 29/07/2021 | 21:45 | 14.8 | 0.4 | W | 759.2 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 29/07/2021 | 22:00 | 14.2 | 0.4 | W | 759.2 | 0 |
| 29/07/2021 | 22:15 | 14 | 0.4 | W | 759 | 0 |
| 29/07/2021 | 22:30 | 13.7 | 0 | --- | 759 | 0 |
| 29/07/2021 | 22:45 | 13.6 | 0.4 | W | 759 | 0 |
| 29/07/2021 | 23:00 | 13.7 | 0 | --- | 758.8 | 0 |
| 29/07/2021 | 23:15 | 13.6 | 0.4 | W | 758.4 | 0 |
| 29/07/2021 | 23:30 | 13.4 | 0 | --- | 758.5 | 0 |
| 29/07/2021 | 23:45 | 13.4 | 0 | --- | 758.4 | 0 |
| 30/07/2021 | 00:00 | 13.1 | 0 | --- | 758.3 | 1.02 |
| 30/07/2021 | 00:15 | 12.6 | 0 | --- | 758.2 | 0.25 |
| 30/07/2021 | 00:30 | 12.3 | 0 | W | 758 | 0 |
| 30/07/2021 | 00:45 | 12.2 | 0 | --- | 757.6 | 0.25 |
| 30/07/2021 | 01:00 | 12.1 | 0.4 | W | 757.3 | 0 |
| 30/07/2021 | 01:15 | 12 | 0.4 | W | 757.3 | 0 |
| 30/07/2021 | 01:30 | 11.9 | 0.4 | W | 757.1 | 0 |
| 30/07/2021 | 01:45 | 11.9 | 0 | --- | 756.9 | 0 |
| 30/07/2021 | 02:00 | 11.9 | 0.4 | W | 756.9 | 0 |
| 30/07/2021 | 02:15 | 11.9 | 0 | --- | 756.9 | 0 |
| 30/07/2021 | 02:30 | 12.1 | 0 | --- | 756.5 | 0 |
| 30/07/2021 | 02:45 | 12.1 | 0 | --- | 756.5 | 0 |
| 30/07/2021 | 03:00 | 12.1 | 0 | --- | 756.4 | 1.02 |
| 30/07/2021 | 03:15 | 12 | 0 | --- | 756.2 | 0.76 |
| 30/07/2021 | 03:30 | 11.9 | 0 | --- | 755.9 | 1.27 |
| 30/07/2021 | 03:45 | 11.8 | 0 | --- | 755.7 | 0.25 |
| 30/07/2021 | 04:00 | 11.9 | 0 | --- | 755.4 | 1.27 |
| 30/07/2021 | 04:15 | 11.9 | 0.4 | W | 755.3 | 2.29 |
| 30/07/2021 | 04:30 | 12 | 0 | --- | 755.1 | 4.32 |
| 30/07/2021 | 04:45 | 12.1 | 0.4 | W | 754.9 | 3.81 |
| 30/07/2021 | 05:00 | 12.1 | 0.4 | W | 754.7 | 1.78 |
| 30/07/2021 | 05:15 | 12.1 | 0.4 | W | 754.5 | 0 |
| 30/07/2021 | 05:30 | 12.1 | 0.4 | W | 754.4 | 0.25 |
| 30/07/2021 | 05:45 | 12.1 | 0.4 | W | 754.3 | 0 |
| 30/07/2021 | 06:00 | 12.1 | 0.4 | W | 754.2 | 0 |
| 30/07/2021 | 06:15 | 12.1 | 0.4 | W | 754.2 | 0 |
| 30/07/2021 | 06:30 | 12.2 | 0.4 | W | 754.1 | 0 |
| 30/07/2021 | 06:45 | 12.2 | 0.4 | W | 754 | 0.25 |
| 30/07/2021 | 07:00 | 12.3 | 0.4 | W | 754 | 0 |
| 30/07/2021 | 07:15 | 12.4 | 0 | --- | 753.9 | 0 |
| 30/07/2021 | 07:30 | 12.6 | 0.4 | W | 753.9 | 0 |
| 30/07/2021 | 07:45 | 12.7 | 0.4 | W | 753.8 | 0 |
| 30/07/2021 | 08:00 | 12.8 | 0.4 | W | 753.7 | 0 |
| 30/07/2021 | 08:15 | 12.9 | 0.4 | W | 753.6 | 0 |
| 30/07/2021 | 08:30 | 13.1 | 0.4 | W | 753.6 | 0 |
| 30/07/2021 | 08:45 | 13.1 | 0.4 | NNW | 753.7 | 0 |
| 30/07/2021 | 09:00 | 13.1 | 0.4 | NNW | 753.7 | 0 |
| 30/07/2021 | 09:15 | 13.3 | 0.4 | NNW | 753.9 | 0 |
| 30/07/2021 | 09:30 | 13.4 | 0.4 | NNW | 753.8 | 0 |
| 30/07/2021 | 09:45 | 13.6 | 0.4 | NNW | 753.9 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 30/07/2021 | 10:00 | 13.8 | 0.4 | NW | 753.9 | 0 |
| 30/07/2021 | 10:15 | 13.9 | 0.4 | NW | 754 | 0 |
| 30/07/2021 | 10:30 | 13.8 | 0.4 | NW | 754.1 | 0 |
| 30/07/2021 | 10:45 | 13.8 | 0.4 | NW | 754.2 | 0 |
| 30/07/2021 | 11:00 | 13.7 | 0.9 | NNW | 754.3 | 0 |
| 30/07/2021 | 11:15 | 13.7 | 0.9 | NNW | 754.3 | 0 |
| 30/07/2021 | 11:30 | 13.8 | 0.4 | NNW | 754.5 | 0 |
| 30/07/2021 | 11:45 | 13.9 | 0.4 | NNW | 754.6 | 0 |
| 30/07/2021 | 12:00 | 14 | 0.9 | NNW | 754.6 | 0 |
| 30/07/2021 | 12:15 | 13.8 | 1.3 | NW | 754.7 | 0 |
| 30/07/2021 | 12:30 | 13.9 | 1.3 | NW | 754.7 | 0 |
| 30/07/2021 | 12:45 | 13.9 | 1.8 | NNW | 754.8 | 0 |
| 30/07/2021 | 13:00 | 14.2 | 1.3 | NNW | 754.9 | 0 |
| 30/07/2021 | 13:15 | 14.2 | 1.8 | NNW | 755.1 | 0 |
| 30/07/2021 | 13:30 | 14.2 | 1.3 | NNW | 755.3 | 0 |
| 30/07/2021 | 13:45 | 14 | 1.3 | NNW | 755.4 | 0 |
| 30/07/2021 | 14:00 | 13.8 | 1.8 | NNW | 755.5 | 0 |
| 30/07/2021 | 14:15 | 14 | 1.8 | NNW | 755.6 | 0 |
| 30/07/2021 | 14:30 | 14.8 | 1.3 | NNW | 755.7 | 0 |
| 30/07/2021 | 14:45 | 15.4 | 2.2 | NNW | 755.7 | 0 |
| 30/07/2021 | 15:00 | 15.8 | 1.8 | NNW | 755.7 | 0 |
| 30/07/2021 | 15:15 | 15.6 | 1.3 | NW | 756 | 0 |
| 30/07/2021 | 15:30 | 15.7 | 0.4 | NNW | 756.3 | 0 |
| 30/07/2021 | 15:45 | 17.1 | 0.9 | NNW | 756.3 | 0 |
| 30/07/2021 | 16:00 | 16.4 | 1.3 | NNW | 756.5 | 0 |
| 30/07/2021 | 16:15 | 15.8 | 1.3 | NNW | 756.6 | 0 |
| 30/07/2021 | 16:30 | 16.1 | 1.3 | NNW | 756.7 | 0 |
| 30/07/2021 | 16:45 | 16.1 | 1.3 | NNW | 756.9 | 0 |
| 30/07/2021 | 17:00 | 16.3 | 0.9 | NW | 757 | 0 |
| 30/07/2021 | 17:15 | 16.2 | 1.8 | NNW | 757 | 0 |
| 30/07/2021 | 17:30 | 16.2 | 2.7 | NW | 757.3 | 0 |
| 30/07/2021 | 17:45 | 16 | 2.2 | NW | 757.3 | 0 |
| 30/07/2021 | 18:00 | 15.8 | 1.3 | NNW | 757.3 | 0 |
| 30/07/2021 | 18:15 | 15.9 | 1.3 | NNW | 757.3 | 0 |
| 30/07/2021 | 18:30 | 16.2 | 1.3 | NW | 757.4 | 0 |
| 30/07/2021 | 18:45 | 15.9 | 1.8 | NW | 757.6 | 0 |
| 30/07/2021 | 19:00 | 15.4 | 0.9 | NNW | 757.6 | 0 |
| 30/07/2021 | 19:15 | 15.2 | 0.4 | NNW | 757.7 | 0 |
| 30/07/2021 | 19:30 | 15.4 | 0.9 | NNW | 757.9 | 0 |
| 30/07/2021 | 19:45 | 15.6 | 0.9 | NNW | 758 | 0 |
| 30/07/2021 | 20:00 | 15.7 | 1.3 | WNW | 758 | 0 |
| 30/07/2021 | 20:15 | 15.4 | 2.7 | NW | 758 | 0 |
| 30/07/2021 | 20:30 | 15.3 | 2.2 | WNW | 758.1 | 0 |
| 30/07/2021 | 20:45 | 15.2 | 1.8 | NW | 758.2 | 0 |
| 30/07/2021 | 21:00 | 15.1 | 1.8 | WNW | 758.3 | 0 |
| 30/07/2021 | 21:15 | 14.9 | 2.7 | WNW | 758.5 | 0 |
| 30/07/2021 | 21:30 | 14.8 | 1.8 | WNW | 758.5 | 0 |
| 30/07/2021 | 21:45 | 14.8 | 2.7 | WNW | 758.5 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 30/07/2021 | 22:00 | 14.8 | 2.7 | WNW | 758.4 | 0 |
| 30/07/2021 | 22:15 | 14.8 | 1.8 | NW | 758.4 | 0 |
| 30/07/2021 | 22:30 | 14.8 | 1.7 | NW | 758.5 | 0 |
| 30/07/2021 | 22:45 | 14.8 | 2 | WNW | 758.4 | 0 |
| 30/07/2021 | 23:00 | 14.8 | 2.1 | NW | 758.5 | 0 |
| 30/07/2021 | 23:15 | 14.7 | 2.3 | NW | 758.6 | 0 |
| 30/07/2021 | 23:30 | 14.5 | 2.7 | NW | 758.7 | 0 |
| 30/07/2021 | 23:45 | 14.6 | 2.7 | WNW | 758.8 | 0 |
| 31/07/2021 | 00:00 | 14.4 | 1.3 | NW | 759 | 0 |
| 31/07/2021 | 00:15 | 14.4 | 1.3 | WNW | 759.1 | 0 |
| 31/07/2021 | 00:30 | 14.4 | 2.2 | W | 759.1 | 0 |
| 31/07/2021 | 00:45 | 14.4 | 0.4 | W | 759.1 | 0 |
| 31/07/2021 | 01:00 | 14.4 | 1.8 | W | 759.2 | 0 |
| 31/07/2021 | 01:15 | 14.3 | 0.4 | W | 759.1 | 0 |
| 31/07/2021 | 01:30 | 14.2 | 0.4 | WNW | 759.1 | 0 |
| 31/07/2021 | 01:45 | 14.1 | 0.9 | W | 759.1 | 0 |
| 31/07/2021 | 02:00 | 14.1 | 0.4 | W | 759 | 0 |
| 31/07/2021 | 02:15 | 14.1 | 0.4 | W | 759.1 | 0 |
| 31/07/2021 | 02:30 | 14.1 | 0.9 | WNW | 759 | 0 |
| 31/07/2021 | 02:45 | 14.2 | 0.4 | WNW | 759 | 0 |
| 31/07/2021 | 03:00 | 14.1 | 0.4 | NNW | 759 | 0 |
| 31/07/2021 | 03:15 | 14.1 | 0.9 | W | 759.1 | 0 |
| 31/07/2021 | 03:30 | 14.1 | 0.9 | W | 759.1 | 0 |
| 31/07/2021 | 03:45 | 14.1 | 1.8 | WNW | 759.1 | 0 |
| 31/07/2021 | 04:00 | 14 | 0.4 | WNW | 759.1 | 0 |
| 31/07/2021 | 04:15 | 14.1 | 0 | WNW | 759.1 | 0 |
| 31/07/2021 | 04:30 | 14.1 | 0 | WNW | 759 | 0 |
| 31/07/2021 | 04:45 | 14.1 | 0 | WNW | 759.1 | 0 |
| 31/07/2021 | 05:00 | 14.1 | 0 | WNW | 759.1 | 0 |
| 31/07/2021 | 05:15 | 14.1 | 0.4 | WNW | 759.1 | 0 |
| 31/07/2021 | 05:30 | 14.1 | 0.4 | WNW | 759.2 | 0 |
| 31/07/2021 | 05:45 | 14 | 2.2 | W | 759.2 | 0 |
| 31/07/2021 | 06:00 | 14.2 | 1.8 | WNW | 759.3 | 0 |
| 31/07/2021 | 06:15 | 14.3 | 0.4 | WNW | 759.3 | 0 |
| 31/07/2021 | 06:30 | 14.4 | 2.2 | WNW | 759.4 | 0 |
| 31/07/2021 | 06:45 | 14.5 | 1.3 | W | 759.5 | 0 |
| 31/07/2021 | 07:00 | 14.5 | 0.9 | WNW | 759.5 | 0 |
| 31/07/2021 | 07:15 | 14.6 | 0.9 | WNW | 759.6 | 0 |
| 31/07/2021 | 07:30 | 14.7 | 1.3 | WNW | 759.7 | 0 |
| 31/07/2021 | 07:45 | 14.7 | 1.3 | WNW | 759.7 | 0 |
| 31/07/2021 | 08:00 | 14.7 | 1.3 | W | 759.7 | 0 |
| 31/07/2021 | 08:15 | 14.7 | 0.4 | W | 759.7 | 0 |
| 31/07/2021 | 08:30 | 14.9 | 1.3 | WNW | 759.7 | 0 |
| 31/07/2021 | 08:45 | 15.4 | 2.2 | W | 759.8 | 0 |
| 31/07/2021 | 09:00 | 15.4 | 1.8 | W | 759.9 | 0 |
| 31/07/2021 | 09:15 | 15.6 | 1.8 | W | 760 | 0 |
| 31/07/2021 | 09:30 | 15.8 | 0.4 | W | 760.1 | 0 |
| 31/07/2021 | 09:45 | 16.2 | 1.2 | W | 760.1 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 31/07/2021 | 10:00 | 16.1 | 1.8 | WNW | 760.1 | 0 |
| 31/07/2021 | 10:15 | 16.3 | 1.3 | W | 760.3 | 0 |
| 31/07/2021 | 10:30 | 16.4 | 1.8 | WNW | 760.2 | 0 |
| 31/07/2021 | 10:45 | 16.7 | 0.9 | WNW | 760.2 | 0 |
| 31/07/2021 | 11:00 | 16.7 | 0.4 | W | 760.3 | 0 |
| 31/07/2021 | 11:15 | 16.9 | 0.4 | WNW | 760.3 | 0 |
| 31/07/2021 | 11:30 | 16.7 | 0.9 | WNW | 760.3 | 0 |
| 31/07/2021 | 11:45 | 16.3 | 0.9 | WNW | 760.5 | 0 |
| 31/07/2021 | 12:00 | 16.1 | 1.8 | NW | 760.5 | 0 |
| 31/07/2021 | 12:15 | 15.8 | 1.8 | W | 760.6 | 0 |
| 31/07/2021 | 12:30 | 16 | 1.3 | W | 760.5 | 0 |
| 31/07/2021 | 12:45 | 16.2 | 0.4 | W | 760.6 | 0 |
| 31/07/2021 | 13:00 | 16 | 0.4 | WNW | 760.6 | 0 |
| 31/07/2021 | 13:15 | 16.6 | 0.4 | WNW | 760.5 | 0 |
| 31/07/2021 | 13:30 | 17.2 | 0.9 | WNW | 760.6 | 0 |
| 31/07/2021 | 13:45 | 16.9 | 0.4 | WNW | 760.7 | 0 |
| 31/07/2021 | 14:00 | 16.9 | 1.3 | WNW | 760.7 | 0 |
| 31/07/2021 | 14:15 | 16.6 | 0.9 | WNW | 760.8 | 0 |
| 31/07/2021 | 14:30 | 16.6 | 0.4 | WNW | 760.9 | 0 |
| 31/07/2021 | 14:45 | 17.1 | 1.3 | W | 760.8 | 0 |
| 31/07/2021 | 15:00 | 17 | 0.9 | WNW | 760.9 | 0 |
| 31/07/2021 | 15:15 | 16.3 | 0.9 | WNW | 761 | 0 |
| 31/07/2021 | 15:30 | 16.1 | 0.4 | WNW | 760.9 | 0 |
| 31/07/2021 | 15:45 | 16.2 | 0.4 | WNW | 761 | 0 |
| 31/07/2021 | 16:00 | 16.4 | 1.3 | W | 761 | 0 |
| 31/07/2021 | 16:15 | 16.4 | 0.4 | W | 761 | 0 |
| 31/07/2021 | 16:30 | 16.7 | 0.4 | W | 760.9 | 0 |
| 31/07/2021 | 16:45 | 16.8 | 0.4 | W | 760.9 | 0 |
| 31/07/2021 | 17:00 | 16.7 | 0 | --- | 760.8 | 0 |
| 31/07/2021 | 17:15 | 16.6 | 0.4 | W | 760.8 | 0 |
| 31/07/2021 | 17:30 | 16.4 | 0.4 | W | 760.8 | 0 |
| 31/07/2021 | 17:45 | 16.3 | 0.4 | W | 760.7 | 0 |
| 31/07/2021 | 18:00 | 16.4 | 0.4 | W | 760.7 | 0 |
| 31/07/2021 | 18:15 | 16.4 | 0.4 | W | 760.6 | 0 |
| 31/07/2021 | 18:30 | 16.2 | 0.4 | W | 760.7 | 0 |
| 31/07/2021 | 18:45 | 16.1 | 0.4 | W | 760.7 | 0 |
| 31/07/2021 | 19:00 | 16.2 | 0.4 | W | 760.8 | 0 |
| 31/07/2021 | 19:15 | 16.3 | 0.4 | W | 760.8 | 0 |
| 31/07/2021 | 19:30 | 16.3 | 0.4 | W | 760.7 | 0 |
| 31/07/2021 | 19:45 | 16.3 | 0.9 | WNW | 760.8 | 0 |
| 31/07/2021 | 20:00 | 16.3 | 1.3 | WNW | 760.8 | 0 |
| 31/07/2021 | 20:15 | 16.3 | 0.9 | W | 760.8 | 0 |
| 31/07/2021 | 20:30 | 16.3 | 1.3 | W | 760.7 | 0 |
| 31/07/2021 | 20:45 | 16.2 | 2.2 | WNW | 760.8 | 0 |
| 31/07/2021 | 21:00 | 16.1 | 0.9 | W | 760.9 | 0 |
| 31/07/2021 | 21:15 | 15.9 | 2.2 | W | 760.9 | 0 |
| 31/07/2021 | 21:30 | 15.8 | 1.8 | WNW | 761 | 0 |
| 31/07/2021 | 21:45 | 15.7 | 2.2 | WNW | 761.1 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 31/07/2021 | 22:00 | 15.6 | 1.8 | WNW | 761 | 0 |
| 31/07/2021 | 22:15 | 15.4 | 1.8 | W | 761 | 0 |
| 31/07/2021 | 22:30 | 15.3 | 2.2 | W | 761 | 0 |
| 31/07/2021 | 22:45 | 15.3 | 2.7 | WNW | 761 | 0 |
| 31/07/2021 | 23:00 | 15.3 | 2.2 | WNW | 760.9 | 0 |
| 31/07/2021 | 23:15 | 15.3 | 1.3 | WNW | 760.9 | 0 |
| 31/07/2021 | 23:30 | 15.2 | 1.3 | WNW | 760.9 | 0 |
| 31/07/2021 | 23:45 | 15.3 | 2.2 | WNW | 760.8 | 0 |
| 01/08/2021 | 00:00 | 15.2 | 2.7 | WNW | 760.8 | 0 |
| 01/08/2021 | 00:15 | 15.1 | 1.3 | WNW | 760.8 | 0 |
| 01/08/2021 | 00:30 | 15.1 | 1.3 | WNW | 760.8 | 0 |
| 01/08/2021 | 00:45 | 15.1 | 0.4 | WNW | 760.8 | 0 |
| 01/08/2021 | 01:00 | 15.1 | 1.3 | W | 760.9 | 0 |
| 01/08/2021 | 01:15 | 15 | 1.3 | W | 761 | 0 |
| 01/08/2021 | 01:30 | 14.9 | 0.4 | WNW | 761 | 0 |
| 01/08/2021 | 01:45 | 14.8 | 0.4 | WNW | 761 | 0 |
| 01/08/2021 | 02:00 | 14.6 | 0.4 | WNW | 761.1 | 0 |
| 01/08/2021 | 02:15 | 14.4 | 0.4 | WNW | 761 | 0 |
| 01/08/2021 | 02:30 | 14.3 | 0.4 | WNW | 761.1 | 0 |
| 01/08/2021 | 02:45 | 14.2 | 0 | --- | 761 | 0 |
| 01/08/2021 | 03:00 | 14 | 0 | --- | 761 | 0 |
| 01/08/2021 | 03:15 | 13.8 | 0.4 | WNW | 761 | 0 |
| 01/08/2021 | 03:30 | 13.6 | 0.4 | WNW | 761.1 | 0 |
| 01/08/2021 | 03:45 | 13.3 | 1.3 | WNW | 761.1 | 0 |
| 01/08/2021 | 04:00 | 13.2 | 1.8 | WNW | 761.1 | 0 |
| 01/08/2021 | 04:15 | 13.1 | 0.9 | W | 761.1 | 0 |
| 01/08/2021 | 04:30 | 13 | 0.9 | W | 761.1 | 0 |
| 01/08/2021 | 04:45 | 12.9 | 0 | --- | 761 | 0 |
| 01/08/2021 | 05:00 | 12.9 | 0.4 | W | 761.1 | 0 |
| 01/08/2021 | 05:15 | 12.8 | 0.9 | W | 761.1 | 0 |
| 01/08/2021 | 05:30 | 12.8 | 0.9 | W | 761.3 | 0 |
| 01/08/2021 | 05:45 | 12.8 | 0.9 | WNW | 761.2 | 0 |
| 01/08/2021 | 06:00 | 12.8 | 0.9 | WNW | 761.3 | 0 |
| 01/08/2021 | 06:15 | 12.7 | 0.4 | WNW | 761.4 | 0 |
| 01/08/2021 | 06:30 | 12.5 | 0.9 | WNW | 761.4 | 0 |
| 01/08/2021 | 06:45 | 12.4 | 0.4 | WNW | 761.4 | 0 |
| 01/08/2021 | 07:00 | 12.6 | 1.8 | WSW | 761.6 | 0 |
| 01/08/2021 | 07:15 | 12.7 | 0.9 | WNW | 761.5 | 0 |
| 01/08/2021 | 07:30 | 12.9 | 0.9 | WNW | 761.6 | 0 |
| 01/08/2021 | 07:45 | 13.2 | 1.3 | WNW | 761.7 | 0 |
| 01/08/2021 | 08:00 | 13.4 | 2.2 | WNW | 761.7 | 0 |
| 01/08/2021 | 08:15 | 13.6 | 0.9 | NW | 761.7 | 0 |
| 01/08/2021 | 08:30 | 13.8 | 3.1 | W | 761.8 | 0 |
| 01/08/2021 | 08:45 | 14.1 | 2.2 | WNW | 761.9 | 0 |
| 01/08/2021 | 09:00 | 14.2 | 3.1 | WNW | 761.9 | 0 |
| 01/08/2021 | 09:15 | 14.6 | 2.2 | WNW | 762.1 | 0 |
| 01/08/2021 | 09:30 | 15.1 | 3.1 | WNW | 762.1 | 0 |
| 01/08/2021 | 09:45 | 15.3 | 2.2 | WNW | 762.1 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 01/08/2021 | 10:00 | 15.5 | 2.2 | WNW | 762.1 | 0 |
| 01/08/2021 | 10:15 | 15.7 | 0.9 | WNW | 762.2 | 0 |
| 01/08/2021 | 10:30 | 15.5 | 1.8 | WNW | 762 | 0 |
| 01/08/2021 | 10:45 | 15.7 | 1.3 | W | 762 | 0 |
| 01/08/2021 | 11:00 | 15.7 | 2.2 | WNW | 762.1 | 0 |
| 01/08/2021 | 11:15 | 15.9 | 1.8 | W | 762.2 | 0 |
| 01/08/2021 | 11:30 | 16.1 | 2.7 | WNW | 762.2 | 0 |
| 01/08/2021 | 11:45 | 16.2 | 0.4 | WNW | 762.3 | 0 |
| 01/08/2021 | 12:00 | 17.4 | 0.4 | WSW | 762.2 | 0 |
| 01/08/2021 | 12:15 | 17.5 | 1.8 | WNW | 762.4 | 0 |
| 01/08/2021 | 12:30 | 17.6 | 0.9 | WNW | 762.3 | 0 |
| 01/08/2021 | 12:45 | 18.1 | 0.9 | NW | 762.4 | 0 |
| 01/08/2021 | 13:00 | 17.8 | 0.9 | NW | 762.6 | 0 |
| 01/08/2021 | 13:15 | 19.5 | 1.3 | NW | 762.4 | 0 |
| 01/08/2021 | 13:30 | 18.8 | 0.9 | NW | 762.7 | 0 |
| 01/08/2021 | 13:45 | 18.8 | 1.3 | NW | 762.8 | 0 |
| 01/08/2021 | 14:00 | 18.7 | 1.8 | NW | 763 | 0 |
| 01/08/2021 | 14:15 | 18.5 | 1.8 | NW | 763.1 | 0 |
| 01/08/2021 | 14:30 | 18.8 | 0.9 | NW | 763.1 | 0 |
| 01/08/2021 | 14:45 | 19.8 | 0.9 | N | 763.1 | 0 |
| 01/08/2021 | 15:00 | 19.6 | 0.4 | NNW | 763.2 | 0 |
| 01/08/2021 | 15:15 | 19.9 | 0.4 | NNW | 763.1 | 0 |
| 01/08/2021 | 15:30 | 19.4 | 0.4 | NNW | 763.1 | 0 |
| 01/08/2021 | 15:45 | 18.8 | 0.4 | NNW | 763.2 | 0 |
| 01/08/2021 | 16:00 | 18.6 | 0.9 | WNW | 763.3 | 0 |
| 01/08/2021 | 16:15 | 18.1 | 0.9 | WNW | 763.3 | 0 |
| 01/08/2021 | 16:30 | 18.5 | 0.4 | WNW | 763.3 | 0 |
| 01/08/2021 | 16:45 | 20.3 | 1.3 | WNW | 763.3 | 0 |
| 01/08/2021 | 17:00 | 19.1 | 0.4 | NW | 763.4 | 0 |
| 01/08/2021 | 17:15 | 18.1 | 0.4 | NW | 763.5 | 0 |
| 01/08/2021 | 17:30 | 18.1 | 0.4 | NW | 763.5 | 0 |
| 01/08/2021 | 17:45 | 18.2 | 0.4 | NW | 763.4 | 0 |
| 01/08/2021 | 18:00 | 18.3 | 0.4 | NW | 763.6 | 0 |
| 01/08/2021 | 18:15 | 17.7 | 0.4 | NW | 763.4 | 0 |
| 01/08/2021 | 18:30 | 17.3 | 0.4 | NW | 763.4 | 0 |
| 01/08/2021 | 18:45 | 17.7 | 0.4 | NW | 763.6 | 0 |
| 01/08/2021 | 19:00 | 18.7 | 0.4 | NW | 763.7 | 0 |
| 01/08/2021 | 19:15 | 18.2 | 0.4 | NW | 763.7 | 0 |
| 01/08/2021 | 19:30 | 17.8 | 0.4 | NW | 763.7 | 0 |
| 01/08/2021 | 19:45 | 17.3 | 0.4 | NW | 763.9 | 0 |
| 01/08/2021 | 20:00 | 16.9 | 0.4 | NW | 763.9 | 0 |
| 01/08/2021 | 20:15 | 16.3 | 0.4 | NW | 764 | 0 |
| 01/08/2021 | 20:30 | 15.7 | 0.4 | NW | 764 | 0 |
| 01/08/2021 | 20:45 | 15.2 | 0.4 | NW | 764.2 | 0 |
| 01/08/2021 | 21:00 | 14.9 | 0.4 | NW | 764.2 | 0 |
| 01/08/2021 | 21:15 | 14.5 | 0.4 | NW | 764.3 | 0 |
| 01/08/2021 | 21:30 | 14.2 | 0.4 | NW | 764.4 | 0 |
| 01/08/2021 | 21:45 | 13.6 | 0.4 | NW | 764.6 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 01/08/2021 | 22:00 | 13.4 | 0.9 | NW | 764.7 | 0 |
| 01/08/2021 | 22:15 | 13.2 | 0.4 | WNW | 764.8 | 0 |
| 01/08/2021 | 22:30 | 13.1 | 0.9 | WNW | 764.9 | 0 |
| 01/08/2021 | 22:45 | 13 | 0.4 | WNW | 764.9 | 0 |
| 01/08/2021 | 23:00 | 13.2 | 0.4 | WNW | 764.8 | 0 |
| 01/08/2021 | 23:15 | 13.2 | 0.4 | WNW | 764.8 | 0 |
| 01/08/2021 | 23:30 | 13.6 | 0.4 | WNW | 764.8 | 0 |
| 01/08/2021 | 23:45 | 13.8 | 0.9 | WNW | 764.7 | 0 |
| 02/08/2021 | 00:00 | 13.9 | 0.9 | WNW | 764.8 | 0 |
| 02/08/2021 | 00:15 | 13.9 | 1.8 | W | 764.8 | 0 |
| 02/08/2021 | 00:30 | 13.8 | 1.3 | WNW | 764.8 | 0 |
| 02/08/2021 | 00:45 | 13.9 | 1.8 | WNW | 764.8 | 0 |
| 02/08/2021 | 01:00 | 13.9 | 0.9 | WNW | 764.8 | 0 |
| 02/08/2021 | 01:15 | 14.1 | 1.3 | WNW | 764.7 | 0 |
| 02/08/2021 | 01:30 | 14 | 0.9 | W | 764.7 | 0 |
| 02/08/2021 | 01:45 | 14 | 0.4 | W | 764.7 | 0 |
| 02/08/2021 | 02:00 | 13.9 | 0.9 | W | 764.7 | 0 |
| 02/08/2021 | 02:15 | 13.8 | 0.4 | W | 764.7 | 0 |
| 02/08/2021 | 02:30 | 13.6 | 0.4 | W | 764.7 | 0 |
| 02/08/2021 | 02:45 | 13.5 | 1.8 | W | 764.7 | 0 |
| 02/08/2021 | 03:00 | 13.6 | 0.9 | WNW | 764.7 | 0 |
| 02/08/2021 | 03:15 | 13.4 | 0.9 | NW | 764.7 | 0 |
| 02/08/2021 | 03:30 | 13.4 | 1.3 | W | 764.7 | 0 |
| 02/08/2021 | 03:45 | 13.6 | 1.3 | W | 764.7 | 0 |
| 02/08/2021 | 04:00 | 13.3 | 0.4 | WNW | 764.7 | 0 |
| 02/08/2021 | 04:15 | 13.1 | 0.9 | WNW | 764.7 | 0 |
| 02/08/2021 | 04:30 | 13.1 | 0.9 | W | 764.8 | 0 |
| 02/08/2021 | 04:45 | 12.9 | 0 | W | 764.7 | 0 |
| 02/08/2021 | 05:00 | 12.4 | 0.4 | W | 764.7 | 0 |
| 02/08/2021 | 05:15 | 12 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 05:30 | 11.9 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 05:45 | 11.9 | 0.4 | NW | 764.8 | 0 |
| 02/08/2021 | 06:00 | 11.9 | 0.4 | NW | 764.7 | 0 |
| 02/08/2021 | 06:15 | 11.7 | 0.4 | NW | 764.8 | 0 |
| 02/08/2021 | 06:30 | 11.9 | 1.3 | W | 764.8 | 0 |
| 02/08/2021 | 06:45 | 12.3 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 07:00 | 12.7 | 0.4 | WNW | 764.9 | 0 |
| 02/08/2021 | 07:15 | 12.9 | 0.4 | WNW | 764.9 | 0 |
| 02/08/2021 | 07:30 | 13.2 | 0.4 | WNW | 764.8 | 0 |
| 02/08/2021 | 07:45 | 13.3 | 1.3 | W | 764.8 | 0 |
| 02/08/2021 | 08:00 | 13.6 | 1.3 | WNW | 764.8 | 0 |
| 02/08/2021 | 08:15 | 13.9 | 0.9 | WNW | 764.8 | 0 |
| 02/08/2021 | 08:30 | 14.2 | 0.9 | W | 764.8 | 0 |
| 02/08/2021 | 08:45 | 14.8 | 1.3 | W | 764.9 | 0 |
| 02/08/2021 | 09:00 | 15.7 | 0.4 | NW | 765 | 0 |
| 02/08/2021 | 09:15 | 16.4 | 0.4 | WSW | 765 | 0 |
| 02/08/2021 | 09:30 | 17.6 | 0.9 | NNW | 764.9 | 0 |
| 02/08/2021 | 09:45 | 17 | 1.3 | WNW | 764.9 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 02/08/2021 | 10:00 | 16.7 | 0 | --- | 764.9 | 0 |
| 02/08/2021 | 10:15 | 16.8 | 0 | --- | 764.9 | 0 |
| 02/08/2021 | 10:30 | 17.1 | 0.4 | WNW | 765 | 0 |
| 02/08/2021 | 10:45 | 17.1 | 0.9 | WNW | 765 | 0 |
| 02/08/2021 | 11:00 | 17.3 | 0.4 | NW | 765 | 0 |
| 02/08/2021 | 11:15 | 17.8 | 0.4 | NW | 764.7 | 0 |
| 02/08/2021 | 11:30 | 18.3 | 1.3 | WNW | 764.8 | 0 |
| 02/08/2021 | 11:45 | 17.9 | 1.3 | WNW | 764.8 | 0 |
| 02/08/2021 | 12:00 | 18.2 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 12:15 | 18.6 | 0.9 | W | 764.8 | 0 |
| 02/08/2021 | 12:30 | 19.1 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 12:45 | 19.1 | 0.9 | W | 764.8 | 0 |
| 02/08/2021 | 13:00 | 19 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 13:15 | 18.7 | 0.9 | W | 764.7 | 0 |
| 02/08/2021 | 13:30 | 18.7 | 0.9 | WNW | 764.9 | 0 |
| 02/08/2021 | 13:45 | 18.9 | 0.4 | WNW | 764.8 | 0 |
| 02/08/2021 | 14:00 | 19.2 | 0.9 | W | 764.9 | 0 |
| 02/08/2021 | 14:15 | 19.4 | 0.4 | W | 764.8 | 0 |
| 02/08/2021 | 14:30 | 19.3 | 0.4 | NNW | 764.7 | 0 |
| 02/08/2021 | 14:45 | 19.1 | 0.4 | NW | 764.6 | 0 |
| 02/08/2021 | 15:00 | 19.1 | 0.4 | NW | 764.6 | 0 |
| 02/08/2021 | 15:15 | 19.1 | 0.4 | NW | 764.5 | 0 |
| 02/08/2021 | 15:30 | 18.8 | 0.4 | NW | 764.5 | 0 |
| 02/08/2021 | 15:45 | 18.8 | 0.4 | ESE | 764.4 | 0 |
| 02/08/2021 | 16:00 | 19.3 | 0.9 | NNW | 764.4 | 0 |
| 02/08/2021 | 16:15 | 18.9 | 0.4 | WNW | 764.4 | 0 |
| 02/08/2021 | 16:30 | 18.6 | 0.9 | WNW | 764.3 | 0 |
| 02/08/2021 | 16:45 | 18.4 | 0.4 | WNW | 764.3 | 0 |
| 02/08/2021 | 17:00 | 18 | 0.4 | WNW | 764.3 | 0 |
| 02/08/2021 | 17:15 | 17.7 | 0.4 | WNW | 764.2 | 0 |
| 02/08/2021 | 17:30 | 17.4 | 0.4 | NW | 764.2 | 0 |
| 02/08/2021 | 17:45 | 17 | 0.4 | NNW | 764.2 | 0 |
| 02/08/2021 | 18:00 | 16.6 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 18:15 | 16.4 | 0 | --- | 764.1 | 0 |
| 02/08/2021 | 18:30 | 16.1 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 18:45 | 15.7 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 19:00 | 15.4 | 0 | --- | 764.1 | 0 |
| 02/08/2021 | 19:15 | 15.3 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 19:30 | 15.3 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 19:45 | 15.4 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 20:00 | 15.4 | 0 | --- | 764.3 | 0 |
| 02/08/2021 | 20:15 | 15.3 | 0 | --- | 764.2 | 0 |
| 02/08/2021 | 20:30 | 15.1 | 0 | --- | 764.3 | 0 |
| 02/08/2021 | 20:45 | 14.6 | 0 | --- | 764.3 | 0 |
| 02/08/2021 | 21:00 | 13.9 | 0 | --- | 764.4 | 0 |
| 02/08/2021 | 21:15 | 13.6 | 0 | --- | 764.6 | 0 |
| 02/08/2021 | 21:30 | 13.4 | 0 | --- | 764.6 | 0 |
| 02/08/2021 | 21:45 | 13.4 | 0 | W | 764.7 | 0 |

| Date | Time | Temp Out | Wind Speed | Wind Dir | Bar | Rain |
|------------|-------|-------------|---------------|-------------|-------|------|
| 02/08/2021 | 22:00 | 13.5 | 0 | --- | 764.8 | 0 |
| 02/08/2021 | 22:15 | 13.1 | 0 | WNW | 764.6 | 0 |
| 02/08/2021 | 22:30 | 12.4 | 0 | --- | 764.5 | 0 |
| 02/08/2021 | 22:45 | 11.8 | 0 | --- | 764.7 | 0 |
| 02/08/2021 | 23:00 | 11.4 | 0 | --- | 764.6 | 0 |
| 02/08/2021 | 23:15 | 11.2 | 0 | --- | 764.6 | 0 |
| 02/08/2021 | 23:30 | 11.1 | 0 | --- | 764.4 | 0 |
| 02/08/2021 | 23:45 | 10.9 | 0 | --- | 764.4 | 0 |
| 03/08/2021 | 00:00 | 10.9 | 0 | --- | 764.4 | 0 |
| 03/08/2021 | 00:15 | 11.2 | 0 | --- | 764.5 | 0 |
| 03/08/2021 | 00:30 | 11.2 | 0 | --- | 764.5 | 0 |
| 03/08/2021 | 00:45 | 11.2 | 0 | --- | 764.4 | 0 |
| 03/08/2021 | 01:00 | 11.2 | 0 | --- | 764.3 | 0 |
| 03/08/2021 | 01:15 | 11 | 0 | --- | 764.4 | 0 |
| 03/08/2021 | 01:30 | 10.7 | 0 | --- | 764.2 | 0 |
| 03/08/2021 | 01:45 | 10.4 | 0 | --- | 764.2 | 0 |
| 03/08/2021 | 02:00 | 10.1 | 0 | --- | 764.2 | 0 |
| 03/08/2021 | 02:15 | 9.7 | 0 | --- | 764.1 | 0 |
| 03/08/2021 | 02:30 | 9.3 | 0 | --- | 764.1 | 0 |
| 03/08/2021 | 02:45 | 9 | 0 | --- | 764 | 0 |
| 03/08/2021 | 03:00 | 8.9 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 03:15 | 8.8 | 0 | --- | 764 | 0 |
| 03/08/2021 | 03:30 | 8.6 | 0 | --- | 764 | 0 |
| 03/08/2021 | 03:45 | 8.4 | 0 | --- | 764.1 | 0 |
| 03/08/2021 | 04:00 | 8.2 | 0 | --- | 764 | 0 |
| 03/08/2021 | 04:15 | 8.1 | 0 | --- | 764 | 0 |
| 03/08/2021 | 04:30 | 7.9 | 0 | --- | 764 | 0 |
| 03/08/2021 | 04:45 | 7.8 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 05:00 | 7.8 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 05:15 | 7.9 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 05:30 | 7.9 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 05:45 | 7.8 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 06:00 | 7.8 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 06:15 | 7.7 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 06:30 | 7.7 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 06:45 | 7.9 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 07:00 | 8.1 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 07:15 | 8.6 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 07:30 | 9.2 | 0 | --- | 763.8 | 0 |
| 03/08/2021 | 07:45 | 9.8 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 08:00 | 10.6 | 0 | --- | 764 | 0 |
| 03/08/2021 | 08:15 | 11.4 | 0 | --- | 764 | 0 |
| 03/08/2021 | 08:30 | 12.3 | 0 | --- | 764.1 | 0 |
| 03/08/2021 | 08:45 | 13.3 | 0 | NW | 764.1 | 0 |
| 03/08/2021 | 09:00 | 14 | 0 | --- | 763.9 | 0 |
| 03/08/2021 | 09:15 | 14.7 | 0 | NW | 764 | 0 |
| 03/08/2021 | 09:30 | 15.7 | 0 | NNW | 764 | 0 |
| 03/08/2021 | 09:45 | 15.9 | 0 | WNW | 764.1 | 0 |

Statistical Analysis

Table 1.2 – Statistical Analysis of Data Set (including rain affected periods)

| With Rain | Position 1 Linden Avenue | | Position 2 Wern | | Position 3 George Street | | Position 4 Maes-y-waun | | Position 5 Hadley Close | | Position 6 Station Av. (Mondelez) | | Position 7 Canalwood Ind Est | | Position 8 Llwyn-y-cil Road | | Position 9 Castle Gates | |
|---------------------------|-----------------------------|-----------|--------------------|-----------|-----------------------------|-----------|---------------------------|-----------|----------------------------|-----------|--------------------------------------|-----------|---------------------------------|-----------|--------------------------------|-----------|----------------------------|-----------|
| | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night |
| Total number of values | 401 | 192 | 451 | 224 | 373 | 192 | 450 | 224 | 423 | 192 | 411 | 192 | 459 | 224 | 442 | 224 | 376 | 176 |
| Number of excluded values | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of binned values | 401 | 192 | 451 | 224 | 373 | 192 | 450 | 224 | 423 | 192 | 411 | 192 | 459 | 224 | 442 | 224 | 376 | 176 |
| Minimum | 31 | 28 | 36 | 31 | 27 | 24 | 42 | 41 | 33 | 31 | 43 | 43 | 42 | 46 | 34 | 33 | 30 | 30 |
| 25% Percentile | 36 | 31.25 | 45 | 38 | 33 | 29 | 47 | 45 | 39 | 38 | 45 | 45 | 49 | 49 | 38 | 37 | 36 | 34 |
| Median | 37 | 35 | 48 | 41 | 35 | 31 | 49 | 46 | 41 | 40 | 46 | 45 | 51 | 51 | 40 | 38 | 38 | 36 |
| 75% Percentile | 41 | 38 | 51 | 45 | 37 | 34 | 51 | 48 | 44 | 42 | 47 | 46 | 54 | 53 | 41 | 40 | 41 | 38 |
| Maximum | 48 | 51 | 58 | 52 | 43 | 40 | 58 | 53 | 50 | 53 | 52 | 57 | 56 | 55 | 51 | 60 | 46 | 54 |
| Most Commonplace | 36 | 30 | 45 | 38 | 33 | 30 | 49 | 47 | 41 | 39 | 45 | 45 | 54 | 49 | 39 | 39 | 38 | 34 |
| Mean | 38.08 | 35.13 | 47.49 | 41.34 | 34.98 | 31.83 | 49.32 | 46.46 | 41.15 | 39.77 | 46.09 | 45.74 | 51.27 | 50.87 | 39.97 | 39.10 | 38.23 | 37.40 |
| Std. Deviation | 3.13 | 4.10 | 4.16 | 4.77 | 3.22 | 3.61 | 2.63 | 2.34 | 3.35 | 2.90 | 1.68 | 1.65 | 2.58 | 2.44 | 2.53 | 4.23 | 3.35 | 4.88 |
| Std. Error of Mean | 0.16 | 0.30 | 0.20 | 0.32 | 0.17 | 0.26 | 0.12 | 0.16 | 0.16 | 0.21 | 0.08 | 0.12 | 0.12 | 0.16 | 0.12 | 0.28 | 0.17 | 0.37 |
| Lower 95% CI of mean | 37.78 | 34.54 | 47.11 | 40.72 | 34.65 | 31.32 | 49.08 | 46.15 | 40.83 | 39.36 | 45.92 | 45.50 | 51.03 | 50.55 | 39.74 | 38.55 | 37.89 | 36.67 |
| Upper 95% CI of mean | 38.39 | 35.71 | 47.88 | 41.97 | 35.31 | 32.35 | 49.56 | 46.77 | 41.47 | 40.18 | 46.25 | 45.97 | 51.51 | 51.19 | 40.21 | 39.66 | 38.57 | 38.12 |

Table 1.3 - Statistical Analysis of Data Set (excluding rain affected periods)

| Without Rain | Position 1 Linden Avenue | | Position 2 Wern | | Position 3 George Street | | Position 4 Maes-y-waun | | Position 5 Hadley Close | | Position 6 Station Av. (Mondelez) | | Position 7 Canalwood Ind Est | | Position 8 Llwyn-y-cil Road | | Position 9 Castle Gates | |
|---------------------------|-----------------------------|-----------|--------------------|-----------|-----------------------------|-----------|---------------------------|-----------|----------------------------|-----------|--------------------------------------|-----------|---------------------------------|-----------|--------------------------------|-----------|----------------------------|-----------|
| | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night | Day | Night |
| Total number of values | 387 | 176 | 437 | 208 | 359 | 176 | 418 | 208 | 410 | 176 | 397 | 176 | 445 | 208 | 429 | 208 | 363 | 160 |
| Number of excluded values | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of binned values | 387 | 176 | 437 | 208 | 359 | 176 | 418 | 208 | 410 | 176 | 397 | 176 | 445 | 208 | 429 | 208 | 363 | 160 |
| Minimum | 31 | 28 | 36 | 31 | 27 | 24 | 42 | 41 | 33 | 31 | 43 | 43 | 42 | 46 | 34 | 33 | 30 | 30 |
| 25% Percentile | 36 | 31 | 45 | 38 | 33 | 29 | 47 | 45 | 39 | 38 | 45 | 45 | 49 | 49 | 38 | 36 | 36 | 34 |
| Median | 37 | 34 | 48 | 41 | 35 | 31 | 49 | 46 | 41 | 40 | 46 | 45 | 51 | 51 | 40 | 38 | 38 | 36 |
| 75% Percentile | 41 | 38 | 50 | 45 | 37 | 34 | 51 | 48 | 44 | 41.75 | 47 | 46 | 54 | 53 | 41 | 39 | 41 | 38 |
| Maximum | 48 | 42 | 58 | 52 | 43 | 40 | 58 | 52 | 50 | 44 | 51 | 50 | 56 | 55 | 51 | 51 | 46 | 48 |
| Most Commonplace | 36 | 30 | 45 | 38 | 33 | 30 | 49 | 47 | 42 | 39 | 45 | 45 | 54 | 49 | 39 | 39 | 38 | 34 |
| Mean | 38.05 | 34.76 | 47.44 | 41.36 | 34.99 | 31.88 | 49.31 | 46.44 | 41.18 | 39.62 | 46.09 | 45.47 | 51.34 | 50.92 | 39.91 | 38.37 | 38.19 | 36.58 |
| Std. Deviation | 3.13 | 3.76 | 4.15 | 4.80 | 3.18 | 3.58 | 2.68 | 2.30 | 3.29 | 2.56 | 1.67 | 1.05 | 2.58 | 2.51 | 2.48 | 2.86 | 3.38 | 4.06 |
| Std. Error of Mean | 0.16 | 0.28 | 0.20 | 0.33 | 0.17 | 0.27 | 0.13 | 0.16 | 0.16 | 0.19 | 0.08 | 0.08 | 0.12 | 0.17 | 0.12 | 0.20 | 0.18 | 0.32 |
| Lower 95% CI of mean | 37.74 | 34.20 | 47.05 | 40.70 | 34.66 | 31.35 | 49.06 | 46.13 | 40.86 | 39.24 | 45.93 | 45.32 | 51.10 | 50.58 | 39.67 | 37.98 | 37.84 | 35.94 |
| Upper 95% CI of mean | 38.37 | 35.32 | 47.83 | 42.01 | 35.32 | 32.41 | 49.57 | 46.76 | 41.49 | 40.00 | 46.26 | 45.63 | 51.58 | 51.27 | 40.14 | 38.76 | 38.54 | 37.21 |

1.1.6 Full details of the baseline noise survey results are set out at **Section 1.4.**

1.2 Instrument and Fieldwork Details: Noise Survey April 2022

- 1.2.1 The noise measurements were undertaken at locations 10 and 11 as detailed in **ES Chapter 5.0 (Noise and Vibration)** and shown on **ES Figure 5.1**.
- 1.2.2 The monitoring was carried out over approximately five days under suitable weather conditions.

Instrumentation

Table 1.4 – Instrumentation (2022 Surveys)

| Manufacturer | Description | Type | Calibration Due Date | Serial No. |
|--------------|--------------------------|----------|----------------------|------------|
| Cirrus | Real Time Sound Analyser | 171A | June 2022 | G061253 |
| Cirrus | Real Time Sound Analyser | 1710 | May 2022 | G066350 |
| Cirrus | Electronic Calibrator | CR: 513A | May 2022 | 031523 |

- 1.2.1 The noise meters used during the survey were precision grade type 1 meters to IEC 651 standard and accuracy.

Calibration Setting: 94dB

Meter Setting: Fast Response

Fieldwork Details

Date of Test: Friday 01 April – Tuesday 05 April 2022

Time Period: Approximately 96 hours

Calibration: Before and after: 94dB

Meteorological Conditions

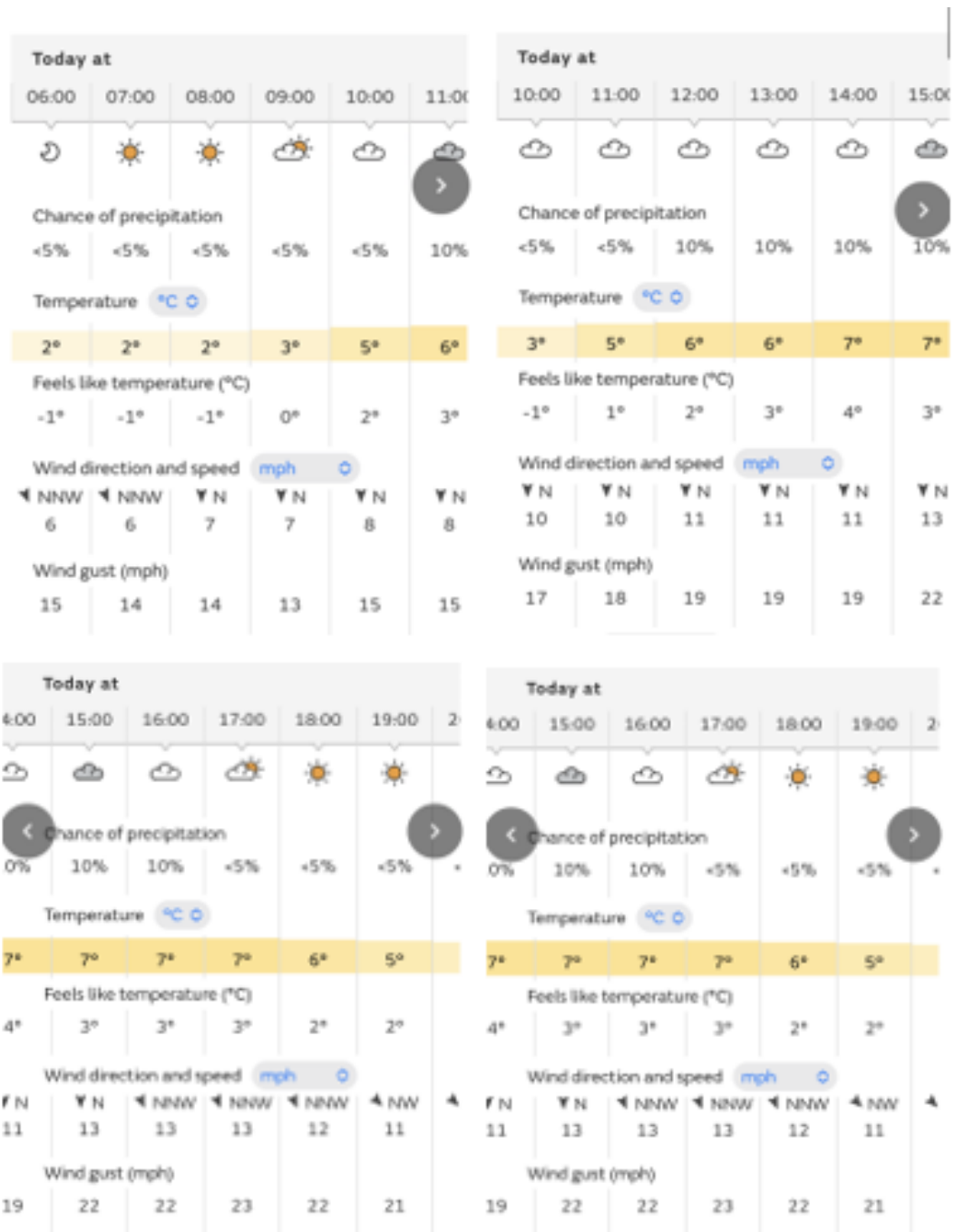
- 1.2.2 Weather conditions were recorded during the baseline survey and detailed below:
- 1.2.3 The climatic conditions were suitable for monitoring environmental noise levels in accordance with advice given in BS 7445:2003 'Description and measurement of environmental noise'.



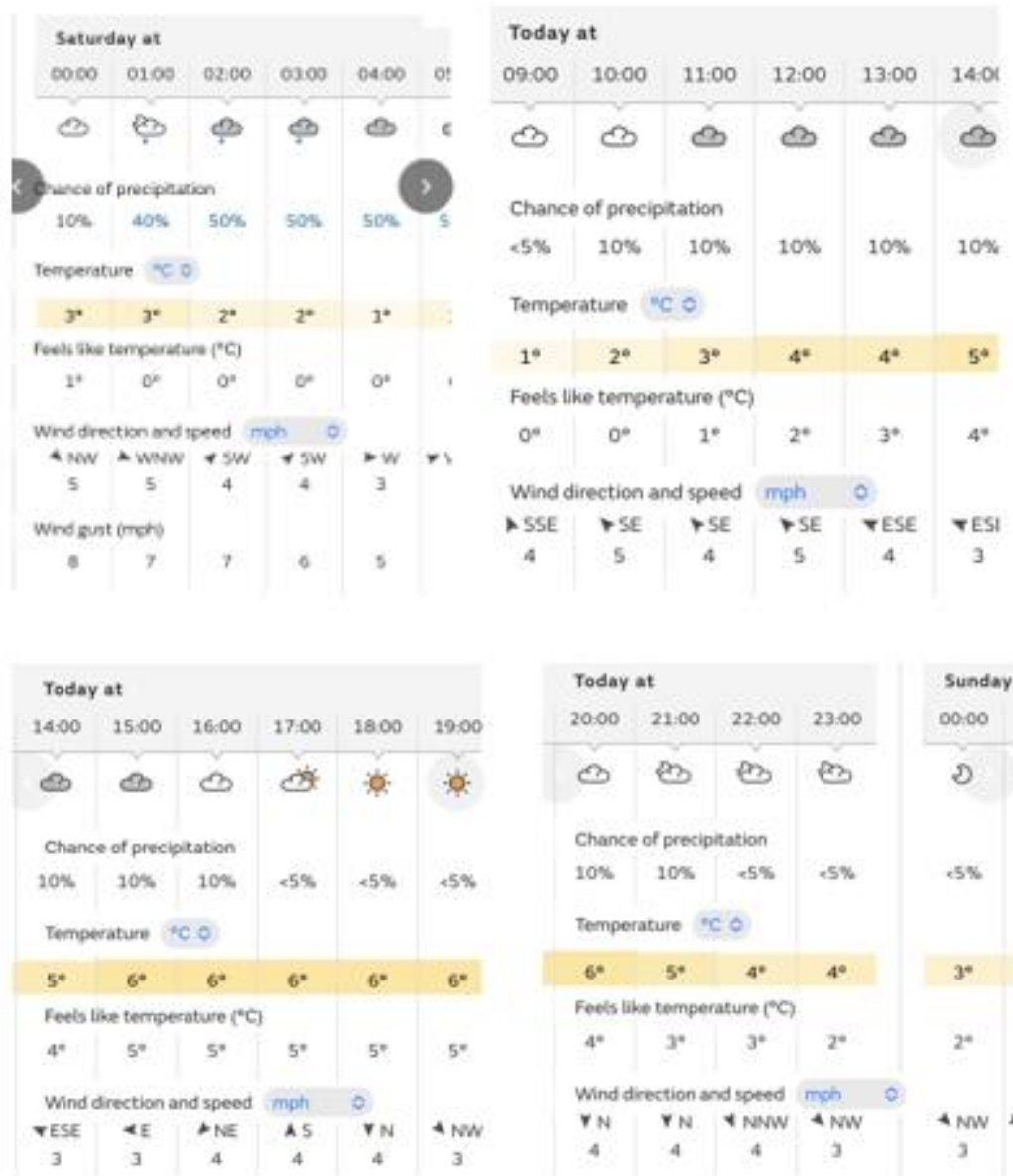
-
- 1.2.4 Wind speeds are recorded at 10m height above ground level and therefore significantly higher than at the monitoring positions. Sample readings with handheld anemometer at monitoring positions indicate around 5-6m/s higher than shown below.



Friday 01 April 2022



Saturday 02 April 2022

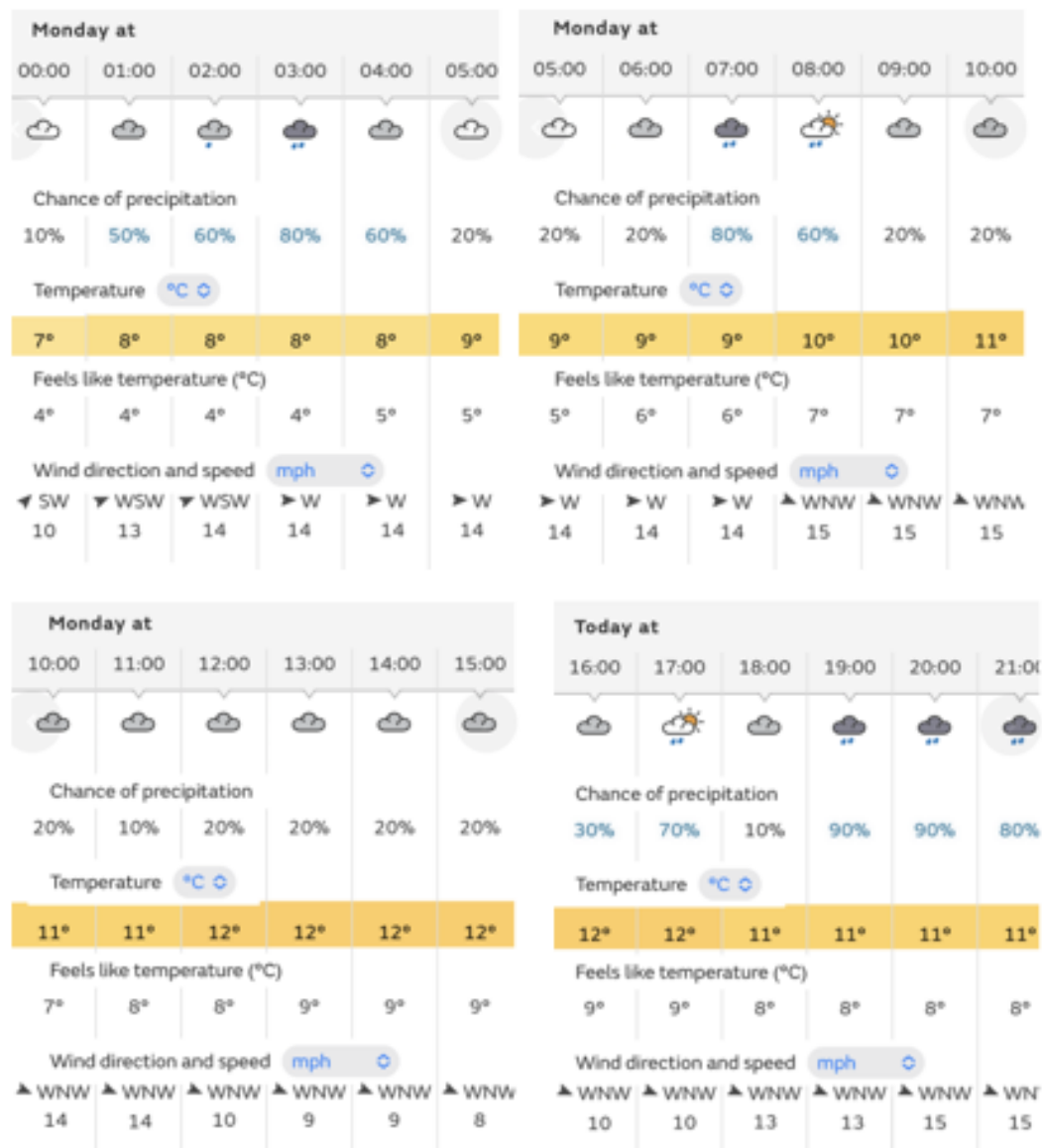


Sunday 03 April 2022

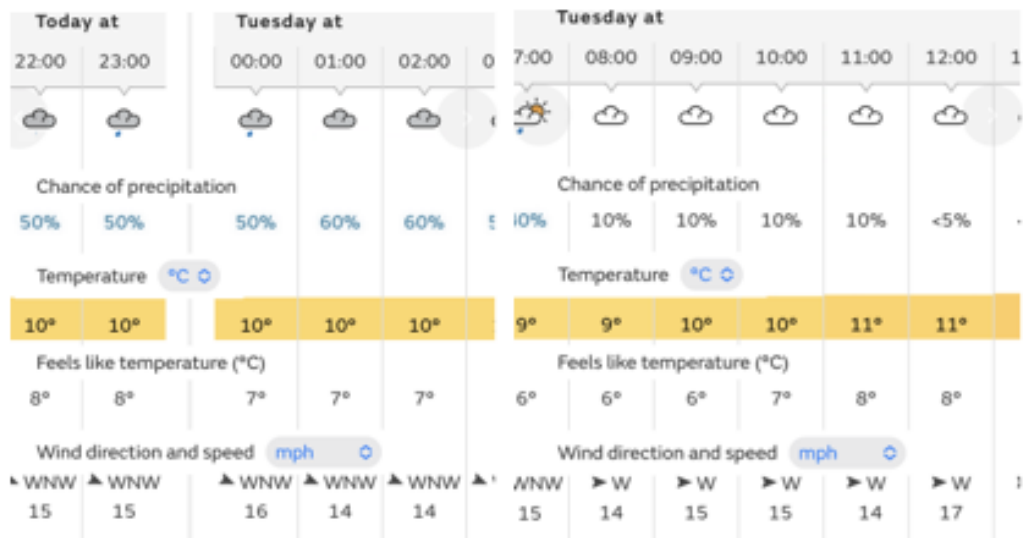
| Sunday at | | | | | | Today at | | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 |
| | | | | | | | | | | | |
| Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation |
| <5% | <5% | <5% | <5% | <5% | <5% | <5% | <5% | 10% | 10% | 10% | 10% |
| Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature |
| 3° | 2° | 2° | 2° | 2° | 2° | 5° | 7° | 7° | 8° | 9° | 8° |
| Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) |
| 1° | 1° | 0° | 0° | 0° | -1° | 3° | 4° | 4° | 6° | 6° | 6° |
| Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed |
| WNW 3 | WNW 4 | W 4 | W 4 | W 5 | W 6 | WNW 7 | NW 10 | WNW 10 | NW 8 | WNW 10 | WN 10 |

| Today at | | | | | | Today at | | | | Monda |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 | 00:00 |
| | | | | | | | | | | |
| Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation | Chance of precipitation |
| 10% | 10% | <5% | 10% | <5% | 10% | 10% | 10% | 10% | 10% | 20% |
| Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature | Temperature |
| 9° | 8° | 8° | 8° | 8° | 7° | 7° | 6° | 6° | 7° | 7° |
| Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) | Feels like temperature (°C) |
| 6° | 6° | 6° | 6° | 6° | 5° | 4° | 3° | 3° | 3° | 3° |
| Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed | Wind direction and speed |
| WNW 10 | WNW 10 | WNW 10 | WNW 9 | WNW 9 | W 8 | WSW 8 | WSW 10 | WSW 10 | WSW 13 | WSW 15 |

Monday 04 April 2022



Tuesday 05 April 2022



Statistical Analysis

Table 1.5 – Statistical Analysis

| | Posn 10 (Day) | Posn 10 (Night) | Posn 11 (Day) | Posn 11 (Night) |
|---------------------------|---------------|-----------------|---------------|-----------------|
| Total number of values | 229 | 115 | 234 | 115 |
| Number of excluded values | 0 | 0 | 0 | 0 |
| Number of binned values | 229 | 115 | 234 | 115 |
| Minimum | 38 | 34 | 36 | 33 |
| 25% Percentile | 42 | 40 | 46 | 40 |
| Median | 43 | 43 | 50 | 43 |
| 75% Percentile | 45 | 45 | 52 | 47 |
| Maximum | 50 | 49 | 60 | 54 |
| Most common place | 43 | 43 | 51 | 42 |
| Mean | 43.4 | 42.7 | 49.2 | 43.2 |
| Std. Deviation | 2.3 | 3.5 | 4.1 | 4.1 |
| Std. Error of Mean | 0.2 | 0.3 | 0.3 | 0.4 |
| Lower 95% CI of mean | 43.1 | 42.0 | 48.7 | 42.5 |
| Upper 95% CI of mean | 43.7 | 43.3 | 49.8 | 44.0 |

1.2.5 Full details of the baseline noise survey results are set out at **Section 1.5**.

1.3 Photographs of Monitoring Positions

Position 1 – Linden Avenue



Position 2 – No. 3 Wern



Position 3 – 23 George Street (near West View)



Position 4 – Chirk Court (adjacent Maes y Wern)



Position 5 – No. 2 Hadley Close (adjacent Shepherds Lane)



Position 6 – Tall Trees, Station Avenue (adjacent Mondelez entrance)



Position 6A – Tall Trees, Station Avenue (weather station)



Position 7 – Canal Wood Industrial Estate



Position 8 – Manatton, Llwyn-y-cil Road



Position 9 – New Hall Farm (Castle Gates)



Position 10 – Afon Bradley Farm



Position 11 – Opposite Lodge Farm Cottage



1.4 Baseline Noise Survey Results (July – August 2021)

Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 1

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------------|--------------|
| 10:15 | 15:00 | 45.8 | 36.1 | 79.1 | |
| 10:30 | 15:00 | 45.6 | 35.8 | 66.0 | |
| 10:45 | 15:00 | 47.7 | 37.2 | 65.7 | |
| 11:00 | 15:00 | 41.8 | 36.7 | 59.6 | |
| 11:15 | 15:00 | 41.1 | 36.5 | 69.7 | |
| 11:30 | 15:00 | 40.8 | 36.2 | 60.0 | |
| 11:45 | 15:00 | 49.8 | 36.4 | 74.6 | |
| 12:00 | 15:00 | 47.6 | 36.2 | 78.0 | |
| 12:15 | 15:00 | 45.8 | 36.1 | 66.9 | |
| 12:30 | 15:00 | 45.5 | 35.0 | 67.3 | Rain |
| 12:45 | 15:00 | 45.1 | 40.5 | 72.5 | |
| 13:00 | 15:00 | 41.8 | 36.9 | 56.5 | |
| 13:15 | 15:00 | 53.3 | 43.9 | 63.4 | |
| 13:30 | 15:00 | 54.1 | 42.0 | 62.1 | |
| 13:45 | 15:00 | 45.8 | 41.0 | 56.8 | Rain |
| 14:00 | 15:00 | 44.8 | 39.2 | 70.5 | |
| 14:15 | 15:00 | 41.9 | 36.3 | 67.4 | |
| 14:30 | 15:00 | 40.9 | 37.4 | 63.0 | |
| 14:45 | 15:00 | 41.9 | 37.1 | 69.9 | Rain |
| Log Average 1015-1500 | | 47.3 | 38.5 | 57-79 | |
| Average 1015-1500 | | 45.3 | 37.7 | 57-79 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 2

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmaz (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------------|--------------|
| 15:00 | 15:00 | 41.0 | 36.2 | 60.6 | Rain |
| 15:15 | 15:00 | 42.2 | 35.4 | 59.0 | |
| 15:30 | 15:00 | 41.9 | 35.5 | 66.9 | Rain |
| 15:45 | 15:00 | 38.3 | 35.6 | 64.3 | |
| 16:00 | 15:00 | 38.7 | 34.3 | 53.6 | |
| 16:15 | 15:00 | 43.4 | 34.4 | 64.3 | |
| 16:30 | 15:00 | 47.0 | 36.6 | 68.8 | |
| 16:45 | 15:00 | 45.7 | 37.6 | 69.3 | |
| 17:00 | 15:00 | 41.1 | 34.4 | 60.0 | |
| 17:15 | 15:00 | 40.6 | 33.9 | 60.3 | Rain |
| 17:30 | 15:00 | 37.7 | 34.1 | 55.6 | |
| 17:45 | 15:00 | 38.9 | 34.5 | 57.4 | |
| 18:00 | 15:00 | 38.4 | 35.8 | 58.6 | |
| 18:15 | 15:00 | 39.0 | 36.2 | 54.2 | |
| 18:30 | 15:00 | 44.3 | 35.9 | 67.5 | |
| 18:45 | 15:00 | 40.3 | 36.2 | 63.1 | |
| 19:00 | 15:00 | 41.9 | 37.2 | 66.1 | |
| 19:15 | 15:00 | 40.5 | 37.2 | 62.1 | |
| 19:30 | 15:00 | 38.6 | 34.5 | 54.7 | |
| 19:45 | 15:00 | 39.0 | 34.7 | 54.2 | |
| 20:00 | 15:00 | 41.3 | 36.1 | 54.8 | |
| 20:15 | 15:00 | 42.2 | 38.2 | 65.9 | |
| 20:30 | 15:00 | 45.2 | 36.8 | 62.4 | |
| 20:45 | 15:00 | 42.5 | 37.4 | 61.3 | |
| 21:00 | 15:00 | 60.4 | 40.0 | 69.3 | |
| 21:15 | 15:00 | 59.9 | 41.1 | 68.4 | Rain |
| 21:30 | 15:00 | 39.9 | 35.8 | 53.6 | Rain |
| 21:45 | 15:00 | 37.0 | 33.9 | 53.8 | |
| 22:00 | 15:00 | 34.5 | 32.6 | 52.5 | |
| 22:15 | 15:00 | 35.5 | 32.7 | 50.1 | |
| 22:30 | 15:00 | 36.3 | 34.0 | 48.9 | |
| 22:45 | 15:00 | 37.3 | 33.6 | 47.5 | |
| Log Average 1500-2300 | | 48.9 | 36.1 | 48-69 | |
| Average 1500-2300 | | 41.6 | 35.7 | 48-69 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 3

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 35.9 | 34.2 | 53.1 | |
| 23:15 | 15:00 | 37.5 | 35.7 | 48.7 | |
| 23:30 | 15:00 | 39.8 | 36.2 | 51.1 | |
| 23:45 | 15:00 | 40.0 | 36.2 | 49.5 | |
| 00:00 | 15:00 | 39.7 | 38.8 | 47.4 | |
| 00:15 | 15:00 | 37.3 | 34.0 | 45.1 | |
| 00:30 | 15:00 | 37.6 | 33.5 | 49.5 | |
| 00:45 | 15:00 | 38.9 | 37.3 | 46.2 | |
| 01:00 | 15:00 | 37.7 | 35.0 | 47.1 | |
| 01:15 | 15:00 | 35.9 | 33.0 | 43.7 | |
| 01:30 | 15:00 | 35.7 | 32.7 | 43.5 | |
| 01:45 | 15:00 | 39.0 | 34.3 | 43.2 | |
| 02:00 | 15:00 | 39.3 | 36.7 | 45.2 | |
| 02:15 | 15:00 | 39.0 | 37.9 | 47.9 | |
| 02:30 | 15:00 | 40.2 | 37.9 | 47.5 | |
| 02:45 | 15:00 | 40.1 | 38.0 | 50.6 | Rain |
| 03:00 | 15:00 | 39.7 | 38.3 | 48.9 | Rain |
| 03:15 | 15:00 | 38.2 | 35.2 | 49.2 | |
| 03:30 | 15:00 | 35.7 | 33.3 | 46.5 | |
| 03:45 | 15:00 | 39.0 | 35.9 | 50.8 | |
| 04:00 | 15:00 | 38.7 | 35.5 | 49.4 | |
| 04:15 | 15:00 | 39.0 | 35.8 | 46.2 | |
| 04:30 | 15:00 | 39.2 | 35.5 | 52.3 | |
| 04:45 | 15:00 | 39.7 | 36.2 | 54.1 | |
| 05:00 | 15:00 | 41.1 | 37.8 | 50.4 | |
| 05:15 | 15:00 | 42.2 | 37.9 | 57.0 | |
| 05:30 | 15:00 | 43.2 | 40.5 | 53.0 | |
| 05:45 | 15:00 | 44.8 | 40.6 | 56.4 | |
| 06:00 | 15:00 | 45.9 | 40.2 | 66.5 | |
| 06:15 | 15:00 | 44.4 | 38.5 | 67.7 | |
| 06:30 | 15:00 | 44.6 | 39.4 | 58.6 | |
| 06:45 | 15:00 | 43.7 | 38.9 | 64.3 | |
| Log Average 2300-0700 | | 40.6 | 37.1 | 43-68 | |
| Average 2300-0700 | | 39.8 | 36.6 | 43-68 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 4

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 45.5 | 38.5 | 74.0 | |
| 07:15 | 15:00 | 45.8 | 39.0 | 63.6 | |
| 07:30 | 15:00 | 46.7 | 40.4 | 65.5 | |
| 07:45 | 15:00 | 45.8 | 41.7 | 63.5 | |
| 08:00 | 15:00 | 40.6 | 38.1 | 58.9 | |
| 08:15 | 15:00 | 42.6 | 36.6 | 58.0 | |
| 08:30 | 15:00 | 42.1 | 37.3 | 61.5 | |
| 08:45 | 15:00 | 40.2 | 38.5 | 59.3 | |
| 09:00 | 15:00 | 41.1 | 39.1 | 55.3 | |
| 09:15 | 15:00 | 43.5 | 40.2 | 61.1 | |
| 09:30 | 15:00 | 43.5 | 39.4 | 65.5 | |
| 09:45 | 15:00 | 43.2 | 41.8 | 56.2 | |
| 10:00 | 15:00 | 43.5 | 41.4 | 54.5 | |
| 10:15 | 15:00 | 43.6 | 40.8 | 58.5 | |
| 10:30 | 15:00 | 44.3 | 42.1 | 56.5 | |
| 10:45 | 15:00 | 45.9 | 42.3 | 60.3 | |
| 11:00 | 15:00 | 45.5 | 43.3 | 60.4 | |
| 11:15 | 15:00 | 44.0 | 41.1 | 64.4 | |
| 11:30 | 15:00 | 44.3 | 41.7 | 58.9 | |
| 11:45 | 15:00 | 46.0 | 41.9 | 64.1 | |
| 12:00 | 15:00 | 45.5 | 43.3 | 61.2 | Rain |
| 12:15 | 15:00 | 45.5 | 42.7 | 62.7 | |
| 12:30 | 15:00 | 42.6 | 40.5 | 55.0 | Rain |
| 12:45 | 15:00 | 46.1 | 43.0 | 70.0 | |
| 13:00 | 15:00 | 45.8 | 43.8 | 57.5 | |
| 13:15 | 15:00 | 44.1 | 41.8 | 53.1 | |
| 13:30 | 15:00 | 44.0 | 41.8 | 56.4 | |
| 13:45 | 15:00 | 44.9 | 42.5 | 52.0 | |
| 14:00 | 15:00 | 44.1 | 42.5 | 58.6 | Rain |
| 14:15 | 15:00 | 45.7 | 43.1 | 58.5 | |
| 14:30 | 15:00 | 45.5 | 42.4 | 63.3 | |
| 14:45 | 15:00 | 45.5 | 41.3 | 61.1 | |
| Log Average 0700-1500 | | 44.5 | 41.4 | 52-74 | |
| Average 0700-1500 | | 44.3 | 41.1 | 52-74 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 5

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 46.2 | 43.1 | 56.4 | |
| 15:15 | 15:00 | 46.2 | 44.4 | 59.7 | |
| 15:30 | 15:00 | 45.6 | 41.8 | 59.9 | |
| 15:45 | 15:00 | 49.4 | 43.8 | 67.2 | |
| 16:00 | 15:00 | 49.7 | 45.1 | 74.6 | |
| 16:15 | 15:00 | 45.3 | 43.4 | 60.0 | |
| 16:30 | 15:00 | 46.7 | 45.3 | 56.3 | |
| 16:45 | 15:00 | 49.8 | 47.2 | 68.5 | |
| 17:00 | 15:00 | 51.3 | 47.5 | 77.3 | |
| 17:15 | 15:00 | 47.3 | 44.0 | 55.8 | |
| 17:30 | 15:00 | 43.0 | 40.8 | 53.0 | Rain |
| 17:45 | 15:00 | 45.8 | 42.7 | 69.4 | |
| 18:00 | 15:00 | 45.3 | 43.3 | 64.5 | |
| 18:15 | 15:00 | 46.8 | 42.8 | 58.3 | |
| 18:30 | 15:00 | 46.4 | 43.9 | 59.7 | |
| 18:45 | 15:00 | 44.4 | 41.1 | 61.1 | |
| 19:00 | 15:00 | 44.0 | 40.7 | 56.4 | |
| 19:15 | 15:00 | 46.3 | 41.8 | 64.8 | |
| 19:30 | 15:00 | 44.2 | 40.4 | 60.1 | |
| 19:45 | 15:00 | 44.2 | 41.2 | 61.0 | |
| 20:00 | 15:00 | 43.4 | 39.1 | 61.7 | |
| 20:15 | 15:00 | 43.0 | 39.3 | 55.8 | |
| 20:30 | 15:00 | 45.1 | 42.7 | 59.3 | |
| 20:45 | 15:00 | 44.9 | 40.7 | 57.4 | Rain |
| 21:00 | 15:00 | 42.5 | 40.9 | 53.1 | Rain |
| 21:15 | 15:00 | 42.3 | 40.1 | 50.5 | |
| 21:30 | 15:00 | 46.5 | 39.8 | 70.0 | |
| 21:45 | 15:00 | 43.1 | 39.6 | 53.1 | |
| 22:00 | 15:00 | 42.9 | 39.1 | 54.7 | |
| 22:15 | 15:00 | 40.1 | 38.3 | 48.4 | |
| 22:30 | 15:00 | 38.6 | 35.1 | 49.6 | |
| 22:45 | 15:00 | 39.8 | 37.3 | 48.7 | |
| Log Average 1500-2300 | | 45.9 | 42.5 | 48-77 | |
| Average 1500-2300 | | 45.0 | 41.8 | 48-77 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 6

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 41.1 | 38.7 | 47.6 | Rain |
| 23:15 | 15:00 | 41.3 | 38.9 | 51.5 | |
| 23:30 | 15:00 | 40.0 | 37.1 | 46.4 | |
| 23:45 | 15:00 | 41.7 | 38.2 | 53.3 | |
| 00:00 | 15:00 | 42.6 | 39.7 | 58.0 | |
| 00:15 | 15:00 | 42.5 | 38.2 | 56.0 | |
| 00:30 | 15:00 | 41.2 | 38.1 | 58.4 | |
| 00:45 | 15:00 | 41.8 | 38.7 | 50.9 | |
| 01:00 | 15:00 | 43.3 | 37.3 | 54.4 | |
| 01:15 | 15:00 | 44.2 | 39.7 | 55.8 | |
| 01:30 | 15:00 | 42.2 | 39.0 | 51.1 | |
| 01:45 | 15:00 | 42.4 | 39.9 | 57.4 | |
| 02:00 | 15:00 | 45.2 | 40.1 | 58.8 | |
| 02:15 | 15:00 | 44.9 | 40.8 | 68.6 | |
| 02:30 | 15:00 | 43.4 | 39.9 | 55.1 | |
| 02:45 | 15:00 | 45.2 | 41.5 | 58.1 | |
| 03:00 | 15:00 | 44.4 | 40.4 | 56.9 | |
| 03:15 | 15:00 | 43.9 | 41.1 | 55.2 | |
| 03:30 | 15:00 | 47.1 | 41.0 | 80.1 | |
| 03:45 | 15:00 | 44.1 | 39.9 | 58.6 | |
| 04:00 | 15:00 | 42.2 | 40.1 | 51.9 | |
| 04:15 | 15:00 | 41.7 | 39.4 | 47.8 | |
| 04:30 | 15:00 | 42.4 | 39.5 | 51.7 | |
| 04:45 | 15:00 | 40.3 | 37.5 | 48.1 | |
| 05:00 | 15:00 | 42.9 | 40.0 | 53.8 | |
| 05:15 | 15:00 | 44.9 | 39.2 | 58.6 | |
| 05:30 | 15:00 | 45.5 | 40.7 | 57.5 | |
| 05:45 | 15:00 | 45.1 | 41.3 | 61.5 | |
| 06:00 | 15:00 | 46.1 | 41.8 | 56.7 | |
| 06:15 | 15:00 | 45.3 | 40.9 | 58.2 | |
| 06:30 | 15:00 | 45.8 | 40.4 | 64.1 | |
| 06:45 | 15:00 | 46.6 | 42.1 | 66.4 | |
| Log Average 2300-0700 | | 43.8 | 39.9 | 46-80 | |
| Average 2300-0700 | | 43.5 | 39.7 | 46-80 | |
| Average 0700-2300 | | 45.2 | 42.0 | 48-77 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 7

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 46.6 | 41.7 | 72.1 | |
| 07:15 | 15:00 | 46.1 | 42.5 | 59.7 | |
| 07:30 | 15:00 | 46.7 | 44.8 | 59.6 | |
| 07:45 | 15:00 | 48.4 | 45.5 | 65.3 | |
| 08:00 | 15:00 | 46.6 | 44.1 | 58.1 | |
| 08:15 | 15:00 | 45.5 | 42.1 | 60.1 | |
| 08:30 | 15:00 | 45.6 | 41.8 | 65.1 | |
| 08:45 | 15:00 | 45.0 | 41.5 | 53.3 | |
| 09:00 | 15:00 | 46.1 | 41.5 | 58.7 | |
| 09:15 | 15:00 | 45.9 | 41.9 | 57.7 | |
| 09:30 | 15:00 | 45.8 | 42.1 | 58.8 | |
| 09:45 | 15:00 | 48.1 | 43.8 | 63.2 | |
| 10:00 | 15:00 | 46.8 | 42.3 | 57.5 | |
| 10:15 | 15:00 | 46.9 | 42.3 | 65.9 | |
| 10:30 | 15:00 | 46.2 | 41.7 | 63.4 | |
| 10:45 | 15:00 | 47.2 | 40.5 | 74.6 | |
| 11:00 | 15:00 | 47.2 | 40.4 | 69.1 | |
| 11:15 | 15:00 | 46.9 | 42.8 | 71.2 | |
| 11:30 | 15:00 | 45.5 | 41.8 | 70.7 | |
| 11:45 | 15:00 | 45.2 | 42.6 | 56.9 | |
| 12:00 | 15:00 | 45.4 | 41.3 | 57.1 | |
| 12:15 | 15:00 | 45.7 | 41.6 | 63.2 | |
| 12:30 | 15:00 | 44.4 | 40.9 | 58.0 | |
| 12:45 | 15:00 | 46.2 | 41.4 | 66.9 | |
| 13:00 | 15:00 | 46.1 | 44.3 | 62.3 | |
| 13:15 | 15:00 | 44.3 | 42.1 | 65.5 | |
| 13:30 | 15:00 | 43.8 | 39.8 | 68.4 | |
| 13:45 | 15:00 | 43.9 | 39.3 | 62.0 | |
| 14:00 | 15:00 | 45.3 | 40.6 | 60.1 | |
| 14:15 | 15:00 | 51.2 | 41.7 | 71.2 | |
| 14:30 | 15:00 | 47.9 | 45.5 | 67.6 | |
| 14:45 | 15:00 | 49.9 | 43.8 | 68.5 | |
| Log Average 0700-1500 | | 46.6 | 42.4 | 53-75 | |
| Average 0700-1500 | | 46.3 | 42.2 | 53-75 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 8

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 46.8 | 41.7 | 65.6 | |
| 15:15 | 15:00 | 51.2 | 41.0 | 73.4 | |
| 15:30 | 15:00 | 44.3 | 41.1 | 58.3 | |
| 15:45 | 15:00 | 45.6 | 43.1 | 59.4 | |
| 16:00 | 15:00 | 45.6 | 41.5 | 59.0 | |
| 16:15 | 15:00 | 50.0 | 41.6 | 77.6 | |
| 16:30 | 15:00 | 44.8 | 41.2 | 62.9 | |
| 16:45 | 15:00 | 44.4 | 41.3 | 57.4 | |
| 17:00 | 15:00 | 44.1 | 41.6 | 64.0 | |
| 17:15 | 15:00 | 43.3 | 41.6 | 59.3 | |
| 17:30 | 15:00 | 50.5 | 41.9 | 61.5 | |
| 17:45 | 15:00 | 48.3 | 40.9 | 67.0 | |
| 18:00 | 15:00 | 43.3 | 39.4 | 60.3 | |
| 18:15 | 15:00 | 45.5 | 38.6 | 76.1 | |
| 18:30 | 15:00 | 41.9 | 38.8 | 56.7 | |
| 18:45 | 15:00 | 42.1 | 38.3 | 59.6 | |
| 19:00 | 15:00 | 43.9 | 41.0 | 59.2 | |
| 19:15 | 15:00 | 42.4 | 36.4 | 59.2 | |
| 19:30 | 15:00 | 42.2 | 39.3 | 66.9 | |
| 19:45 | 15:00 | 45.2 | 40.1 | 67.3 | |
| 20:00 | 15:00 | 44.5 | 40.4 | 65.4 | |
| 20:15 | 15:00 | 41.8 | 36.7 | 64.2 | |
| 20:30 | 15:00 | 40.9 | 35.1 | 60.2 | |
| 20:45 | 15:00 | 35.2 | 34.0 | 48.2 | |
| 21:00 | 15:00 | 39.4 | 34.7 | 62.6 | |
| 21:15 | 15:00 | 37.0 | 35.3 | 61.3 | |
| 21:30 | 15:00 | 36.3 | 33.8 | 51.9 | |
| 21:45 | 15:00 | 38.0 | 36.1 | 47.2 | |
| 22:00 | 15:00 | 38.7 | 35.8 | 52.9 | |
| 22:15 | 15:00 | 38.0 | 34.9 | 53.6 | |
| 22:30 | 15:00 | 35.4 | 33.1 | 50.9 | |
| 22:45 | 15:00 | 37.8 | 34.0 | 48.3 | |
| Log Average 1500-2300 | | 44.7 | 39.4 | 47-78 | |
| Average 1500-2300 | | 42.8 | 38.6 | 47-78 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 1 - 2 Linden Avenue**
Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)
Calibration: 94dB

TABLE 9

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 40.9 | 38.6 | 52.0 | |
| 23:15 | 15:00 | 36.5 | 33.2 | 50.2 | |
| 23:30 | 15:00 | 38.7 | 32.6 | 63.7 | |
| 23:45 | 15:00 | 45.6 | 39.7 | 55.6 | |
| 00:00 | 15:00 | 41.7 | 33.9 | 55.1 | Rain |
| 00:15 | 15:00 | 33.9 | 31.9 | 42.9 | Rain |
| 00:30 | 15:00 | 40.6 | 34.6 | 48.9 | |
| 00:45 | 15:00 | 34.7 | 30.5 | 45.5 | Rain |
| 01:00 | 15:00 | 33.0 | 31.1 | 42.7 | |
| 01:15 | 15:00 | 36.3 | 34.1 | 43.4 | |
| 01:30 | 15:00 | 34.6 | 33.8 | 44.2 | |
| 01:45 | 15:00 | 35.2 | 33.9 | 44.3 | |
| 02:00 | 15:00 | 35.6 | 34.1 | 39.7 | |
| 02:15 | 15:00 | 35.5 | 34.2 | 45.9 | |
| 02:30 | 15:00 | 35.6 | 33.6 | 45.7 | |
| 02:45 | 15:00 | 44.8 | 38.9 | 51.6 | |
| 03:00 | 15:00 | 45.1 | 40.8 | 52.1 | Rain |
| 03:15 | 15:00 | 48.0 | 41.5 | 55.3 | Rain |
| 03:30 | 15:00 | 42.0 | 35.5 | 52.9 | Rain |
| 03:45 | 15:00 | 43.5 | 37.2 | 51.2 | Rain |
| 04:00 | 15:00 | 47.0 | 41.7 | 54.6 | Rain |
| 04:15 | 15:00 | 52.8 | 50.9 | 58.0 | Rain |
| 04:30 | 15:00 | 52.2 | 49.3 | 59.7 | Rain |
| 04:45 | 15:00 | 50.4 | 42.0 | 57.2 | Rain |
| 05:00 | 15:00 | 42.4 | 37.6 | 58.0 | |
| 05:15 | 15:00 | 40.9 | 37.2 | 54.1 | |
| 05:30 | 15:00 | 40.7 | 37.8 | 53.7 | Rain |
| 05:45 | 15:00 | 41.0 | 36.0 | 61.3 | |
| 06:00 | 15:00 | 42.4 | 37.6 | 60.8 | |
| 06:15 | 15:00 | 40.8 | 36.2 | 55.0 | |
| 06:30 | 15:00 | 43.9 | 40.8 | 60.3 | |
| 06:45 | 15:00 | 42.2 | 37.7 | 59.6 | Rain |
| Log Average 2300-0700 | | 44.5 | 40.6 | 40-64 | |
| Average 2300-0700 | | 41.2 | 37.1 | 40-64 | |
| Average 0700-2300 | | 48.0 | 42.1 | 47-78 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 10

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 44.7 | 37.4 | 64.2 | |
| 07:15 | 15:00 | 42.3 | 37.4 | 64.2 | |
| 07:30 | 15:00 | 43.7 | 39.4 | 59.9 | |
| 07:45 | 15:00 | 42.3 | 39.4 | 60.0 | |
| 08:00 | 15:00 | 44.5 | 38.6 | 71.5 | |
| 08:15 | 15:00 | 41.8 | 38.8 | 62.4 | |
| 08:30 | 15:00 | 42.7 | 39.8 | 57.7 | |
| 08:45 | 15:00 | 46.2 | 40.5 | 70.5 | |
| 09:00 | 15:00 | 48.0 | 40.3 | 78.5 | |
| 09:15 | 15:00 | 43.7 | 38.1 | 67.0 | |
| 09:30 | 15:00 | 44.2 | 38.5 | 67.3 | |
| 09:45 | 15:00 | 43.7 | 39.5 | 63.9 | |
| 10:00 | 15:00 | 42.6 | 40.1 | 59.7 | |
| 10:15 | 15:00 | 44.5 | 39.5 | 66.4 | |
| 10:30 | 15:00 | 42.5 | 39.9 | 58.3 | |
| 10:45 | 15:00 | 43.8 | 39.1 | 69.6 | |
| 11:00 | 15:00 | 44.2 | 39.1 | 66.4 | |
| 11:15 | 15:00 | 43.7 | 40.4 | 58.3 | |
| 11:30 | 15:00 | 43.3 | 38.3 | 60.5 | |
| 11:45 | 15:00 | 44.5 | 40.8 | 63.6 | |
| 12:00 | 15:00 | 44.2 | 40.2 | 62.8 | |
| 12:15 | 15:00 | 43.0 | 40.4 | 51.9 | |
| 12:30 | 15:00 | 43.6 | 39.8 | 60.2 | |
| 12:45 | 15:00 | 44.1 | 39.9 | 60.6 | |
| 13:00 | 15:00 | 45.8 | 39.9 | 67.7 | |
| 13:15 | 15:00 | 44.5 | 40.6 | 60.4 | |
| 13:30 | 15:00 | 44.6 | 40.9 | 56.5 | |
| 13:45 | 15:00 | 43.7 | 41.2 | 56.6 | |
| 14:00 | 15:00 | 44.9 | 38.6 | 61.8 | |
| 14:15 | 15:00 | 45.0 | 41.4 | 58.2 | |
| 14:30 | 15:00 | 44.6 | 41.6 | 61.0 | |
| 14:45 | 15:00 | 44.8 | 40.0 | 62.7 | |
| Log Average 0700-1500 | | 44.2 | 39.7 | 52-79 | |
| Average 0700-1500 | | 44.0 | 39.7 | 52-79 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 11

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 47.7 | 41.2 | 76.0 | |
| 15:15 | 15:00 | 44.5 | 40.2 | 63.1 | |
| 15:30 | 15:00 | 45.5 | 40.1 | 71.6 | |
| 15:45 | 15:00 | 44.2 | 42.1 | 61.0 | |
| 16:00 | 15:00 | 44.1 | 40.8 | 58.5 | |
| 16:15 | 15:00 | 44.4 | 41.8 | 67.4 | |
| 16:30 | 15:00 | 46.7 | 40.9 | 67.2 | |
| 16:45 | 15:00 | 45.4 | 42.2 | 57.5 | |
| 17:00 | 15:00 | 45.7 | 41.5 | 59.4 | |
| 17:15 | 15:00 | 45.8 | 40.0 | 59.2 | |
| 17:30 | 15:00 | 45.0 | 40.9 | 58.9 | |
| 17:45 | 15:00 | 44.3 | 40.2 | 62.6 | |
| 18:00 | 15:00 | 44.2 | 39.5 | 56.6 | |
| 18:15 | 15:00 | 43.2 | 38.8 | 56.7 | |
| 18:30 | 15:00 | 43.7 | 38.8 | 64.3 | |
| 18:45 | 15:00 | 42.5 | 37.3 | 59.3 | |
| 19:00 | 15:00 | 43.0 | 37.8 | 57.6 | |
| 19:15 | 15:00 | 39.8 | 35.4 | 58.7 | |
| 19:30 | 15:00 | 43.5 | 34.2 | 64.4 | |
| 19:45 | 15:00 | 41.2 | 36.4 | 60.7 | |
| 20:00 | 15:00 | 43.7 | 38.0 | 61.6 | |
| 20:15 | 15:00 | 41.4 | 36.3 | 57.1 | |
| 20:30 | 15:00 | 41.0 | 36.1 | 57.7 | |
| 20:45 | 15:00 | 40.1 | 36.4 | 56.1 | |
| 21:00 | 15:00 | 41.1 | 36.6 | 52.8 | |
| 21:15 | 15:00 | 40.0 | 38.6 | 49.9 | |
| 21:30 | 15:00 | 39.4 | 36.7 | 54.1 | |
| 21:45 | 15:00 | 42.4 | 37.9 | 64.3 | |
| 22:00 | 15:00 | 41.6 | 38.3 | 61.9 | |
| 22:15 | 15:00 | 41.9 | 36.9 | 56.4 | |
| 22:30 | 15:00 | 41.8 | 38.3 | 58.5 | |
| 22:45 | 15:00 | 44.2 | 39.1 | 57.9 | |
| Log Average 1500-2300 | | 43.6 | 39.2 | 50-76 | |
| Average 1500-2300 | | 43.2 | 38.7 | 50-76 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 1 - 2 Linden Avenue**
Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)
Calibration: 94dB

TABLE 12

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|---------------|--------------|
| 23:00 | 15:00 | 43.9 | 39.2 | 65.9 | |
| 23:15 | 15:00 | 42.5 | 39.6 | 56.3 | |
| 23:30 | 15:00 | 42.1 | 37.4 | 58.8 | |
| 23:45 | 15:00 | 39.2 | 35.3 | 55.6 | |
| 00:00 | 15:00 | 35.6 | 33.3 | 47.6 | |
| 00:15 | 15:00 | 35.4 | 32.8 | 45.9 | |
| 00:30 | 15:00 | 36.2 | 33.4 | 47.7 | |
| 00:45 | 15:00 | 35.5 | 32.2 | 46.7 | |
| 01:00 | 15:00 | 33.8 | 32.3 | 43.0 | |
| 01:15 | 15:00 | 33.7 | 30.9 | 43.8 | |
| 01:30 | 15:00 | 33.5 | 30.9 | 45.0 | |
| 01:45 | 15:00 | 33.3 | 30.8 | 46.5 | |
| 02:00 | 15:00 | 33.2 | 30.5 | 42.7 | |
| 02:15 | 15:00 | 34.4 | 31.2 | 47.1 | |
| 02:30 | 15:00 | 35.2 | 33.8 | 49.1 | |
| 02:45 | 15:00 | 35.3 | 31.8 | 50.5 | |
| 03:00 | 15:00 | 36.6 | 33.7 | 45.1 | |
| 03:15 | 15:00 | 35.6 | 32.6 | 42.4 | |
| 03:30 | 15:00 | 35.2 | 31.8 | 50.1 | |
| 03:45 | 15:00 | 35.4 | 31.4 | 50.0 | |
| 04:00 | 15:00 | 36.7 | 32.4 | 47.0 | |
| 04:15 | 15:00 | 36.2 | 33.0 | 46.6 | |
| 04:30 | 15:00 | 35.0 | 32.0 | 45.4 | |
| 04:45 | 15:00 | 37.8 | 33.5 | 57.5 | |
| 05:00 | 15:00 | 36.2 | 33.0 | 48.8 | |
| 05:15 | 15:00 | 36.0 | 32.4 | 47.1 | |
| 05:30 | 15:00 | 38.7 | 36.2 | 50.3 | |
| 05:45 | 15:00 | 41.8 | 35.8 | 59.2 | |
| 06:00 | 15:00 | 40.8 | 34.7 | 64.2 | |
| 06:15 | 15:00 | 40.6 | 35.6 | 56.6 | |
| 06:30 | 15:00 | 41.0 | 35.2 | 56.1 | |
| 06:45 | 15:00 | 42.2 | 35.6 | 62.2 | |
| Log Average 2300-0700 | | 38.3 | 34.2 | 42-66 | |
| Average 2300-0700 | | 37.1 | 33.6 | 42-66 | |
| Average 0700-2300 | | 43.9 | 39.5 | 50-79 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 13

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 41.9 | 36.6 | 64.9 | |
| 07:15 | 15:00 | 43.9 | 35.8 | 66.3 | |
| 07:30 | 15:00 | 44.9 | 37.1 | 76.4 | |
| 07:45 | 15:00 | 43.0 | 36.0 | 64.2 | |
| 08:00 | 15:00 | 40.5 | 35.3 | 63.4 | |
| 08:15 | 15:00 | 39.4 | 35.5 | 58.2 | |
| 08:30 | 15:00 | 43.0 | 34.1 | 66.6 | |
| 08:45 | 15:00 | 40.7 | 35.8 | 62.3 | |
| 09:00 | 15:00 | 41.0 | 35.6 | 62.1 | |
| 09:15 | 15:00 | 41.4 | 36.2 | 67.3 | |
| 09:30 | 15:00 | 39.3 | 35.0 | 55.3 | |
| 09:45 | 15:00 | 40.3 | 35.9 | 56.4 | |
| 10:00 | 15:00 | 42.0 | 36.5 | 67.2 | |
| 10:15 | 15:00 | 41.3 | 36.9 | 53.8 | |
| 10:30 | 15:00 | 40.2 | 36.9 | 58.2 | |
| 10:45 | 15:00 | 45.5 | 37.1 | 67.5 | |
| 11:00 | 15:00 | 41.0 | 35.8 | 66.2 | |
| 11:15 | 15:00 | 40.9 | 35.1 | 63.5 | |
| 11:30 | 15:00 | 41.5 | 36.8 | 63.4 | |
| 11:45 | 15:00 | 43.5 | 37.4 | 61.3 | |
| 12:00 | 15:00 | 40.6 | 37.6 | 60.4 | |
| 12:15 | 15:00 | 42.4 | 39.0 | 67.6 | |
| 12:30 | 15:00 | 40.0 | 37.3 | 57.6 | |
| 12:45 | 15:00 | 44.3 | 39.0 | 71.7 | |
| 13:00 | 15:00 | 43.6 | 38.7 | 67.6 | |
| 13:15 | 15:00 | 42.5 | 39.9 | 68.3 | |
| 13:30 | 15:00 | 42.5 | 38.9 | 62.0 | |
| 13:45 | 15:00 | 38.5 | 37.1 | 49.1 | |
| 14:00 | 15:00 | 40.4 | 37.0 | 55.9 | |
| 14:15 | 15:00 | 44.8 | 35.2 | 72.0 | |
| 14:30 | 15:00 | 41.2 | 37.9 | 53.5 | |
| 14:45 | 15:00 | 54.2 | 37.8 | 85.8 | |
| Log Average 0700-1500 | | 43.8 | 36.9 | 49-86 | |
| Average 0700-1500 | | 42.2 | 36.8 | 49-86 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 14

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 44.1 | 38.2 | 67.9 | |
| 15:15 | 15:00 | 44.2 | 37.3 | 71.7 | |
| 15:30 | 15:00 | 42.4 | 36.1 | 66.2 | |
| 15:45 | 15:00 | 41.0 | 36.8 | 58.1 | |
| 16:00 | 15:00 | 41.7 | 36.0 | 65.8 | |
| 16:15 | 15:00 | 39.1 | 34.2 | 55.4 | |
| 16:30 | 15:00 | 41.7 | 35.3 | 69.0 | |
| 16:45 | 15:00 | 41.8 | 37.3 | 57.5 | |
| 17:00 | 15:00 | 42.6 | 36.1 | 63.7 | |
| 17:15 | 15:00 | 47.9 | 36.6 | 76.1 | |
| 17:30 | 15:00 | 39.9 | 35.4 | 60.1 | |
| 17:45 | 15:00 | 40.5 | 34.9 | 69.1 | |
| 18:00 | 15:00 | 46.9 | 36.6 | 74.1 | |
| 18:15 | 15:00 | 38.3 | 34.6 | 54.9 | |
| 18:30 | 15:00 | 42.2 | 35.1 | 59.5 | |
| 18:45 | 15:00 | 44.2 | 35.9 | 68.8 | |
| 19:00 | 15:00 | 41.9 | 38.4 | 58.2 | |
| 19:15 | 15:00 | 42.5 | 37.3 | 62.1 | |
| 19:30 | 15:00 | 43.6 | 38.3 | 66.8 | |
| 19:45 | 15:00 | 41.3 | 38.0 | 66.5 | |
| 20:00 | 15:00 | 40.9 | 36.5 | 62.0 | |
| 20:15 | 15:00 | 42.7 | 36.6 | 67.9 | |
| 20:30 | 15:00 | 42.9 | 38.2 | 58.7 | |
| 20:45 | 15:00 | 43.2 | 37.9 | 65.0 | |
| 21:00 | 15:00 | 42.8 | 36.3 | 66.9 | |
| 21:15 | 15:00 | 43.2 | 37.7 | 60.3 | |
| 21:30 | 15:00 | 42.3 | 36.2 | 65.3 | |
| 21:45 | 15:00 | 39.2 | 35.4 | 55.9 | |
| 22:00 | 15:00 | 38.7 | 34.5 | 51.7 | |
| 22:15 | 15:00 | 41.1 | 35.2 | 55.2 | |
| 22:30 | 15:00 | 39.9 | 36.2 | 56.4 | |
| 22:45 | 15:00 | 39.5 | 37.7 | 54.6 | |
| Log Average 1500-2300 | | 42.5 | 36.6 | 52-76 | |
| Average 1500-2300 | | 42.0 | 36.5 | 52-76 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 15

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 38.5 | 35.8 | 46.9 | |
| 23:15 | 15:00 | 38.8 | 35.7 | 51.0 | |
| 23:30 | 15:00 | 39.7 | 36.9 | 47.4 | |
| 23:45 | 15:00 | 37.4 | 33.6 | 46.9 | |
| 00:00 | 15:00 | 35.6 | 33.9 | 46.4 | |
| 00:15 | 15:00 | 35.2 | 33.6 | 43.3 | |
| 00:30 | 15:00 | 36.1 | 33.5 | 50.5 | |
| 00:45 | 15:00 | 35.6 | 33.6 | 43.7 | |
| 01:00 | 15:00 | 35.4 | 33.5 | 40.2 | |
| 01:15 | 15:00 | 32.4 | 29.7 | 48.1 | |
| 01:30 | 15:00 | 35.4 | 33.5 | 40.6 | |
| 01:45 | 15:00 | 35.2 | 33.8 | 57.7 | |
| 02:00 | 15:00 | 34.1 | 31.0 | 42.0 | |
| 02:15 | 15:00 | 30.4 | 28.8 | 40.7 | |
| 02:30 | 15:00 | 29.5 | 27.6 | 45.6 | |
| 02:45 | 15:00 | 31.0 | 28.8 | 44.1 | |
| 03:00 | 15:00 | 31.3 | 28.9 | 43.2 | |
| 03:15 | 15:00 | 32.0 | 29.8 | 42.8 | |
| 03:30 | 15:00 | 31.7 | 29.1 | 42.6 | |
| 03:45 | 15:00 | 32.0 | 30.1 | 43.4 | |
| 04:00 | 15:00 | 32.7 | 31.1 | 39.9 | |
| 04:15 | 15:00 | 33.3 | 30.4 | 45.6 | |
| 04:30 | 15:00 | 32.9 | 30.2 | 48.4 | |
| 04:45 | 15:00 | 32.2 | 30.5 | 44.2 | |
| 05:00 | 15:00 | 43.4 | 34.2 | 67.6 | |
| 05:15 | 15:00 | 36.3 | 33.6 | 56.7 | |
| 05:30 | 15:00 | 36.7 | 33.5 | 60.4 | |
| 05:45 | 15:00 | 42.1 | 33.6 | 62.2 | |
| 06:00 | 15:00 | 39.6 | 33.8 | 57.3 | |
| 06:15 | 15:00 | 43.0 | 32.3 | 67.3 | |
| 06:30 | 15:00 | 47.6 | 33.4 | 66.4 | |
| 06:45 | 15:00 | 48.4 | 34.5 | 69.4 | |
| Log Average 2300-0700 | | 39.3 | 32.8 | 40-69 | |
| Average 2300-0700 | | 36.1 | 32.3 | 40-69 | |
| Average 0700-2300 | | 43.2 | 36.8 | 49-86 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

TABLE 16

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 45.4 | 35.3 | 64.4 | |
| 07:15 | 15:00 | 43.2 | 36.6 | 68.4 | |
| 07:30 | 15:00 | 43.4 | 34.7 | 65.4 | |
| 07:45 | 15:00 | 42.2 | 35.8 | 57.5 | |
| 08:00 | 15:00 | 43.5 | 36.8 | 66.7 | |
| 08:15 | 15:00 | 43.3 | 37.4 | 57.8 | |
| 08:30 | 15:00 | 41.6 | 36.2 | 58.4 | |
| 08:45 | 15:00 | 46.3 | 36.8 | 78.0 | |
| 09:00 | 15:00 | 44.8 | 36.1 | 62.5 | |
| 09:15 | 15:00 | 44.0 | 38.9 | 59.3 | |
| 09:30 | 15:00 | 40.4 | 37.1 | 53.7 | |
| 09:45 | 15:00 | 41.8 | 34.3 | 55.0 | |
| 10:00 | 15:00 | 40.8 | 36.4 | 59.3 | |
| 10:15 | 15:00 | 38.7 | 37.0 | 54.7 | |
| 10:30 | 15:00 | 42.1 | 38.2 | 59.4 | |
| 10:45 | 15:00 | 46.4 | 38.2 | 68.6 | |
| 11:00 | 15:00 | 42.9 | 38.6 | 61.1 | |
| 11:15 | 15:00 | 45.2 | 36.4 | 59.0 | |
| 11:30 | 15:00 | 49.8 | 38.4 | 59.0 | |
| 11:45 | 15:00 | 43.0 | 39.9 | 58.6 | |
| 12:00 | 15:00 | 42.3 | 36.6 | 63.8 | |
| 12:15 | 15:00 | 40.3 | 35.2 | 55.9 | |
| 12:30 | 15:00 | 59.2 | 38.4 | 76.3 | |
| 12:45 | 15:00 | 55.8 | 36.5 | 68.0 | |
| 13:00 | 15:00 | 38.5 | 35.5 | 57.0 | |
| 13:15 | 15:00 | 39.7 | 36.5 | 55.2 | |
| 13:30 | 15:00 | 38.7 | 35.2 | 52.8 | |
| 13:45 | 15:00 | 39.2 | 35.7 | 62.3 | |
| 14:00 | 15:00 | 42.5 | 35.9 | 65.9 | |
| 14:15 | 15:00 | 36.9 | 34.9 | 49.7 | |
| 14:30 | 15:00 | 38.2 | 34.3 | 56.4 | |
| 14:45 | 15:00 | 39.4 | 35.7 | 66.1 | |
| Log Average 0700-1500 | | 47.5 | 36.7 | 50-78 | |
| Average 0700-1500 | | 43.1 | 36.5 | 50-78 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 17

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 38.3 | 35.8 | 58.8 | |
| 15:15 | 15:00 | 41.4 | 35.0 | 70.7 | |
| 15:30 | 15:00 | 42.9 | 34.9 | 65.8 | |
| 15:45 | 15:00 | 42.8 | 34.0 | 73.3 | |
| 16:00 | 15:00 | 40.5 | 36.3 | 69.1 | |
| 16:15 | 15:00 | 42.1 | 35.9 | 68.0 | |
| 16:30 | 15:00 | 42.7 | 35.9 | 63.8 | |
| 16:45 | 15:00 | 41.0 | 38.9 | 59.7 | |
| 17:00 | 15:00 | 47.5 | 38.7 | 74.9 | |
| 17:15 | 15:00 | 49.1 | 37.5 | 69.7 | |
| 17:30 | 15:00 | 42.1 | 34.8 | 64.5 | |
| 17:45 | 15:00 | 50.0 | 38.0 | 72.4 | |
| 18:00 | 15:00 | 43.0 | 36.2 | 68.7 | |
| 18:15 | 15:00 | 40.8 | 36.4 | 65.7 | |
| 18:30 | 15:00 | 41.7 | 36.8 | 63.3 | |
| 18:45 | 15:00 | 41.5 | 34.9 | 57.2 | |
| 19:00 | 15:00 | 42.6 | 36.2 | 69.7 | |
| 19:15 | 15:00 | 44.2 | 36.6 | 63.3 | |
| 19:30 | 15:00 | 43.5 | 36.8 | 68.0 | |
| 19:45 | 15:00 | 42.0 | 35.1 | 63.2 | |
| 20:00 | 15:00 | 42.5 | 34.9 | 60.5 | |
| 20:15 | 15:00 | 41.1 | 33.9 | 67.1 | |
| 20:30 | 15:00 | 37.3 | 34.0 | 55.1 | |
| 20:45 | 15:00 | 38.1 | 32.4 | 59.8 | |
| 21:00 | 15:00 | 42.8 | 33.9 | 68.7 | |
| 21:15 | 15:00 | 37.2 | 31.8 | 55.3 | |
| 21:30 | 15:00 | 37.9 | 31.3 | 60.3 | |
| 21:45 | 15:00 | 37.0 | 31.7 | 54.4 | |
| 22:00 | 15:00 | 35.6 | 30.8 | 54.1 | |
| 22:15 | 15:00 | 34.5 | 32.3 | 47.9 | |
| 22:30 | 15:00 | 34.9 | 30.6 | 51.8 | |
| 22:45 | 15:00 | 35.4 | 30.8 | 50.4 | |
| Log Average 1500-2300 | | 42.7 | 35.3 | 48-75 | |
| Average 1500-2300 | | 41.1 | 34.8 | 48-75 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 1 - 2 Linden Avenue**

TABLE 18

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 33.7 | 30.4 | 55.6 | |
| 23:15 | 15:00 | 32.3 | 29.7 | 43.7 | |
| 23:30 | 15:00 | 34.9 | 30.1 | 51.9 | |
| 23:45 | 15:00 | 32.5 | 30.3 | 53.0 | |
| 00:00 | 15:00 | 32.7 | 31.3 | 41.4 | |
| 00:15 | 15:00 | 35.0 | 33.6 | 44.7 | |
| 00:30 | 15:00 | 34.4 | 32.1 | 44.3 | |
| 00:45 | 15:00 | 33.4 | 30.6 | 45.6 | |
| 01:00 | 15:00 | 32.2 | 29.5 | 43.9 | |
| 01:15 | 15:00 | 32.0 | 30.6 | 43.1 | |
| 01:30 | 15:00 | 33.1 | 31.3 | 40.8 | |
| 01:45 | 15:00 | 34.4 | 32.2 | 45.5 | |
| 02:00 | 15:00 | 33.8 | 31.5 | 45.0 | |
| 02:15 | 15:00 | 33.1 | 31.4 | 41.5 | |
| 02:30 | 15:00 | 36.0 | 33.6 | 45.0 | |
| 02:45 | 15:00 | 36.6 | 33.6 | 44.3 | |
| 03:00 | 15:00 | 35.7 | 33.6 | 45.7 | |
| 03:15 | 15:00 | 37.9 | 34.8 | 47.4 | |
| 03:30 | 15:00 | 35.6 | 33.5 | 41.4 | |
| 03:45 | 15:00 | 34.9 | 33.5 | 50.0 | |
| 04:00 | 15:00 | 36.0 | 33.7 | 42.5 | |
| 04:15 | 15:00 | 37.5 | 35.1 | 51.9 | |
| 04:30 | 15:00 | 36.2 | 33.6 | 40.4 | |
| 04:45 | 15:00 | 37.0 | 33.6 | 56.9 | |
| 05:00 | 15:00 | 40.4 | 37.0 | 54.0 | |
| 05:15 | 15:00 | 39.3 | 36.1 | 59.1 | |
| 05:30 | 15:00 | 43.9 | 33.6 | 64.3 | |
| 05:45 | 15:00 | 43.0 | 37.6 | 63.1 | |
| 06:00 | 15:00 | 43.1 | 38.4 | 60.7 | |
| 06:15 | 15:00 | 43.6 | 38.6 | 64.6 | |
| 06:30 | 15:00 | 48.0 | 38.5 | 66.0 | |
| 06:45 | 15:00 | 47.2 | 39.0 | 81.3 | |
| Log Average 2300-0700 | | 39.6 | 34.4 | 40-81 | |
| Average 2300-0700 | | 36.8 | 33.5 | 40-81 | |
| Average 0700-2300 | | 45.8 | 36.1 | 48-78 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

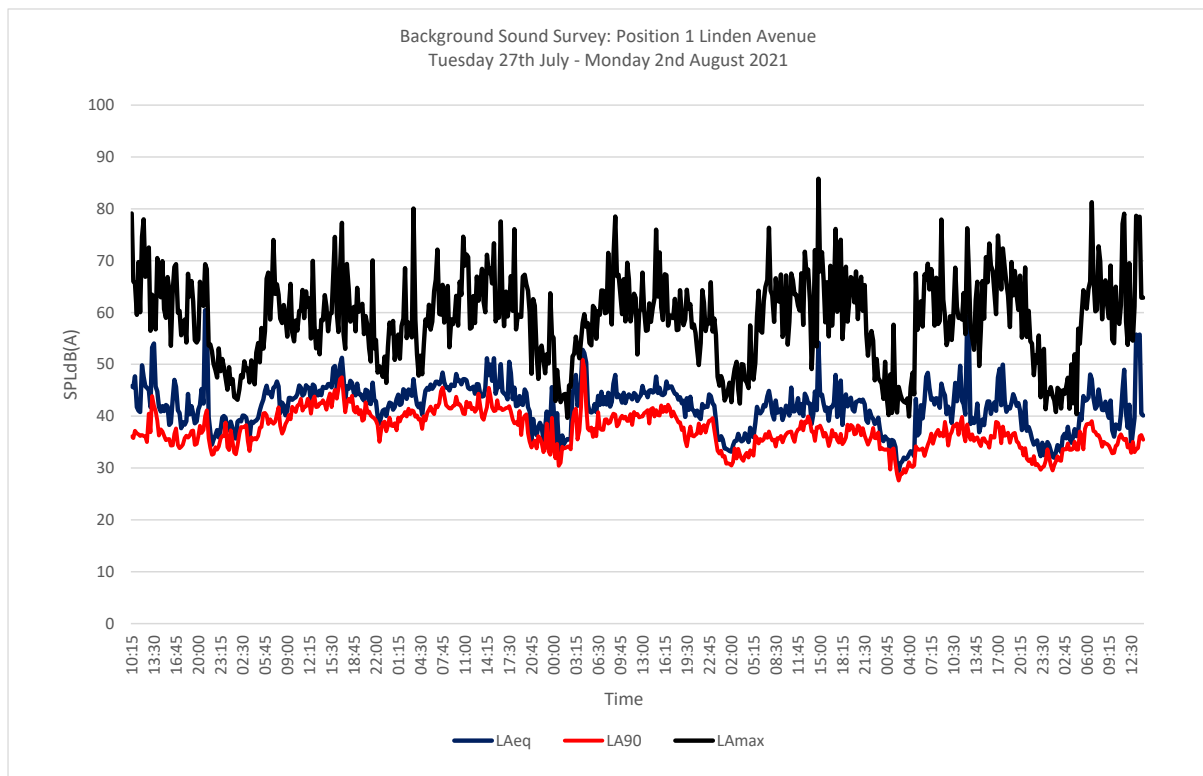
Data: **Position 1 - 2 Linden Avenue**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590499)

Calibration: 94dB

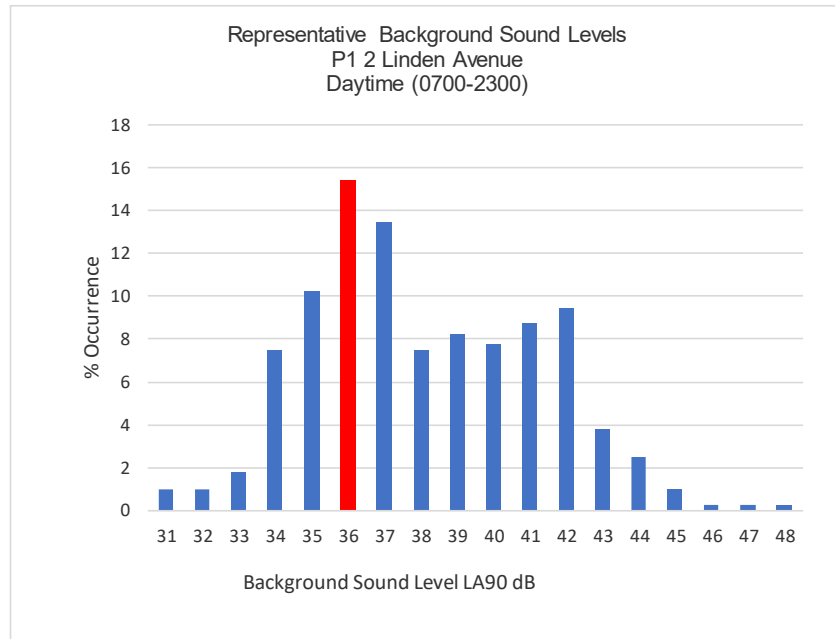
TABLE 19

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 43.5 | 37.2 | 66.9 | |
| 07:15 | 15:00 | 41.5 | 37.0 | 60.3 | |
| 07:30 | 15:00 | 42.0 | 36.4 | 60.5 | |
| 07:45 | 15:00 | 45.1 | 36.3 | 72.8 | |
| 08:00 | 15:00 | 43.1 | 35.6 | 69.8 | |
| 08:15 | 15:00 | 41.2 | 34.1 | 58.7 | |
| 08:30 | 15:00 | 41.2 | 35.0 | 64.8 | |
| 08:45 | 15:00 | 42.8 | 34.8 | 66.2 | |
| 09:00 | 15:00 | 40.8 | 34.6 | 61.3 | |
| 09:15 | 15:00 | 39.7 | 34.3 | 58.9 | |
| 09:30 | 15:00 | 43.0 | 33.6 | 69.1 | |
| 09:45 | 15:00 | 37.3 | 32.9 | 54.8 | |
| 10:00 | 15:00 | 36.1 | 32.9 | 54.1 | |
| 10:15 | 15:00 | 38.4 | 34.3 | 65.0 | |
| 10:30 | 15:00 | 38.0 | 34.5 | 58.7 | |
| 10:45 | 15:00 | 37.5 | 36.0 | 57.8 | |
| 11:00 | 15:00 | 40.3 | 36.5 | 61.4 | |
| 11:15 | 15:00 | 45.1 | 35.9 | 77.1 | |
| 11:30 | 15:00 | 49.0 | 35.4 | 79.1 | |
| 11:45 | 15:00 | 40.5 | 35.6 | 58.3 | |
| 12:00 | 15:00 | 37.8 | 34.0 | 53.8 | |
| 12:15 | 15:00 | 42.2 | 34.5 | 69.5 | |
| 12:30 | 15:00 | 34.2 | 32.9 | 54.9 | |
| 12:45 | 15:00 | 37.0 | 35.1 | 54.6 | |
| 13:00 | 15:00 | 39.7 | 33.1 | 61.2 | |
| 13:15 | 15:00 | 55.7 | 33.6 | 78.7 | |
| 13:30 | 15:00 | 55.4 | 33.8 | 78.3 | |
| 13:45 | 15:00 | 55.7 | 36.1 | 78.5 | |
| 14:00 | 15:00 | 40.5 | 36.4 | 62.9 | |
| 14:15 | 15:00 | 40.1 | 35.5 | 62.9 | |
| Log Average 0700-1430 | | 47.0 | 35.0 | 54-71 | |
| Average 0700-1430 | | 42.1 | 34.9 | 54-71 | |
| Overall Log Average | | 41.7 | 37.5 | 40-81 | With Rain |
| Overall Log Average | | 45.7 | 39.2 | 47-86 | With Rain |
| Overall Log Average | | 40.8 | 36.4 | 40-81 | No Rain |
| Overall Log Average | | 45.5 | 39.2 | 47-86 | No Rain |

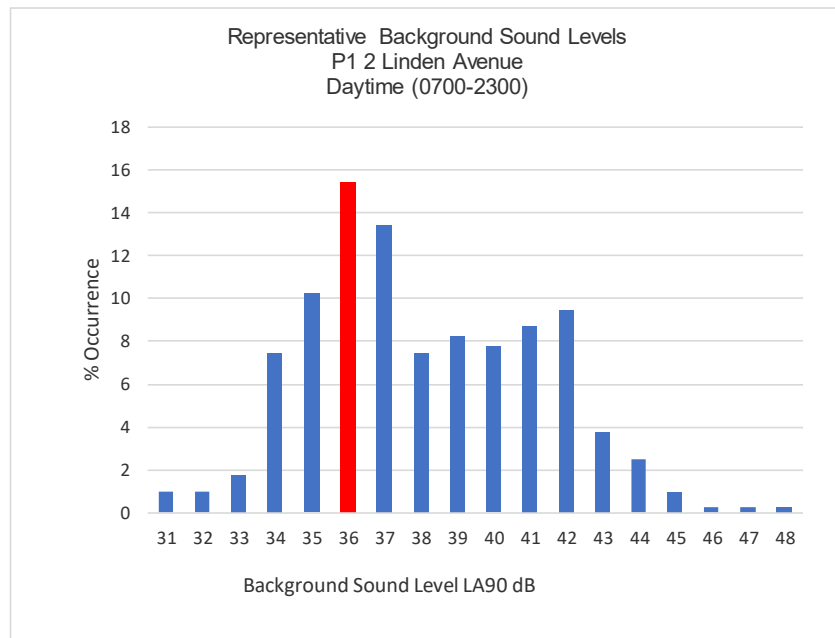


LA90 Representative Levels

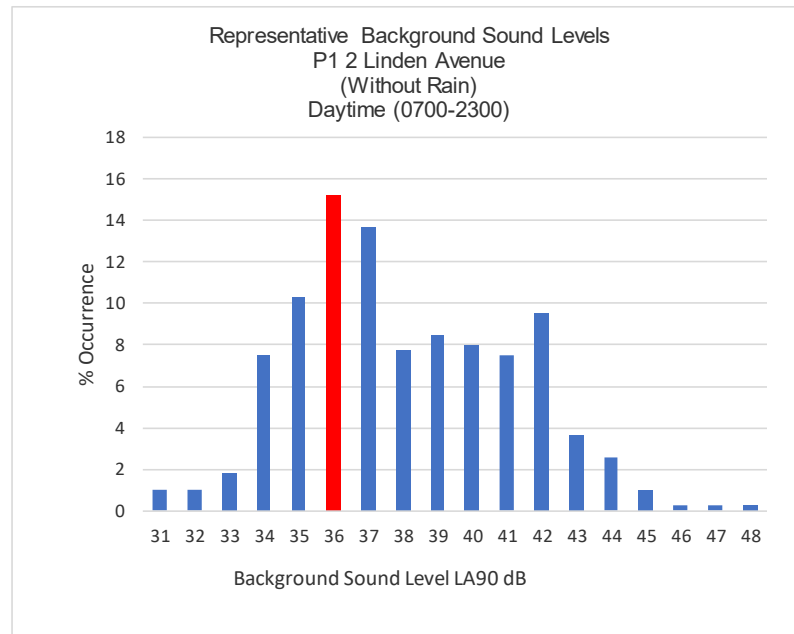
| LA90 | % Occurrence |
|-----------|--------------|
| 31 | 1.0 |
| 32 | 1.0 |
| 33 | 1.7 |
| 34 | 7.5 |
| 35 | 10.2 |
| 36 | 15.5 |
| 37 | 13.5 |
| 38 | 7.5 |
| 39 | 8.2 |
| 40 | 7.7 |
| 41 | 8.7 |
| 42 | 9.5 |
| 43 | 3.7 |
| 44 | 2.5 |
| 45 | 1.0 |
| 46 | 0.2 |
| 47 | 0.2 |
| 48 | 0.2 |



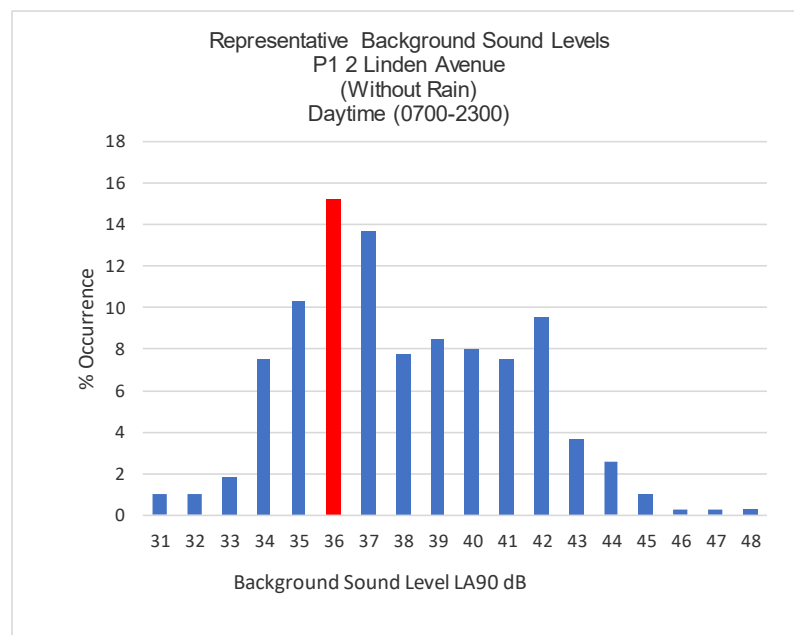
| LA90 | % Occurrence |
|-----------|--------------|
| 31 | 1.0 |
| 32 | 1.0 |
| 33 | 1.7 |
| 34 | 7.5 |
| 35 | 10.2 |
| 36 | 15.5 |
| 37 | 13.5 |
| 38 | 7.5 |
| 39 | 8.2 |
| 40 | 7.7 |
| 41 | 8.7 |
| 42 | 9.5 |
| 43 | 3.7 |
| 44 | 2.5 |
| 45 | 1.0 |
| 46 | 0.2 |
| 47 | 0.2 |
| 48 | 0.2 |



| LA90 | % Occurrence |
|------|--------------|
| 31 | 1.0 |
| 32 | 1.0 |
| 33 | 1.8 |
| 34 | 7.5 |
| 35 | 10.3 |
| 36 | 15.2 |
| 37 | 13.7 |
| 38 | 7.8 |
| 39 | 8.5 |
| 40 | 8.0 |
| 41 | 7.5 |
| 42 | 9.6 |
| 43 | 3.6 |
| 44 | 2.6 |
| 45 | 1.0 |
| 46 | 0.3 |
| 47 | 0.3 |
| 48 | 0.3 |



| LA90 | % Occurrence |
|-----------|--------------|
| 31 | 1.0 |
| 32 | 1.0 |
| 33 | 1.8 |
| 34 | 7.5 |
| 35 | 10.3 |
| 36 | 15.2 |
| 37 | 13.7 |
| 38 | 7.8 |
| 39 | 8.5 |
| 40 | 8.0 |
| 41 | 7.5 |
| 42 | 9.6 |
| 43 | 3.6 |
| 44 | 2.6 |
| 45 | 1.0 |
| 46 | 0.3 |
| 47 | 0.3 |
| 48 | 0.3 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 20

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 10:00 | 15:00 | 57.3 | 49.1 | 77.3 | |
| 10:15 | 15:00 | 56.7 | 47.5 | 73.2 | |
| 10:30 | 15:00 | 56.5 | 48.7 | 74.5 | |
| 10:45 | 15:00 | 57.5 | 50.9 | 74.1 | |
| 11:00 | 15:00 | 55.2 | 47.7 | 68.3 | |
| 11:15 | 15:00 | 55.8 | 46.7 | 70.1 | |
| 11:30 | 15:00 | 55.6 | 47.8 | 70.6 | |
| 11:45 | 15:00 | 56.6 | 46.3 | 73.1 | |
| 12:00 | 15:00 | 55.4 | 47.0 | 67.0 | |
| 12:15 | 15:00 | 55.9 | 47.7 | 70.7 | |
| 12:30 | 15:00 | 55.1 | 44.8 | 68.3 | Rain |
| 12:45 | 15:00 | 55.6 | 46.4 | 67.8 | |
| 13:00 | 15:00 | 57.0 | 50.4 | 73.3 | |
| 13:15 | 15:00 | 57.6 | 50.9 | 66.8 | |
| 13:30 | 15:00 | 60.8 | 52.8 | 73.4 | |
| 13:45 | 15:00 | 59.0 | 50.6 | 71.4 | Rain |
| 14:00 | 15:00 | 58.9 | 51.0 | 76.9 | |
| 14:15 | 15:00 | 57.0 | 46.8 | 67.8 | |
| 14:30 | 15:00 | 58.1 | 51.1 | 74.1 | |
| 14:45 | 15:00 | 58.1 | 49.4 | 70.1 | Rain |
| Log Average 1000-1500 | | 57.2 | 49.1 | 67-77 | |
| Average 1000-1500 | | 57.0 | 48.7 | 67-77 | |

Noise Survey Results

Date: Tuesday 27th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 21

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 58.3 | 49.5 | 70.2 | Rain |
| 15:15 | 15:00 | 58.1 | 48.5 | 70.3 | |
| 15:30 | 15:00 | 57.4 | 48.0 | 67.0 | Rain |
| 15:45 | 15:00 | 57.2 | 48.4 | 67.8 | |
| 16:00 | 15:00 | 57.7 | 46.4 | 73.3 | |
| 16:15 | 15:00 | 57.2 | 49.5 | 67.1 | |
| 16:30 | 15:00 | 58.1 | 51.1 | 66.5 | |
| 16:45 | 15:00 | 58.0 | 51.7 | 74.9 | |
| 17:00 | 15:00 | 58.1 | 52.2 | 73.5 | |
| 17:15 | 15:00 | 59.4 | 52.6 | 77.1 | Rain |
| 17:30 | 15:00 | 59.0 | 54.4 | 72.4 | |
| 17:45 | 15:00 | 59.0 | 54.3 | 72.0 | |
| 18:00 | 15:00 | 58.6 | 52.7 | 77.4 | |
| 18:15 | 15:00 | 56.7 | 47.7 | 72.8 | |
| 18:30 | 15:00 | 56.2 | 47.5 | 68.1 | |
| 18:45 | 15:00 | 56.1 | 45.5 | 68.8 | |
| 19:00 | 15:00 | 55.8 | 45.0 | 67.3 | |
| 19:15 | 15:00 | 62.1 | 46.1 | 89.5 | |
| 19:30 | 15:00 | 55.3 | 45.9 | 68.0 | |
| 19:45 | 15:00 | 55.5 | 44.5 | 72.5 | |
| 20:00 | 15:00 | 55.0 | 45.0 | 69.6 | |
| 20:15 | 15:00 | 55.0 | 46.6 | 64.2 | |
| 20:30 | 15:00 | 54.2 | 45.4 | 79.4 | |
| 20:45 | 15:00 | 54.7 | 44.8 | 71.9 | |
| 21:00 | 15:00 | 63.6 | 47.1 | 79.3 | |
| 21:15 | 15:00 | 60.2 | 44.4 | 74.2 | Rain |
| 21:30 | 15:00 | 52.8 | 37.9 | 67.4 | Rain |
| 21:45 | 15:00 | 52.8 | 40.2 | 68.9 | |
| 22:00 | 15:00 | 52.8 | 37.4 | 67.8 | |
| 22:15 | 15:00 | 54.4 | 41.3 | 72.7 | |
| 22:30 | 15:00 | 51.8 | 39.2 | 65.9 | |
| 22:45 | 15:00 | 52.1 | 42.0 | 67.3 | |
| Log Average 1500-2300 | | 57.5 | 48.6 | 64-90 | |
| Average 1500-2300 | | 56.7 | 46.7 | 64-90 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

TABLE 22

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 53.7 | 41.2 | 79.7 | |
| 23:15 | 15:00 | 50.9 | 42.7 | 65.3 | |
| 23:30 | 15:00 | 50.4 | 44.4 | 65.6 | |
| 23:45 | 15:00 | 48.6 | 44.5 | 64.0 | |
| 00:00 | 15:00 | 49.2 | 43.6 | 60.7 | |
| 00:15 | 15:00 | 46.7 | 42.1 | 62.9 | |
| 00:30 | 15:00 | 48.0 | 42.7 | 62.6 | |
| 00:45 | 15:00 | 46.8 | 42.9 | 65.6 | |
| 01:00 | 15:00 | 49.3 | 41.7 | 68.1 | |
| 01:15 | 15:00 | 46.7 | 38.3 | 64.6 | |
| 01:30 | 15:00 | 42.1 | 37.6 | 58.8 | |
| 01:45 | 15:00 | 50.0 | 41.4 | 69.2 | |
| 02:00 | 15:00 | 46.5 | 43.6 | 62.8 | |
| 02:15 | 15:00 | 49.0 | 45.2 | 65.2 | |
| 02:30 | 15:00 | 48.6 | 45.9 | 62.1 | |
| 02:45 | 15:00 | 46.7 | 44.5 | 62.9 | Rain |
| 03:00 | 15:00 | 49.8 | 44.6 | 66.9 | Rain |
| 03:15 | 15:00 | 46.9 | 42.3 | 60.0 | |
| 03:30 | 15:00 | 44.2 | 41.0 | 57.0 | |
| 03:45 | 15:00 | 52.2 | 45.5 | 68.6 | |
| 04:00 | 15:00 | 51.6 | 44.7 | 66.2 | |
| 04:15 | 15:00 | 51.3 | 43.9 | 67.7 | |
| 04:30 | 15:00 | 52.7 | 44.3 | 66.7 | |
| 04:45 | 15:00 | 55.2 | 45.9 | 74.8 | |
| 05:00 | 15:00 | 54.5 | 47.1 | 67.8 | |
| 05:15 | 15:00 | 55.5 | 48.1 | 73.3 | |
| 05:30 | 15:00 | 56.8 | 48.9 | 70.9 | |
| 05:45 | 15:00 | 57.3 | 47.6 | 68.9 | |
| 06:00 | 15:00 | 57.1 | 47.1 | 70.6 | |
| 06:15 | 15:00 | 56.5 | 46.1 | 73.2 | |
| 06:30 | 15:00 | 58.2 | 48.0 | 68.5 | |
| 06:45 | 15:00 | 58.0 | 48.1 | 71.1 | |
| Log Average 2300-0700 | | 52.9 | 45.0 | 57-80 | |
| Average 2300-0700 | | 51.0 | 44.2 | 57-80 | |
| Average 1000-2300 | | 57.4 | 48.8 | 64-90 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 23

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 57.0 | 48.0 | 67.1 | |
| 07:15 | 15:00 | 57.7 | 50.1 | 69.6 | |
| 07:30 | 15:00 | 59.0 | 49.7 | 75.1 | |
| 07:45 | 15:00 | 58.3 | 47.8 | 72.2 | |
| 08:00 | 15:00 | 58.0 | 48.7 | 69.2 | |
| 08:15 | 15:00 | 58.1 | 49.0 | 74.6 | |
| 08:30 | 15:00 | 58.2 | 49.2 | 78.4 | |
| 08:45 | 15:00 | 57.5 | 49.2 | 72.5 | |
| 09:00 | 15:00 | 57.2 | 49.1 | 67.8 | |
| 09:15 | 15:00 | 57.8 | 50.6 | 69.2 | |
| 09:30 | 15:00 | 58.5 | 50.9 | 73.1 | |
| 09:45 | 15:00 | 58.4 | 52.8 | 69.7 | |
| 10:00 | 15:00 | 58.0 | 52.0 | 69.8 | |
| 10:15 | 15:00 | 58.2 | 51.4 | 73.9 | |
| 10:30 | 15:00 | 58.3 | 51.0 | 68.2 | |
| 10:45 | 15:00 | 59.0 | 53.5 | 71.7 | |
| 11:00 | 15:00 | 58.5 | 52.6 | 69.3 | |
| 11:15 | 15:00 | 58.0 | 52.2 | 69.4 | |
| 11:30 | 15:00 | 58.2 | 53.2 | 67.2 | |
| 11:45 | 15:00 | 58.5 | 52.6 | 69.1 | |
| 12:00 | 15:00 | 57.9 | 52.4 | 67.6 | Rain |
| 12:15 | 15:00 | 58.6 | 53.1 | 78.2 | |
| 12:30 | 15:00 | 57.9 | 52.9 | 72.1 | Rain |
| 12:45 | 15:00 | 59.0 | 53.9 | 68.6 | |
| 13:00 | 15:00 | 59.5 | 53.4 | 77.1 | |
| 13:15 | 15:00 | 58.6 | 52.9 | 70.7 | |
| 13:30 | 15:00 | 58.6 | 52.6 | 72.6 | |
| 13:45 | 15:00 | 58.3 | 52.7 | 69.2 | |
| 14:00 | 15:00 | 58.7 | 52.7 | 76.3 | Rain |
| 14:15 | 15:00 | 59.9 | 54.2 | 79.7 | |
| 14:30 | 15:00 | 58.2 | 53.7 | 70.1 | |
| 14:45 | 15:00 | 58.5 | 53.5 | 66.9 | |
| Log Average 0700-1500 | | 58.3 | 51.9 | 67-80 | |
| Average 0700-1500 | | 58.3 | 51.6 | 67-80 | |

Noise Survey Results

Date: Wednesday 28th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 24

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 60.7 | 53.9 | 81.4 | |
| 15:15 | 15:00 | 58.6 | 53.2 | 70.6 | |
| 15:30 | 15:00 | 59.3 | 53.9 | 72.0 | |
| 15:45 | 15:00 | 61.3 | 55.4 | 70.1 | |
| 16:00 | 15:00 | 60.1 | 55.1 | 70.6 | |
| 16:15 | 15:00 | 58.9 | 53.1 | 70.8 | |
| 16:30 | 15:00 | 60.3 | 55.1 | 69.9 | |
| 16:45 | 15:00 | 61.5 | 56.5 | 70.1 | |
| 17:00 | 15:00 | 61.9 | 57.6 | 77.8 | |
| 17:15 | 15:00 | 61.4 | 57.0 | 80.2 | |
| 17:30 | 15:00 | 59.9 | 53.4 | 81.5 | Rain |
| 17:45 | 15:00 | 59.8 | 54.4 | 70.7 | |
| 18:00 | 15:00 | 59.9 | 54.5 | 70.9 | |
| 18:15 | 15:00 | 60.1 | 54.4 | 76.7 | |
| 18:30 | 15:00 | 58.9 | 51.9 | 78.4 | |
| 18:45 | 15:00 | 58.5 | 50.8 | 78.0 | |
| 19:00 | 15:00 | 57.7 | 50.4 | 69.5 | |
| 19:15 | 15:00 | 57.7 | 51.2 | 66.6 | |
| 19:30 | 15:00 | 56.6 | 49.6 | 67.1 | |
| 19:45 | 15:00 | 57.0 | 49.8 | 68.5 | |
| 20:00 | 15:00 | 56.0 | 48.6 | 68.6 | |
| 20:15 | 15:00 | 57.0 | 49.7 | 68.2 | |
| 20:30 | 15:00 | 58.5 | 50.7 | 74.7 | |
| 20:45 | 15:00 | 56.6 | 50.1 | 66.2 | Rain |
| 21:00 | 15:00 | 55.3 | 49.6 | 64.9 | Rain |
| 21:15 | 15:00 | 55.7 | 49.8 | 68.0 | |
| 21:30 | 15:00 | 56.7 | 48.9 | 69.8 | |
| 21:45 | 15:00 | 56.2 | 49.1 | 82.7 | |
| 22:00 | 15:00 | 53.7 | 46.8 | 66.7 | |
| 22:15 | 15:00 | 51.8 | 44.9 | 64.2 | |
| 22:30 | 15:00 | 52.1 | 44.3 | 67.5 | |
| 22:45 | 15:00 | 53.3 | 45.5 | 69.4 | |
| Log Average 1500-2300 | | 58.6 | 52.7 | 64-83 | |
| Average 1500-2300 | | 57.9 | 51.5 | 64-83 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 25

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 50.3 | 45.7 | 62.7 | |
| 23:15 | 15:00 | 51.6 | 46.2 | 64.6 | |
| 23:30 | 15:00 | 50.9 | 46.8 | 62.6 | |
| 23:45 | 15:00 | 51.8 | 46.3 | 66.5 | |
| 00:00 | 15:00 | 52.6 | 47.8 | 62.7 | |
| 00:15 | 15:00 | 51.3 | 47.7 | 64.9 | |
| 00:30 | 15:00 | 51.3 | 47.5 | 64.7 | |
| 00:45 | 15:00 | 49.9 | 47.1 | 63.1 | |
| 01:00 | 15:00 | 53.0 | 47.5 | 66.4 | |
| 01:15 | 15:00 | 55.0 | 47.7 | 71.9 | |
| 01:30 | 15:00 | 51.1 | 48.1 | 64.2 | |
| 01:45 | 15:00 | 50.6 | 48.6 | 66.7 | |
| 02:00 | 15:00 | 54.2 | 49.6 | 64.9 | |
| 02:15 | 15:00 | 52.9 | 49.3 | 65.4 | |
| 02:30 | 15:00 | 52.5 | 48.6 | 71.8 | Rain |
| 02:45 | 15:00 | 54.0 | 49.8 | 68.6 | |
| 03:00 | 15:00 | 53.1 | 49.7 | 68.6 | |
| 03:15 | 15:00 | 54.0 | 50.0 | 69.4 | |
| 03:30 | 15:00 | 52.9 | 49.4 | 69.7 | |
| 03:45 | 15:00 | 54.1 | 48.9 | 70.5 | |
| 04:00 | 15:00 | 52.4 | 48.5 | 68.8 | |
| 04:15 | 15:00 | 52.6 | 49.2 | 68.3 | |
| 04:30 | 15:00 | 53.3 | 48.5 | 66.8 | |
| 04:45 | 15:00 | 53.7 | 47.0 | 67.7 | |
| 05:00 | 15:00 | 54.7 | 47.7 | 69.2 | |
| 05:15 | 15:00 | 55.5 | 48.3 | 70.0 | |
| 05:30 | 15:00 | 57.3 | 49.5 | 76.0 | |
| 05:45 | 15:00 | 57.5 | 50.5 | 71.5 | |
| 06:00 | 15:00 | 59.0 | 50.9 | 71.0 | |
| 06:15 | 15:00 | 56.5 | 49.4 | 67.7 | |
| 06:30 | 15:00 | 58.4 | 50.8 | 68.9 | |
| 06:45 | 15:00 | 58.5 | 51.8 | 76.7 | |
| Log Average 2300-0700 | | 54.4 | 48.8 | 63-77 | |
| Average 2300-0700 | | 53.6 | 48.6 | 63-77 | |
| Average 0700-2300 | | 58.4 | 52.3 | 64-83 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 26

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 58.8 | 52.0 | 69.1 | |
| 07:15 | 15:00 | 59.6 | 52.1 | 67.6 | |
| 07:30 | 15:00 | 59.8 | 53.6 | 68.9 | |
| 07:45 | 15:00 | 59.9 | 53.8 | 70.1 | |
| 08:00 | 15:00 | 60.1 | 52.8 | 75.7 | |
| 08:15 | 15:00 | 59.1 | 52.5 | 69.9 | |
| 08:30 | 15:00 | 59.1 | 51.6 | 75.9 | |
| 08:45 | 15:00 | 59.5 | 51.5 | 77.9 | |
| 09:00 | 15:00 | 58.6 | 52.3 | 70.3 | |
| 09:15 | 15:00 | 58.5 | 51.8 | 69.2 | |
| 09:30 | 15:00 | 58.5 | 52.3 | 69.1 | |
| 09:45 | 15:00 | 59.8 | 54.2 | 72.2 | |
| 10:00 | 15:00 | 59.3 | 52.3 | 72.2 | |
| 10:15 | 15:00 | 58.7 | 51.3 | 73.9 | |
| 10:30 | 15:00 | 58.5 | 53.5 | 69.1 | |
| 10:45 | 15:00 | 59.0 | 53.6 | 71.0 | |
| 11:00 | 15:00 | 59.2 | 53.3 | 71.1 | |
| 11:15 | 15:00 | 58.5 | 52.2 | 69.1 | |
| 11:30 | 15:00 | 58.8 | 52.3 | 74.6 | |
| 11:45 | 15:00 | 58.1 | 52.6 | 69.4 | |
| 12:00 | 15:00 | 58.9 | 53.2 | 68.7 | |
| 12:15 | 15:00 | 58.2 | 52.4 | 68.8 | |
| 12:30 | 15:00 | 57.0 | 50.2 | 67.7 | |
| 12:45 | 15:00 | 59.3 | 54.0 | 68.5 | |
| 13:00 | 15:00 | 59.1 | 52.0 | 69.1 | |
| 13:15 | 15:00 | 58.4 | 52.5 | 70.5 | |
| 13:30 | 15:00 | 58.4 | 51.5 | 71.3 | |
| 13:45 | 15:00 | 58.4 | 52.2 | 70.3 | |
| 14:00 | 15:00 | 59.1 | 52.4 | 74.1 | |
| 14:15 | 15:00 | 58.3 | 50.9 | 74.2 | |
| 14:30 | 15:00 | 58.6 | 53.0 | 67.3 | |
| 14:45 | 15:00 | 58.9 | 52.3 | 71.8 | |
| Log Average 0700-1500 | | 58.9 | 52.5 | 67-78 | |
| Average 0700-1500 | | 58.9 | 52.4 | 67-78 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 27

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 58.3 | 52.2 | 67.3 | |
| 15:15 | 15:00 | 58.3 | 51.7 | 71.7 | |
| 15:30 | 15:00 | 58.7 | 52.9 | 73.9 | |
| 15:45 | 15:00 | 59.6 | 54.4 | 73.3 | |
| 16:00 | 15:00 | 58.8 | 53.7 | 71.0 | |
| 16:15 | 15:00 | 58.3 | 52.5 | 72.5 | |
| 16:30 | 15:00 | 58.5 | 53.0 | 70.5 | |
| 16:45 | 15:00 | 58.8 | 52.3 | 73.1 | |
| 17:00 | 15:00 | 57.8 | 51.4 | 68.7 | |
| 17:15 | 15:00 | 58.5 | 53.5 | 73.0 | |
| 17:30 | 15:00 | 59.2 | 53.0 | 75.0 | |
| 17:45 | 15:00 | 57.5 | 50.3 | 71.8 | |
| 18:00 | 15:00 | 57.9 | 51.2 | 71.8 | |
| 18:15 | 15:00 | 56.9 | 48.8 | 71.3 | |
| 18:30 | 15:00 | 56.7 | 49.1 | 72.2 | |
| 18:45 | 15:00 | 56.5 | 47.6 | 69.1 | |
| 19:00 | 15:00 | 57.4 | 50.0 | 69.0 | |
| 19:15 | 15:00 | 58.9 | 49.8 | 83.3 | |
| 19:30 | 15:00 | 56.6 | 50.0 | 73.9 | |
| 19:45 | 15:00 | 54.8 | 48.9 | 67.1 | |
| 20:00 | 15:00 | 56.2 | 47.3 | 73.9 | |
| 20:15 | 15:00 | 53.6 | 42.3 | 68.5 | |
| 20:30 | 15:00 | 54.3 | 41.6 | 67.4 | |
| 20:45 | 15:00 | 53.7 | 41.5 | 67.6 | |
| 21:00 | 15:00 | 55.0 | 42.7 | 74.8 | |
| 21:15 | 15:00 | 52.4 | 41.7 | 66.8 | |
| 21:30 | 15:00 | 53.0 | 42.2 | 65.7 | |
| 21:45 | 15:00 | 51.6 | 40.5 | 67.7 | |
| 22:00 | 15:00 | 52.3 | 43.5 | 66.8 | |
| 22:15 | 15:00 | 51.0 | 40.3 | 68.3 | |
| 22:30 | 15:00 | 51.2 | 41.2 | 67.2 | |
| 22:45 | 15:00 | 51.4 | 44.5 | 64.3 | |
| Log Average 1500-2300 | | 56.7 | 49.9 | 64-83 | |
| Average 1500-2300 | | 56.1 | 48.0 | 64-83 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

TABLE 28

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 50.5 | 42.2 | 64.8 | |
| 23:15 | 15:00 | 47.5 | 37.8 | 61.9 | |
| 23:30 | 15:00 | 50.3 | 38.4 | 66.1 | |
| 23:45 | 15:00 | 47.7 | 42.9 | 64.6 | |
| 00:00 | 15:00 | 50.8 | 39.8 | 68.1 | Rain |
| 00:15 | 15:00 | 45.6 | 36.9 | 60.4 | Rain |
| 00:30 | 15:00 | 49.4 | 37.6 | 64.7 | |
| 00:45 | 15:00 | 44.3 | 32.7 | 65.0 | Rain |
| 01:00 | 15:00 | 47.0 | 35.8 | 67.4 | |
| 01:15 | 15:00 | 42.4 | 36.2 | 61.9 | |
| 01:30 | 15:00 | 47.1 | 32.5 | 64.6 | |
| 01:45 | 15:00 | 40.8 | 34.0 | 60.9 | |
| 02:00 | 15:00 | 44.6 | 35.4 | 62.7 | |
| 02:15 | 15:00 | 43.4 | 33.4 | 64.2 | |
| 02:30 | 15:00 | 46.6 | 33.1 | 63.4 | |
| 02:45 | 15:00 | 48.8 | 38.6 | 66.1 | |
| 03:00 | 15:00 | 50.6 | 38.7 | 68.1 | Rain |
| 03:15 | 15:00 | 50.4 | 39.9 | 68.9 | Rain |
| 03:30 | 15:00 | 50.7 | 35.7 | 67.5 | Rain |
| 03:45 | 15:00 | 49.0 | 36.5 | 66.5 | Rain |
| 04:00 | 15:00 | 49.1 | 39.8 | 65.7 | Rain |
| 04:15 | 15:00 | 53.7 | 46.4 | 69.7 | Rain |
| 04:30 | 15:00 | 55.0 | 47.5 | 70.3 | Rain |
| 04:45 | 15:00 | 53.5 | 40.5 | 71.7 | Rain |
| 05:00 | 15:00 | 52.6 | 37.0 | 70.5 | |
| 05:15 | 15:00 | 55.3 | 38.6 | 70.3 | |
| 05:30 | 15:00 | 56.9 | 39.0 | 77.4 | Rain |
| 05:45 | 15:00 | 55.0 | 39.4 | 69.7 | |
| 06:00 | 15:00 | 56.0 | 42.0 | 68.6 | |
| 06:15 | 15:00 | 55.3 | 38.8 | 68.9 | |
| 06:30 | 15:00 | 58.4 | 41.6 | 71.4 | |
| 06:45 | 15:00 | 58.2 | 43.7 | 75.7 | Rain |
| Log Average 2300-0700 | | 52.4 | 40.1 | 60-77 | |
| Average 2300-0700 | | 50.2 | 38.5 | 60-77 | |
| Average 0700-2300 | | 57.9 | 51.2 | 64-83 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 29

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 57.9 | 43.6 | 74.5 | |
| 07:15 | 15:00 | 57.2 | 43.0 | 69.8 | |
| 07:30 | 15:00 | 58.2 | 46.6 | 69.3 | |
| 07:45 | 15:00 | 56.7 | 46.5 | 69.8 | |
| 08:00 | 15:00 | 57.5 | 47.4 | 70.9 | |
| 08:15 | 15:00 | 56.3 | 47.5 | 66.7 | |
| 08:30 | 15:00 | 57.7 | 46.1 | 77.3 | |
| 08:45 | 15:00 | 57.2 | 47.1 | 73.8 | |
| 09:00 | 15:00 | 58.4 | 46.6 | 86.4 | |
| 09:15 | 15:00 | 56.0 | 46.2 | 69.2 | |
| 09:30 | 15:00 | 55.2 | 45.1 | 68.7 | |
| 09:45 | 15:00 | 56.2 | 49.0 | 67.1 | |
| 10:00 | 15:00 | 55.4 | 46.1 | 67.0 | |
| 10:15 | 15:00 | 55.2 | 44.1 | 70.1 | |
| 10:30 | 15:00 | 55.3 | 47.4 | 68.2 | |
| 10:45 | 15:00 | 54.8 | 47.0 | 70.4 | |
| 11:00 | 15:00 | 55.3 | 46.3 | 66.7 | |
| 11:15 | 15:00 | 55.2 | 48.3 | 66.2 | |
| 11:30 | 15:00 | 55.7 | 47.5 | 69.8 | |
| 11:45 | 15:00 | 55.9 | 46.8 | 67.8 | |
| 12:00 | 15:00 | 56.2 | 49.0 | 75.4 | |
| 12:15 | 15:00 | 54.8 | 48.0 | 65.6 | |
| 12:30 | 15:00 | 55.8 | 49.3 | 66.4 | |
| 12:45 | 15:00 | 55.7 | 48.8 | 67.8 | |
| 13:00 | 15:00 | 55.6 | 49.5 | 69.8 | |
| 13:15 | 15:00 | 55.6 | 49.2 | 74.3 | |
| 13:30 | 15:00 | 56.0 | 48.4 | 66.3 | |
| 13:45 | 15:00 | 56.6 | 51.4 | 64.8 | |
| 14:00 | 15:00 | 57.4 | 50.6 | 68.1 | |
| 14:15 | 15:00 | 57.2 | 52.8 | 66.5 | |
| 14:30 | 15:00 | 56.3 | 50.8 | 70.1 | |
| 14:45 | 15:00 | 55.7 | 48.9 | 66.3 | |
| Log Average 0700-1500 | | 56.3 | 48.1 | 65-86 | |
| Average 0700-1500 | | 56.3 | 47.7 | 65-86 | |

Noise Survey Results

Date: Friday 30th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 30

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 56.0 | 50.4 | 65.0 | |
| 15:15 | 15:00 | 55.6 | 49.5 | 69.4 | |
| 15:30 | 15:00 | 55.1 | 49.6 | 70.6 | |
| 15:45 | 15:00 | 55.7 | 50.1 | 68.6 | |
| 16:00 | 15:00 | 60.5 | 52.1 | 91.4 | |
| 16:15 | 15:00 | 58.2 | 49.6 | 89.9 | |
| 16:30 | 15:00 | 56.5 | 50.1 | 71.8 | |
| 16:45 | 15:00 | 55.1 | 49.7 | 65.4 | |
| 17:00 | 15:00 | 56.4 | 50.3 | 71.9 | |
| 17:15 | 15:00 | 55.6 | 50.0 | 66.8 | |
| 17:30 | 15:00 | 54.5 | 48.6 | 65.2 | |
| 17:45 | 15:00 | 57.5 | 51.0 | 72.1 | |
| 18:00 | 15:00 | 58.1 | 50.9 | 67.9 | |
| 18:15 | 15:00 | 58.3 | 51.1 | 76.0 | |
| 18:30 | 15:00 | 58.3 | 50.4 | 74.8 | |
| 18:45 | 15:00 | 57.2 | 48.2 | 75.9 | |
| 19:00 | 15:00 | 58.7 | 46.2 | 77.2 | |
| 19:15 | 15:00 | 56.7 | 46.0 | 72.8 | |
| 19:30 | 15:00 | 57.0 | 43.8 | 76.0 | |
| 19:45 | 15:00 | 56.0 | 46.0 | 77.1 | |
| 20:00 | 15:00 | 55.5 | 46.2 | 71.5 | |
| 20:15 | 15:00 | 54.5 | 44.5 | 73.8 | |
| 20:30 | 15:00 | 56.2 | 44.1 | 79.9 | |
| 20:45 | 15:00 | 53.4 | 44.4 | 66.2 | |
| 21:00 | 15:00 | 54.1 | 44.4 | 67.6 | |
| 21:15 | 15:00 | 53.8 | 44.5 | 71.2 | |
| 21:30 | 15:00 | 52.4 | 44.2 | 66.9 | |
| 21:45 | 15:00 | 52.6 | 44.3 | 63.5 | |
| 22:00 | 15:00 | 53.8 | 45.1 | 73.1 | |
| 22:15 | 15:00 | 53.2 | 46.5 | 70.8 | |
| 22:30 | 15:00 | 53.2 | 46.1 | 66.9 | |
| 22:45 | 15:00 | 53.5 | 45.6 | 65.8 | |
| Log Average 1500-2300 | | 56.1 | 48.3 | 64-91 | |
| Average 1500-2300 | | 55.7 | 47.6 | 64-91 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**

TABLE 31

Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 50.9 | 45.6 | 61.9 | |
| 23:15 | 15:00 | 52.5 | 46.3 | 64.8 | |
| 23:30 | 15:00 | 50.1 | 44.0 | 62.4 | |
| 23:45 | 15:00 | 48.1 | 41.5 | 62.1 | |
| 00:00 | 15:00 | 49.8 | 38.4 | 63.9 | |
| 00:15 | 15:00 | 46.2 | 39.1 | 63.3 | |
| 00:30 | 15:00 | 45.6 | 39.7 | 61.2 | |
| 00:45 | 15:00 | 48.1 | 38.8 | 66.8 | |
| 01:00 | 15:00 | 44.9 | 37.2 | 60.6 | |
| 01:15 | 15:00 | 45.0 | 36.2 | 63.5 | |
| 01:30 | 15:00 | 44.5 | 36.3 | 64.4 | |
| 01:45 | 15:00 | 39.7 | 35.1 | 53.5 | |
| 02:00 | 15:00 | 44.7 | 37.0 | 60.8 | |
| 02:15 | 15:00 | 45.5 | 37.3 | 62.3 | |
| 02:30 | 15:00 | 41.6 | 36.1 | 62.8 | |
| 02:45 | 15:00 | 46.7 | 37.3 | 63.1 | |
| 03:00 | 15:00 | 48.4 | 40.4 | 65.9 | |
| 03:15 | 15:00 | 47.4 | 38.1 | 64.2 | |
| 03:30 | 15:00 | 46.9 | 37.2 | 62.6 | |
| 03:45 | 15:00 | 45.2 | 37.1 | 61.5 | |
| 04:00 | 15:00 | 49.2 | 38.4 | 65.9 | |
| 04:15 | 15:00 | 47.7 | 38.0 | 65.7 | |
| 04:30 | 15:00 | 46.4 | 36.8 | 63.9 | |
| 04:45 | 15:00 | 48.4 | 38.6 | 68.9 | |
| 05:00 | 15:00 | 51.0 | 38.8 | 66.7 | |
| 05:15 | 15:00 | 50.3 | 38.4 | 68.4 | |
| 05:30 | 15:00 | 53.0 | 43.5 | 68.6 | |
| 05:45 | 15:00 | 52.4 | 41.0 | 71.4 | |
| 06:00 | 15:00 | 53.0 | 40.8 | 67.2 | |
| 06:15 | 15:00 | 51.8 | 42.2 | 67.1 | |
| 06:30 | 15:00 | 54.3 | 41.9 | 67.5 | |
| 06:45 | 15:00 | 53.2 | 41.8 | 68.8 | |
| Log Average 2300-0700 | | 49.4 | 40.3 | 54-71 | |
| Average 2300-0700 | | 48.2 | 39.3 | 54-71 | |
| Average 0700-2300 | | 56.2 | 48.2 | 64-91 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 32

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 53.6 | 43.2 | 71.4 | |
| 07:15 | 15:00 | 52.9 | 42.9 | 65.0 | |
| 07:30 | 15:00 | 54.0 | 42.9 | 65.1 | |
| 07:45 | 15:00 | 54.3 | 42.5 | 67.7 | |
| 08:00 | 15:00 | 55.2 | 44.8 | 69.6 | |
| 08:15 | 15:00 | 54.8 | 43.6 | 68.1 | |
| 08:30 | 15:00 | 56.7 | 42.9 | 79.1 | |
| 08:45 | 15:00 | 55.7 | 43.3 | 68.7 | |
| 09:00 | 15:00 | 55.3 | 46.2 | 67.2 | |
| 09:15 | 15:00 | 56.0 | 46.4 | 68.7 | |
| 09:30 | 15:00 | 55.6 | 47.1 | 67.3 | |
| 09:45 | 15:00 | 56.6 | 47.8 | 68.3 | |
| 10:00 | 15:00 | 56.8 | 48.4 | 68.3 | |
| 10:15 | 15:00 | 57.1 | 48.8 | 69.4 | |
| 10:30 | 15:00 | 57.2 | 48.7 | 73.9 | |
| 10:45 | 15:00 | 56.1 | 46.5 | 69.3 | |
| 11:00 | 15:00 | 57.2 | 49.3 | 76.0 | |
| 11:15 | 15:00 | 55.9 | 45.5 | 76.0 | |
| 11:30 | 15:00 | 56.3 | 50.1 | 65.0 | |
| 11:45 | 15:00 | 57.7 | 48.5 | 76.9 | |
| 12:00 | 15:00 | 57.0 | 49.0 | 69.9 | |
| 12:15 | 15:00 | 57.4 | 51.1 | 68.8 | |
| 12:30 | 15:00 | 57.2 | 50.6 | 67.5 | |
| 12:45 | 15:00 | 58.1 | 51.7 | 77.6 | |
| 13:00 | 15:00 | 57.7 | 50.6 | 69.0 | |
| 13:15 | 15:00 | 57.2 | 50.9 | 66.8 | |
| 13:30 | 15:00 | 56.9 | 50.1 | 69.7 | |
| 13:45 | 15:00 | 58.0 | 49.7 | 78.6 | |
| 14:00 | 15:00 | 56.3 | 47.6 | 65.2 | |
| 14:15 | 15:00 | 55.8 | 45.4 | 71.3 | |
| 14:30 | 15:00 | 55.8 | 47.4 | 72.3 | |
| 14:45 | 15:00 | 57.5 | 50.6 | 68.8 | |
| Log Average 0700-1500 | | 56.4 | 48.1 | 65-79 | |
| Average 0700-1500 | | 56.2 | 47.3 | 65-79 | |

Noise Survey Results

Date: Saturday 31st July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 33

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 59.6 | 46.6 | 83.5 | |
| 15:15 | 15:00 | 57.4 | 47.1 | 76.4 | |
| 15:30 | 15:00 | 55.8 | 45.2 | 64.5 | |
| 15:45 | 15:00 | 56.8 | 46.9 | 73.2 | |
| 16:00 | 15:00 | 55.9 | 45.9 | 68.9 | |
| 16:15 | 15:00 | 55.5 | 45.3 | 68.5 | |
| 16:30 | 15:00 | 55.8 | 44.6 | 67.6 | |
| 16:45 | 15:00 | 56.7 | 48.6 | 69.2 | |
| 17:00 | 15:00 | 56.3 | 46.9 | 71.0 | |
| 17:15 | 15:00 | 56.1 | 47.1 | 70.2 | |
| 17:30 | 15:00 | 56.0 | 46.3 | 71.5 | |
| 17:45 | 15:00 | 54.8 | 45.3 | 68.3 | |
| 18:00 | 15:00 | 56.7 | 47.3 | 73.8 | |
| 18:15 | 15:00 | 54.9 | 42.7 | 73.4 | |
| 18:30 | 15:00 | 55.8 | 44.5 | 71.5 | |
| 18:45 | 15:00 | 55.9 | 44.5 | 75.1 | |
| 19:00 | 15:00 | 59.1 | 47.0 | 77.5 | |
| 19:15 | 15:00 | 55.5 | 44.9 | 73.6 | |
| 19:30 | 15:00 | 54.9 | 44.7 | 68.1 | |
| 19:45 | 15:00 | 54.0 | 45.4 | 68.2 | |
| 20:00 | 15:00 | 52.6 | 43.1 | 66.3 | |
| 20:15 | 15:00 | 53.6 | 44.1 | 67.9 | |
| 20:30 | 15:00 | 56.6 | 44.5 | 78.1 | |
| 20:45 | 15:00 | 57.2 | 44.9 | 80.2 | |
| 21:00 | 15:00 | 53.0 | 44.8 | 71.2 | |
| 21:15 | 15:00 | 57.0 | 43.8 | 79.3 | |
| 21:30 | 15:00 | 52.0 | 41.7 | 65.6 | |
| 21:45 | 15:00 | 50.8 | 41.2 | 65.6 | |
| 22:00 | 15:00 | 52.2 | 41.6 | 65.9 | |
| 22:15 | 15:00 | 52.8 | 43.3 | 65.6 | |
| 22:30 | 15:00 | 51.3 | 44.1 | 67.8 | |
| 22:45 | 15:00 | 51.9 | 44.1 | 73.9 | |
| Log Average 1500-2300 | | 55.6 | 45.2 | 65-84 | |
| Average 1500-2300 | | 55.1 | 44.9 | 65-84 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 34

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 51.1 | 41.9 | 65.1 | |
| 23:15 | 15:00 | 50.6 | 43.3 | 67.8 | |
| 23:30 | 15:00 | 49.1 | 45.0 | 61.0 | |
| 23:45 | 15:00 | 50.8 | 40.1 | 71.1 | |
| 00:00 | 15:00 | 46.8 | 37.1 | 61.7 | |
| 00:15 | 15:00 | 47.0 | 36.3 | 61.7 | |
| 00:30 | 15:00 | 46.6 | 34.6 | 61.2 | |
| 00:45 | 15:00 | 48.4 | 41.0 | 65.5 | |
| 01:00 | 15:00 | 46.1 | 36.3 | 61.6 | |
| 01:15 | 15:00 | 49.5 | 35.7 | 71.8 | |
| 01:30 | 15:00 | 45.5 | 36.6 | 62.1 | |
| 01:45 | 15:00 | 46.8 | 38.1 | 70.8 | |
| 02:00 | 15:00 | 44.3 | 35.9 | 62.8 | |
| 02:15 | 15:00 | 42.5 | 32.5 | 65.0 | |
| 02:30 | 15:00 | 40.6 | 30.8 | 61.7 | |
| 02:45 | 15:00 | 46.7 | 32.4 | 63.0 | |
| 03:00 | 15:00 | 41.5 | 33.7 | 61.8 | |
| 03:15 | 15:00 | 42.2 | 32.5 | 59.6 | |
| 03:30 | 15:00 | 42.1 | 34.0 | 63.0 | |
| 03:45 | 15:00 | 45.2 | 35.7 | 64.2 | |
| 04:00 | 15:00 | 43.0 | 36.0 | 58.3 | |
| 04:15 | 15:00 | 51.2 | 35.3 | 76.7 | |
| 04:30 | 15:00 | 44.2 | 35.4 | 62.0 | |
| 04:45 | 15:00 | 42.0 | 35.0 | 63.4 | |
| 05:00 | 15:00 | 50.5 | 35.4 | 74.6 | |
| 05:15 | 15:00 | 49.7 | 34.6 | 71.0 | |
| 05:30 | 15:00 | 50.2 | 35.9 | 64.2 | |
| 05:45 | 15:00 | 50.3 | 36.4 | 68.4 | |
| 06:00 | 15:00 | 51.8 | 36.3 | 65.8 | |
| 06:15 | 15:00 | 50.5 | 38.9 | 65.8 | |
| 06:30 | 15:00 | 52.0 | 41.7 | 66.1 | |
| 06:45 | 15:00 | 52.2 | 38.9 | 73.3 | |
| Log Average 2300-0700 | | 48.4 | 38.0 | 58-77 | |
| Average 2300-0700 | | 47.2 | 36.7 | 58-77 | |
| Average 0700-2300 | | 56.0 | 46.9 | 65-84 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 35

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 52.2 | 41.3 | 64.1 | |
| 07:15 | 15:00 | 52.6 | 43.2 | 66.4 | |
| 07:30 | 15:00 | 53.3 | 40.9 | 66.8 | |
| 07:45 | 15:00 | 54.0 | 44.1 | 68.8 | |
| 08:00 | 15:00 | 55.8 | 44.7 | 78.5 | |
| 08:15 | 15:00 | 52.5 | 45.2 | 63.9 | |
| 08:30 | 15:00 | 54.5 | 44.8 | 65.6 | |
| 08:45 | 15:00 | 54.6 | 45.3 | 66.5 | |
| 09:00 | 15:00 | 54.9 | 44.6 | 66.6 | |
| 09:15 | 15:00 | 54.9 | 45.2 | 75.0 | |
| 09:30 | 15:00 | 55.5 | 45.2 | 68.2 | |
| 09:45 | 15:00 | 58.4 | 47.5 | 77.7 | |
| 10:00 | 15:00 | 55.8 | 44.7 | 67.0 | |
| 10:15 | 15:00 | 55.9 | 48.3 | 72.9 | |
| 10:30 | 15:00 | 57.3 | 50.0 | 75.6 | |
| 10:45 | 15:00 | 57.7 | 47.9 | 75.3 | |
| 11:00 | 15:00 | 56.5 | 48.5 | 67.4 | |
| 11:15 | 15:00 | 57.2 | 48.4 | 72.8 | |
| 11:30 | 15:00 | 56.2 | 46.7 | 69.6 | |
| 11:45 | 15:00 | 57.7 | 50.8 | 74.5 | |
| 12:00 | 15:00 | 59.1 | 49.7 | 79.6 | |
| 12:15 | 15:00 | 56.7 | 49.5 | 68.7 | |
| 12:30 | 15:00 | 57.2 | 49.9 | 75.1 | |
| 12:45 | 15:00 | 58.9 | 47.9 | 79.2 | |
| 13:00 | 15:00 | 55.9 | 46.8 | 69.5 | |
| 13:15 | 15:00 | 55.5 | 48.2 | 71.2 | |
| 13:30 | 15:00 | 56.2 | 45.2 | 71.0 | |
| 13:45 | 15:00 | 56.6 | 48.9 | 69.5 | |
| 14:00 | 15:00 | 55.5 | 47.7 | 65.5 | |
| 14:15 | 15:00 | 55.2 | 46.0 | 71.4 | |
| 14:30 | 15:00 | 54.1 | 42.2 | 67.2 | |
| 14:45 | 15:00 | 55.8 | 45.1 | 70.6 | |
| Log Average 0700-1500 | | 56.0 | 47.0 | 64-80 | |
| Average 0700-1500 | | 55.8 | 46.4 | 64-80 | |

Noise Survey Results

Date: Sunday 1st August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 36

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 56.6 | 46.8 | 72.2 | |
| 15:15 | 15:00 | 54.3 | 46.4 | 69.1 | |
| 15:30 | 15:00 | 58.8 | 47.0 | 83.9 | |
| 15:45 | 15:00 | 55.8 | 47.8 | 66.9 | |
| 16:00 | 15:00 | 54.7 | 45.2 | 68.8 | |
| 16:15 | 15:00 | 55.0 | 46.0 | 65.5 | |
| 16:30 | 15:00 | 55.2 | 44.7 | 71.8 | |
| 16:45 | 15:00 | 56.7 | 46.2 | 75.8 | |
| 17:00 | 15:00 | 63.4 | 46.4 | 89.2 | |
| 17:15 | 15:00 | 57.1 | 47.0 | 81.5 | |
| 17:30 | 15:00 | 54.4 | 43.0 | 67.9 | |
| 17:45 | 15:00 | 55.5 | 45.2 | 69.4 | |
| 18:00 | 15:00 | 55.2 | 46.2 | 66.5 | |
| 18:15 | 15:00 | 54.0 | 43.2 | 67.9 | |
| 18:30 | 15:00 | 56.0 | 42.8 | 76.7 | |
| 18:45 | 15:00 | 57.1 | 40.7 | 80.7 | |
| 19:00 | 15:00 | 55.1 | 42.2 | 73.3 | |
| 19:15 | 15:00 | 53.8 | 42.3 | 76.8 | |
| 19:30 | 15:00 | 53.6 | 42.8 | 64.3 | |
| 19:45 | 15:00 | 53.0 | 36.7 | 72.6 | |
| 20:00 | 15:00 | 54.3 | 40.3 | 69.6 | |
| 20:15 | 15:00 | 59.6 | 40.0 | 90.9 | |
| 20:30 | 15:00 | 52.9 | 39.3 | 72.5 | |
| 20:45 | 15:00 | 52.8 | 39.8 | 67.9 | |
| 21:00 | 15:00 | 51.7 | 37.8 | 69.1 | |
| 21:15 | 15:00 | 50.7 | 37.2 | 66.6 | |
| 21:30 | 15:00 | 50.9 | 37.6 | 66.0 | |
| 21:45 | 15:00 | 50.7 | 37.5 | 65.8 | |
| 22:00 | 15:00 | 50.0 | 36.9 | 64.7 | |
| 22:15 | 15:00 | 46.9 | 37.0 | 63.2 | |
| 22:30 | 15:00 | 49.0 | 36.4 | 64.9 | |
| 22:45 | 15:00 | 50.3 | 36.1 | 66.0 | |
| Log Average 1500-2300 | | 55.5 | 43.5 | 63-91 | |
| Average 1500-2300 | | 54.2 | 42.0 | 63-91 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**

TABLE 37

Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 49.7 | 34.9 | 68.2 | |
| 23:15 | 15:00 | 43.4 | 34.9 | 57.6 | |
| 23:30 | 15:00 | 50.6 | 36.9 | 67.3 | |
| 23:45 | 15:00 | 47.3 | 37.9 | 64.7 | |
| 00:00 | 15:00 | 41.9 | 39.0 | 56.4 | |
| 00:15 | 15:00 | 46.7 | 39.5 | 62.0 | |
| 00:30 | 15:00 | 43.4 | 38.2 | 59.8 | |
| 00:45 | 15:00 | 42.2 | 37.5 | 58.9 | |
| 01:00 | 15:00 | 42.8 | 38.0 | 60.0 | |
| 01:15 | 15:00 | 43.8 | 38.9 | 62.9 | |
| 01:30 | 15:00 | 43.0 | 38.0 | 60.0 | |
| 01:45 | 15:00 | 41.1 | 38.1 | 54.9 | |
| 02:00 | 15:00 | 43.0 | 38.1 | 61.5 | |
| 02:15 | 15:00 | 43.1 | 38.4 | 59.2 | |
| 02:30 | 15:00 | 50.8 | 41.8 | 75.3 | |
| 02:45 | 15:00 | 47.4 | 43.9 | 62.7 | |
| 03:00 | 15:00 | 49.8 | 43.2 | 68.9 | |
| 03:15 | 15:00 | 48.5 | 42.6 | 62.5 | |
| 03:30 | 15:00 | 48.7 | 42.2 | 66.8 | |
| 03:45 | 15:00 | 43.3 | 39.9 | 60.7 | |
| 04:00 | 15:00 | 47.5 | 40.9 | 66.2 | |
| 04:15 | 15:00 | 49.8 | 41.1 | 65.7 | |
| 04:30 | 15:00 | 48.0 | 40.9 | 61.6 | |
| 04:45 | 15:00 | 50.1 | 42.9 | 68.3 | |
| 05:00 | 15:00 | 54.2 | 44.9 | 72.3 | |
| 05:15 | 15:00 | 52.8 | 43.6 | 65.5 | |
| 05:30 | 15:00 | 53.8 | 41.5 | 66.9 | |
| 05:45 | 15:00 | 53.7 | 45.5 | 71.1 | |
| 06:00 | 15:00 | 57.8 | 49.8 | 67.0 | |
| 06:15 | 15:00 | 55.8 | 46.9 | 73.8 | |
| 06:30 | 15:00 | 56.4 | 47.5 | 69.6 | |
| 06:45 | 15:00 | 57.2 | 46.6 | 75.3 | |
| Log Average 2300-0700 | | 51.1 | 42.7 | 55-75 | |
| Average 2300-0700 | | 48.4 | 41.1 | 55-75 | |
| Average 0700-2300 | | 55.8 | 45.6 | 63-91 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 38

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 55.4 | 44.6 | 67.2 | |
| 07:15 | 15:00 | 56.4 | 45.3 | 76.7 | |
| 07:30 | 15:00 | 56.6 | 47.7 | 68.4 | |
| 07:45 | 15:00 | 57.2 | 48.0 | 67.7 | |
| 08:00 | 15:00 | 56.9 | 48.2 | 70.0 | |
| 08:15 | 15:00 | 56.2 | 45.8 | 68.1 | |
| 08:30 | 15:00 | 55.3 | 43.6 | 68.6 | |
| 08:45 | 15:00 | 59.8 | 47.2 | 85.8 | |
| 09:00 | 15:00 | 54.7 | 44.1 | 68.2 | |
| 09:15 | 15:00 | 56.9 | 47.4 | 70.0 | |
| 09:30 | 15:00 | 57.3 | 44.2 | 74.8 | |
| 09:45 | 15:00 | 56.6 | 46.1 | 68.7 | |
| 10:00 | 15:00 | 56.4 | 45.3 | 71.2 | |
| 10:15 | 15:00 | 56.0 | 46.6 | 72.7 | |
| 10:30 | 15:00 | 55.9 | 45.6 | 73.2 | |
| 10:45 | 15:00 | 56.0 | 46.8 | 69.4 | |
| 11:00 | 15:00 | 56.2 | 48.8 | 67.9 | |
| 11:15 | 15:00 | 55.5 | 47.7 | 67.8 | |
| 11:30 | 15:00 | 57.1 | 47.9 | 72.4 | |
| 11:45 | 15:00 | 56.8 | 48.3 | 77.1 | |
| 12:00 | 15:00 | 56.0 | 46.4 | 72.2 | |
| 12:15 | 15:00 | 56.3 | 46.7 | 68.5 | |
| 12:30 | 15:00 | 56.2 | 49.0 | 69.7 | |
| 12:45 | 15:00 | 56.0 | 48.2 | 68.9 | |
| 13:00 | 15:00 | 56.2 | 46.2 | 69.8 | |
| 13:15 | 15:00 | 57.5 | 49.5 | 72.6 | |
| 13:30 | 15:00 | 56.2 | 49.1 | 64.7 | |
| 13:45 | 15:00 | 56.3 | 47.4 | 71.1 | |
| 14:00 | 15:00 | 56.3 | 48.0 | 67.7 | |
| 14:15 | 15:00 | 55.8 | 47.0 | 65.9 | |
| 14:30 | 15:00 | 56.0 | 45.4 | 70.3 | |
| 14:45 | 15:00 | 56.5 | 49.0 | 67.5 | |
| Log Average 0700-1500 | | 56.4 | 47.1 | 65-86 | |
| Average 0700-1500 | | 56.4 | 46.9 | 65-86 | |

Noise Survey Results

Date: Monday 2nd August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**
Instrumentation: Cirrus 171A Real Time Analyser (G066350)
Calibration: 94dB

TABLE 39

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 56.8 | 47.1 | 70.2 | |
| 15:15 | 15:00 | 56.4 | 47.7 | 69.1 | |
| 15:30 | 15:00 | 56.1 | 48.5 | 68.3 | |
| 15:45 | 15:00 | 55.7 | 44.9 | 67.7 | |
| 16:00 | 15:00 | 56.3 | 46.9 | 71.9 | |
| 16:15 | 15:00 | 56.0 | 47.2 | 67.7 | |
| 16:30 | 15:00 | 57.1 | 49.7 | 68.7 | |
| 16:45 | 15:00 | 57.2 | 50.8 | 78.3 | |
| 17:00 | 15:00 | 57.2 | 50.2 | 70.7 | |
| 17:15 | 15:00 | 56.8 | 49.6 | 68.9 | |
| 17:30 | 15:00 | 56.2 | 48.4 | 66.0 | |
| 17:45 | 15:00 | 56.1 | 46.9 | 67.0 | |
| 18:00 | 15:00 | 56.7 | 48.5 | 70.2 | |
| 18:15 | 15:00 | 56.8 | 47.5 | 82.1 | |
| 18:30 | 15:00 | 55.3 | 44.5 | 68.2 | |
| 18:45 | 15:00 | 54.8 | 43.5 | 66.1 | |
| 19:00 | 15:00 | 54.2 | 41.7 | 69.2 | |
| 19:15 | 15:00 | 54.9 | 43.5 | 68.8 | |
| 19:30 | 15:00 | 54.8 | 39.9 | 74.9 | |
| 19:45 | 15:00 | 53.3 | 39.1 | 68.3 | |
| 20:00 | 15:00 | 53.5 | 39.8 | 68.9 | |
| 20:15 | 15:00 | 55.0 | 40.0 | 77.4 | |
| 20:30 | 15:00 | 53.4 | 40.8 | 65.6 | |
| 20:45 | 15:00 | 54.0 | 41.4 | 72.3 | |
| 21:00 | 15:00 | 55.4 | 41.5 | 71.0 | |
| 21:15 | 15:00 | 52.7 | 39.7 | 68.3 | |
| 21:30 | 15:00 | 52.3 | 40.7 | 65.8 | |
| 21:45 | 15:00 | 49.9 | 38.4 | 64.9 | |
| 22:00 | 15:00 | 49.7 | 37.8 | 64.8 | |
| 22:15 | 15:00 | 49.7 | 36.8 | 66.0 | |
| 22:30 | 15:00 | 49.0 | 36.2 | 64.2 | |
| 22:45 | 15:00 | 48.1 | 36.2 | 65.7 | |
| Log Average 1500-2300 | | 55.0 | 45.6 | 64-82 | |
| Average 1500-2300 | | 54.4 | 43.6 | 64-82 | |

Noise Survey Results

Date: Monday 2nd - Tuesday 3rd August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 2 - 3 Wern**

TABLE 40

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 49.1 | 41.2 | 67.6 | |
| 23:15 | 15:00 | 49.7 | 40.0 | 65.9 | |
| 23:30 | 15:00 | 48.8 | 41.0 | 62.2 | |
| 23:45 | 15:00 | 43.3 | 39.3 | 60.5 | |
| 00:00 | 15:00 | 47.0 | 36.6 | 65.6 | |
| 00:15 | 15:00 | 47.7 | 37.5 | 68.8 | |
| 00:30 | 15:00 | 43.6 | 36.2 | 61.6 | |
| 00:45 | 15:00 | 44.5 | 37.6 | 65.6 | |
| 01:00 | 15:00 | 49.8 | 43.1 | 70.6 | |
| 01:15 | 15:00 | 46.2 | 42.7 | 59.3 | |
| 01:30 | 15:00 | 42.7 | 37.0 | 61.7 | |
| 01:45 | 15:00 | 40.5 | 35.5 | 59.6 | |
| 02:00 | 15:00 | 47.9 | 38.0 | 66.1 | |
| 02:15 | 15:00 | 41.7 | 38.2 | 54.0 | |
| 02:30 | 15:00 | 45.8 | 41.2 | 63.8 | |
| 02:45 | 15:00 | 47.5 | 41.7 | 70.2 | |
| 03:00 | 15:00 | 43.6 | 39.2 | 59.9 | |
| 03:15 | 15:00 | 47.9 | 37.9 | 64.9 | |
| 03:30 | 15:00 | 46.4 | 39.0 | 65.0 | |
| 03:45 | 15:00 | 48.9 | 41.9 | 65.6 | |
| 04:00 | 15:00 | 49.0 | 41.6 | 64.2 | |
| 04:15 | 15:00 | 49.4 | 41.3 | 64.2 | |
| 04:30 | 15:00 | 49.3 | 41.5 | 65.8 | |
| 04:45 | 15:00 | 50.2 | 42.6 | 66.9 | |
| 05:00 | 15:00 | 52.1 | 40.0 | 70.3 | |
| 05:15 | 15:00 | 53.2 | 43.1 | 69.4 | |
| 05:30 | 15:00 | 55.9 | 44.2 | 68.5 | |
| 05:45 | 15:00 | 54.2 | 43.0 | 70.4 | |
| 06:00 | 15:00 | 55.5 | 42.4 | 66.1 | |
| 06:15 | 15:00 | 54.3 | 43.2 | 67.4 | |
| 06:30 | 15:00 | 55.8 | 45.1 | 69.0 | |
| 06:45 | 15:00 | 56.2 | 43.9 | 69.4 | |
| Log Average 2300-0700 | | 50.7 | 41.2 | 54-71 | |
| Average 2300-0700 | | 48.7 | 40.5 | 54-71 | |
| Average 0700-2300 | | 55.8 | 46.4 | 64-86 | |

Noise Survey Results

Date: Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 41

Client: Kronospan Ltd

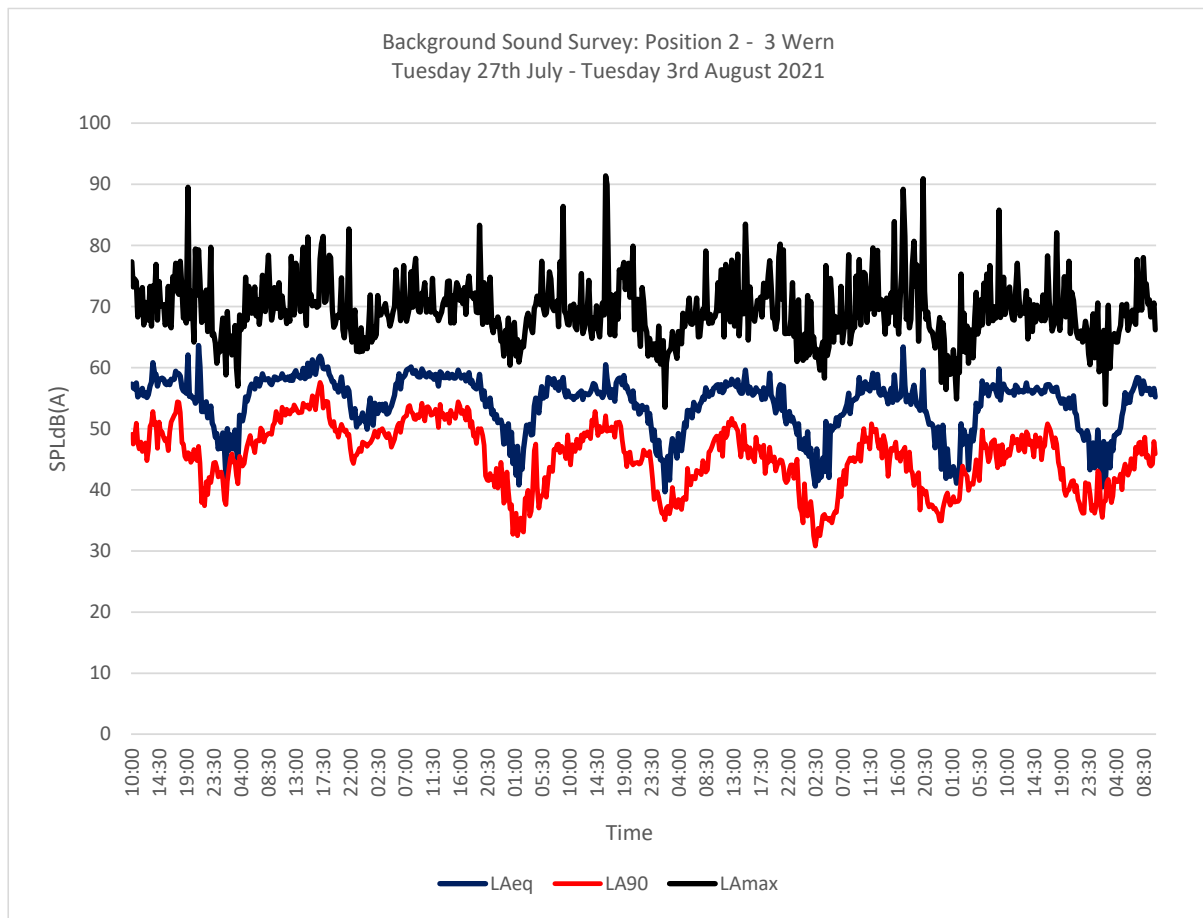
Project: **Baseline Sound Survey**

Data: **Position 2 - 3 Wern**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

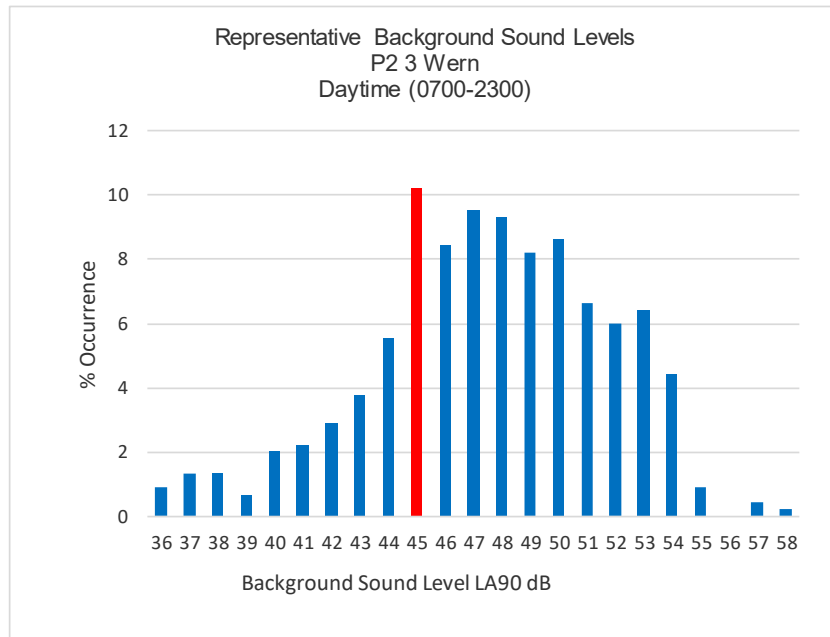
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 56.9 | 43.4 | 67.6 | |
| 07:15 | 15:00 | 57.7 | 47.0 | 67.1 | |
| 07:30 | 15:00 | 58.4 | 46.0 | 77.7 | |
| 07:45 | 15:00 | 58.3 | 47.7 | 69.4 | |
| 08:00 | 15:00 | 57.1 | 47.8 | 73.0 | |
| 08:15 | 15:00 | 55.7 | 45.8 | 69.4 | |
| 08:30 | 15:00 | 57.8 | 46.0 | 78.0 | |
| 08:45 | 15:00 | 56.9 | 48.6 | 72.7 | |
| 09:00 | 15:00 | 56.3 | 45.3 | 73.7 | |
| 09:15 | 15:00 | 56.4 | 45.6 | 70.4 | |
| 09:30 | 15:00 | 56.6 | 44.2 | 71.1 | |
| 09:45 | 15:00 | 55.6 | 43.9 | 68.3 | |
| 10:00 | 15:00 | 55.9 | 44.2 | 69.3 | |
| 10:15 | 15:00 | 56.6 | 47.9 | 70.6 | |
| 10:30 | 15:00 | 55.2 | 45.9 | 66.2 | |
| Log Average 0700-1045 | | 56.8 | 46.2 | 66-78 | |
| Average 0700-1045 | | 56.8 | 46.0 | 66-78 | |
| Overall Log Average | | 51.7 | 43.7 | 54-80 | With Rain |
| Overall Log Average | | 56.9 | 49.1 | 63-91 | With Rain |
| | | | | | |
| Overall Log Average | | 51.7 | 43.8 | 54-80 | No Rain |
| Overall Log Average | | 56.8 | 49 | 63-91 | No Rain |

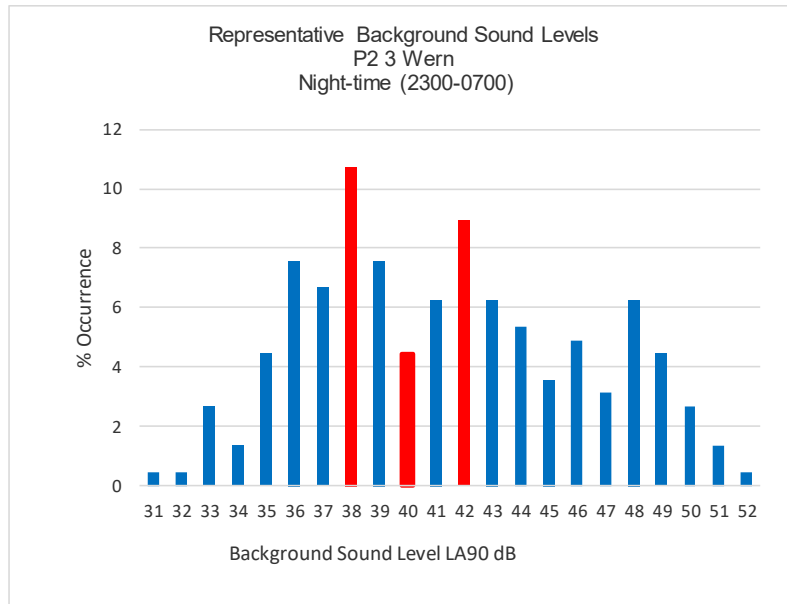


LA90 Representative Levels

| LA90 | % Occurrence |
|-----------|--------------|
| 36 | 0.9 |
| 37 | 1.3 |
| 38 | 1.3 |
| 39 | 0.7 |
| 40 | 2.0 |
| 41 | 2.2 |
| 42 | 2.9 |
| 43 | 3.8 |
| 44 | 5.5 |
| 45 | 10.2 |
| 46 | 8.4 |
| 47 | 9.5 |
| 48 | 9.3 |
| 49 | 8.2 |
| 50 | 8.6 |
| 51 | 6.7 |
| 52 | 6.0 |
| 53 | 6.4 |
| 54 | 4.4 |
| 55 | 0.9 |
| 56 | 0.0 |
| 57 | 0.4 |
| 58 | 0.2 |

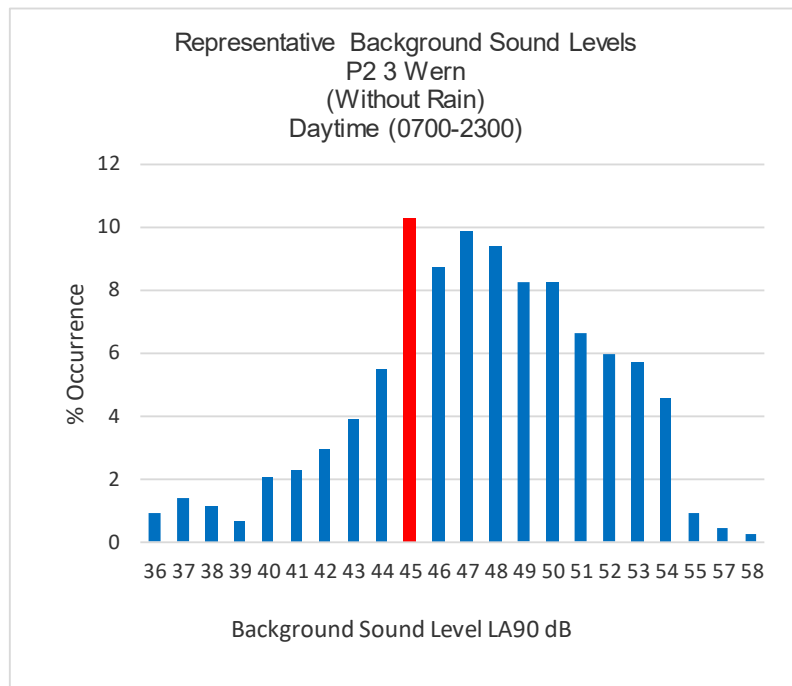


| LA90 | % Occurrence |
|-----------|--------------|
| 31 | 0.4 |
| 32 | 0.4 |
| 33 | 2.7 |
| 34 | 1.3 |
| 35 | 4.5 |
| 36 | 7.6 |
| 37 | 6.7 |
| 38 | 10.7 |
| 39 | 7.6 |
| 40 | 4.5 |
| 41 | 6.3 |
| 42 | 8.9 |
| 43 | 6.3 |
| 44 | 5.4 |
| 45 | 3.6 |
| 46 | 4.9 |
| 47 | 3.1 |
| 48 | 6.3 |
| 49 | 4.5 |
| 50 | 2.7 |
| 51 | 1.3 |
| 52 | 0.4 |



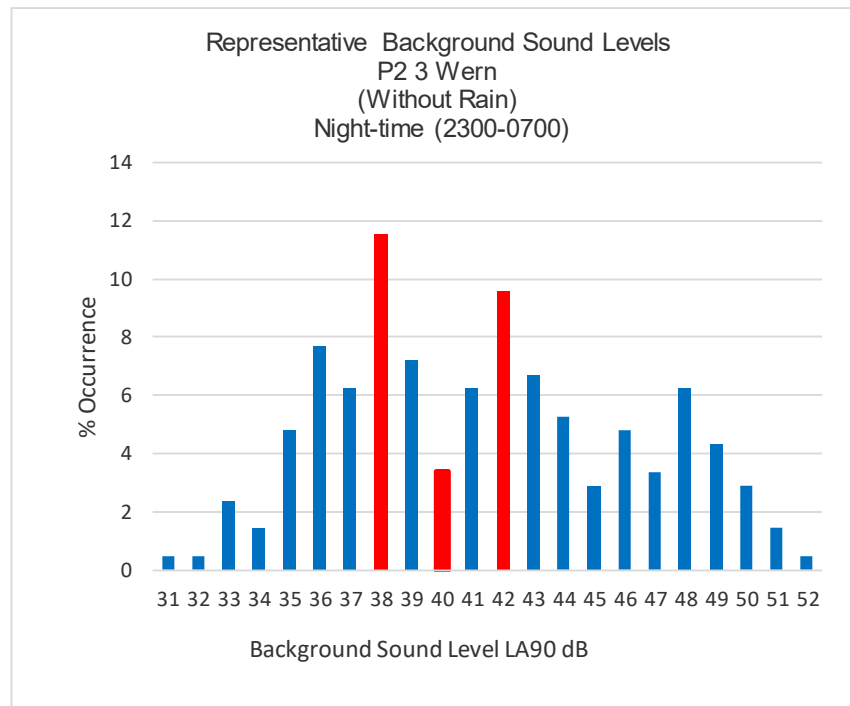
LA90 % Occurrence

| | |
|-----------|-------------|
| 36 | 0.9 |
| 37 | 1.4 |
| 38 | 1.1 |
| 39 | 0.7 |
| 40 | 2.1 |
| 41 | 2.3 |
| 42 | 3.0 |
| 43 | 3.9 |
| 44 | 5.5 |
| 45 | 10.3 |
| 46 | 8.7 |
| 47 | 9.8 |
| 48 | 9.4 |
| 49 | 8.2 |
| 50 | 8.2 |
| 51 | 6.6 |
| 52 | 5.9 |
| 53 | 5.7 |
| 54 | 4.6 |
| 55 | 0.9 |
| 57 | 0.5 |
| 58 | 0.2 |



LA90 % Occurrence

| | |
|-----------|-------------|
| 31 | 0.5 |
| 32 | 0.5 |
| 33 | 2.4 |
| 34 | 1.4 |
| 35 | 4.8 |
| 36 | 7.7 |
| 37 | 6.3 |
| 38 | 11.5 |
| 39 | 7.2 |
| 40 | 3.4 |
| 42 | 9.6 |
| 43 | 6.7 |
| 44 | 5.3 |
| 45 | 2.9 |
| 46 | 4.8 |
| 47 | 3.4 |
| 48 | 6.3 |
| 49 | 4.3 |
| 50 | 2.9 |
| 51 | 1.4 |
| 52 | 0.5 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 42

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 11:15 | 15:00 | 37.9 | 32.8 | 56.7 | |
| 11:30 | 15:00 | 37.6 | 33.1 | 60.0 | |
| 11:45 | 15:00 | 36.2 | 33.5 | 53.0 | |
| 12:00 | 15:00 | 36.1 | 32.8 | 55.8 | |
| 12:15 | 15:00 | 37.7 | 32.8 | 62.5 | |
| 12:30 | 15:00 | 36.3 | 30.0 | 57.5 | Rain |
| 12:45 | 15:00 | 38.6 | 34.3 | 56.6 | |
| 13:00 | 15:00 | 38.7 | 32.8 | 58.7 | |
| 13:15 | 15:00 | 41.0 | 36.4 | 60.8 | |
| 13:30 | 15:00 | 47.2 | 36.7 | 70.7 | |
| 13:45 | 15:00 | 38.3 | 37.3 | 50.8 | Rain |
| 14:00 | 15:00 | 36.8 | 35.8 | 51.6 | |
| 14:15 | 15:00 | 35.6 | 31.6 | 57.5 | |
| 14:30 | 15:00 | 36.8 | 32.5 | 60.3 | |
| 14:45 | 15:00 | 35.2 | 32.7 | 55.0 | |
| Log Average 1115-1500 | | 39.4 | 34.1 | 51-71 | |
| Average 1115-1500 | | 38.0 | 33.7 | 51-71 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 43

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 37.6 | 32.4 | 57.1 | Rain |
| 15:15 | 15:00 | 38.8 | 32.6 | 58.7 | |
| 15:30 | 15:00 | 36.2 | 31.8 | 56.3 | Rain |
| 15:45 | 15:00 | 38.3 | 32.0 | 57.2 | |
| 16:00 | 15:00 | 37.9 | 29.6 | 55.6 | |
| 16:15 | 15:00 | 36.1 | 31.8 | 47.4 | |
| 16:30 | 15:00 | 36.6 | 31.8 | 52.5 | |
| 16:45 | 15:00 | 37.2 | 34.6 | 53.2 | |
| 17:00 | 15:00 | 36.5 | 34.2 | 52.2 | |
| 17:15 | 15:00 | 37.0 | 30.7 | 49.5 | Rain |
| 17:30 | 15:00 | 40.3 | 34.6 | 61.3 | |
| 17:45 | 15:00 | 36.9 | 32.4 | 61.3 | |
| 18:00 | 15:00 | 37.7 | 35.3 | 56.5 | |
| 18:15 | 15:00 | 39.5 | 31.5 | 57.4 | |
| 18:30 | 15:00 | 36.9 | 32.9 | 51.9 | |
| 18:45 | 15:00 | 37.9 | 31.7 | 52.9 | |
| 19:00 | 15:00 | 36.9 | 32.1 | 57.9 | |
| 19:15 | 15:00 | 36.2 | 33.5 | 48.9 | |
| 19:30 | 15:00 | 35.9 | 32.7 | 52.7 | |
| 19:45 | 15:00 | 35.0 | 32.6 | 47.5 | |
| 20:00 | 15:00 | 37.1 | 33.3 | 54.8 | |
| 20:15 | 15:00 | 36.2 | 35.4 | 47.3 | |
| 20:30 | 15:00 | 38.6 | 33.5 | 57.1 | |
| 20:45 | 15:00 | 37.2 | 33.5 | 56.1 | |
| 21:00 | 15:00 | 53.7 | 37.5 | 72.6 | |
| 21:15 | 15:00 | 47.1 | 30.8 | 68.0 | Rain |
| 21:30 | 15:00 | 31.9 | 27.2 | 52.3 | Rain |
| 21:45 | 15:00 | 33.5 | 30.2 | 45.3 | |
| 22:00 | 15:00 | 31.8 | 28.5 | 48.3 | |
| 22:15 | 15:00 | 33.1 | 29.8 | 47.1 | |
| 22:30 | 15:00 | 34.0 | 30.2 | 47.0 | |
| 22:45 | 15:00 | 33.8 | 31.4 | 46.8 | |
| Log Average 1500-2300 | | 41.2 | 32.7 | 45-73 | |
| Average 1500-2300 | | 37.3 | 32.3 | 45-73 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 44

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 33.3 | 30.7 | 51.4 | |
| 23:15 | 15:00 | 33.0 | 30.8 | 39.1 | |
| 23:30 | 15:00 | 34.1 | 32.6 | 45.3 | |
| 23:45 | 15:00 | 34.0 | 32.9 | 39.5 | |
| 00:00 | 15:00 | 34.1 | 34.0 | 43.3 | |
| 00:15 | 15:00 | 32.0 | 30.6 | 52.6 | |
| 00:30 | 15:00 | 32.6 | 30.3 | 41.0 | |
| 00:45 | 15:00 | 32.8 | 31.4 | 38.4 | |
| 01:00 | 15:00 | 32.9 | 31.6 | 44.3 | |
| 01:15 | 15:00 | 31.2 | 29.8 | 51.5 | |
| 01:30 | 15:00 | 30.4 | 27.9 | 34.0 | |
| 01:45 | 15:00 | 33.6 | 30.5 | 44.9 | |
| 02:00 | 15:00 | 33.9 | 32.8 | 45.8 | |
| 02:15 | 15:00 | 36.4 | 34.1 | 44.0 | |
| 02:30 | 15:00 | 36.1 | 34.2 | 43.2 | |
| 02:45 | 15:00 | 34.9 | 32.9 | 39.9 | Rain |
| 03:00 | 15:00 | 35.8 | 34.4 | 42.2 | Rain |
| 03:15 | 15:00 | 34.4 | 32.8 | 38.5 | |
| 03:30 | 15:00 | 33.2 | 32.1 | 38.2 | |
| 03:45 | 15:00 | 36.3 | 33.8 | 46.1 | |
| 04:00 | 15:00 | 35.9 | 33.5 | 46.7 | |
| 04:15 | 15:00 | 36.1 | 33.1 | 45.7 | |
| 04:30 | 15:00 | 36.4 | 33.5 | 47.0 | |
| 04:45 | 15:00 | 37.8 | 34.6 | 53.1 | |
| 05:00 | 15:00 | 38.1 | 34.4 | 50.1 | |
| 05:15 | 15:00 | 39.4 | 35.0 | 51.4 | |
| 05:30 | 15:00 | 39.9 | 36.9 | 49.0 | |
| 05:45 | 15:00 | 39.7 | 36.2 | 55.2 | |
| 06:00 | 15:00 | 38.3 | 35.9 | 47.3 | |
| 06:15 | 15:00 | 38.8 | 33.4 | 52.2 | |
| 06:30 | 15:00 | 42.1 | 36.2 | 59.7 | |
| 06:45 | 15:00 | 40.3 | 36.3 | 56.6 | |
| Log Average 2300-0700 | | 36.5 | 33.5 | 34-60 | |
| Average 2300-0700 | | 35.5 | 33.1 | 34-60 | |
| Average 1115-2300 | | 40.7 | 33.3 | 45-73 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 45

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 39.1 | 35.0 | 49.9 | |
| 07:15 | 15:00 | 39.5 | 35.8 | 56.5 | |
| 07:30 | 15:00 | 38.7 | 37.2 | 55.0 | |
| 07:45 | 15:00 | 37.8 | 36.7 | 48.4 | |
| 08:00 | 15:00 | 40.1 | 36.2 | 58.4 | |
| 08:15 | 15:00 | 38.4 | 34.0 | 57.1 | |
| 08:30 | 15:00 | 40.2 | 35.3 | 60.1 | |
| 08:45 | 15:00 | 39.5 | 37.0 | 56.4 | |
| 09:00 | 15:00 | 39.5 | 36.8 | 50.9 | |
| 09:15 | 15:00 | 40.3 | 38.2 | 59.2 | |
| 09:30 | 15:00 | 39.7 | 37.5 | 54.1 | |
| 09:45 | 15:00 | 41.7 | 39.8 | 52.1 | |
| 10:00 | 15:00 | 40.6 | 38.6 | 52.7 | |
| 10:15 | 15:00 | 39.7 | 36.9 | 50.0 | |
| 10:30 | 15:00 | 42.4 | 38.6 | 62.9 | |
| 10:45 | 15:00 | 42.9 | 39.7 | 56.2 | |
| 11:00 | 15:00 | 42.5 | 40.8 | 53.6 | |
| 11:15 | 15:00 | 41.6 | 39.4 | 51.3 | |
| 11:30 | 15:00 | 42.0 | 39.8 | 54.4 | |
| 11:45 | 15:00 | 42.3 | 40.7 | 54.7 | |
| 12:00 | 15:00 | 41.4 | 39.3 | 52.4 | Rain |
| 12:15 | 15:00 | 41.6 | 39.6 | 62.9 | |
| 12:30 | 15:00 | 40.4 | 38.3 | 46.4 | Rain |
| 12:45 | 15:00 | 41.7 | 40.6 | 49.7 | |
| 13:00 | 15:00 | 42.4 | 40.3 | 54.0 | |
| 13:15 | 15:00 | 41.7 | 40.0 | 53.3 | |
| 13:30 | 15:00 | 41.8 | 39.8 | 55.1 | |
| 13:45 | 15:00 | 43.5 | 40.4 | 62.9 | |
| 14:00 | 15:00 | 41.4 | 40.2 | 55.0 | Rain |
| 14:15 | 15:00 | 41.7 | 40.6 | 53.0 | |
| 14:30 | 15:00 | 42.2 | 40.3 | 53.3 | |
| 14:45 | 15:00 | 43.2 | 41.2 | 57.2 | |
| Log Average 0700-1500 | | 41.2 | 38.9 | 46-63 | |
| Average 0700-1500 | | 41.0 | 38.6 | 46-83 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 46

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 43.4 | 41.4 | 54.8 | |
| 15:15 | 15:00 | 42.4 | 41.1 | 51.4 | |
| 15:30 | 15:00 | 41.9 | 40.2 | 53.1 | |
| 15:45 | 15:00 | 43.5 | 40.2 | 53.1 | |
| 16:00 | 15:00 | 43.2 | 39.8 | 56.7 | |
| 16:15 | 15:00 | 42.1 | 41.3 | 50.0 | |
| 16:30 | 15:00 | 42.8 | 42.4 | 54.7 | |
| 16:45 | 15:00 | 43.4 | 42.9 | 55.2 | |
| 17:00 | 15:00 | 44.8 | 43.4 | 53.6 | |
| 17:15 | 15:00 | 42.2 | 41.9 | 54.8 | |
| 17:30 | 15:00 | 40.1 | 37.0 | 59.8 | Rain |
| 17:45 | 15:00 | 40.1 | 40.5 | 53.9 | |
| 18:00 | 15:00 | 42.2 | 39.2 | 54.7 | |
| 18:15 | 15:00 | 43.0 | 40.6 | 61.3 | |
| 18:30 | 15:00 | 42.2 | 38.8 | 58.1 | |
| 18:45 | 15:00 | 42.0 | 37.4 | 59.0 | |
| 19:00 | 15:00 | 40.4 | 36.9 | 51.9 | |
| 19:15 | 15:00 | 41.7 | 39.0 | 58.2 | |
| 19:30 | 15:00 | 40.9 | 38.0 | 56.6 | |
| 19:45 | 15:00 | 40.9 | 38.5 | 54.7 | |
| 20:00 | 15:00 | 39.4 | 36.1 | 48.0 | |
| 20:15 | 15:00 | 39.4 | 36.4 | 46.5 | |
| 20:30 | 15:00 | 41.1 | 38.5 | 51.4 | |
| 20:45 | 15:00 | 40.9 | 38.8 | 52.9 | Rain |
| 21:00 | 15:00 | 40.1 | 38.8 | 49.5 | Rain |
| 21:15 | 15:00 | 40.1 | 38.5 | 46.8 | |
| 21:30 | 15:00 | 42.2 | 38.3 | 60.7 | |
| 21:45 | 15:00 | 40.2 | 37.5 | 48.3 | |
| 22:00 | 15:00 | 38.8 | 35.3 | 50.0 | |
| 22:15 | 15:00 | 37.0 | 34.8 | 44.7 | |
| 22:30 | 15:00 | 35.5 | 33.6 | 44.4 | |
| 22:45 | 15:00 | 36.2 | 34.3 | 47.8 | |
| Log Average 1500-2300 | | 41.4 | 39.4 | 44-61 | |
| Average 1500-2300 | | 41.1 | 38.8 | 44-61 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 47

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 36.4 | 34.7 | 44.2 | |
| 23:15 | 15:00 | 37.2 | 34.4 | 49.1 | |
| 23:30 | 15:00 | 37.2 | 35.4 | 45.6 | |
| 23:45 | 15:00 | 38.1 | 35.1 | 46.5 | |
| 00:00 | 15:00 | 39.6 | 36.9 | 46.1 | |
| 00:15 | 15:00 | 39.3 | 37.4 | 45.9 | |
| 00:30 | 15:00 | 38.8 | 36.6 | 46.9 | |
| 00:45 | 15:00 | 38.5 | 36.4 | 47.3 | |
| 01:00 | 15:00 | 40.5 | 36.4 | 51.5 | |
| 01:15 | 15:00 | 40.9 | 37.5 | 51.9 | |
| 01:30 | 15:00 | 39.5 | 36.3 | 50.8 | |
| 01:45 | 15:00 | 39.2 | 37.7 | 45.8 | |
| 02:00 | 15:00 | 41.4 | 37.7 | 52.7 | |
| 02:15 | 15:00 | 40.8 | 38.8 | 50.7 | |
| 02:30 | 15:00 | 40.0 | 38.4 | 52.1 | Rain |
| 02:45 | 15:00 | 40.8 | 39.3 | 49.3 | |
| 03:00 | 15:00 | 41.0 | 39.1 | 48.1 | |
| 03:15 | 15:00 | 41.4 | 38.9 | 49.6 | |
| 03:30 | 15:00 | 40.8 | 38.2 | 49.4 | |
| 03:45 | 15:00 | 40.4 | 38.9 | 47.2 | |
| 04:00 | 15:00 | 40.3 | 39.0 | 49.7 | |
| 04:15 | 15:00 | 40.1 | 38.7 | 48.8 | |
| 04:30 | 15:00 | 40.2 | 37.6 | 49.0 | |
| 04:45 | 15:00 | 38.6 | 35.8 | 46.1 | |
| 05:00 | 15:00 | 39.8 | 36.1 | 50.3 | |
| 05:15 | 15:00 | 41.0 | 37.0 | 50.4 | |
| 05:30 | 15:00 | 41.2 | 37.1 | 53.0 | |
| 05:45 | 15:00 | 42.1 | 38.2 | 50.1 | |
| 06:00 | 15:00 | 43.1 | 40.3 | 56.2 | |
| 06:15 | 15:00 | 41.7 | 38.2 | 51.6 | |
| 06:30 | 15:00 | 42.8 | 38.6 | 54.6 | |
| 06:45 | 15:00 | 42.8 | 40.3 | 53.0 | |
| Log Average 2300-0700 | | 40.4 | 37.7 | 44-56 | |
| Average 2300-0700 | | 40.2 | 37.5 | 44-56 | |
| Average 0700-2300 | | 41.3 | 39.2 | 44-63 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 48

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 42.5 | 38.3 | 55.0 | |
| 07:15 | 15:00 | 43.4 | 41.4 | 57.1 | |
| 07:30 | 15:00 | 43.2 | 39.8 | 53.2 | |
| 07:45 | 15:00 | 43.1 | 41.9 | 50.6 | |
| 08:00 | 15:00 | 42.8 | 39.5 | 52.6 | |
| 08:15 | 15:00 | 41.3 | 40.2 | 48.9 | |
| 08:30 | 15:00 | 42.9 | 41.5 | 54.5 | |
| 08:45 | 15:00 | 43.0 | 38.7 | 55.8 | |
| 09:00 | 15:00 | 41.3 | 38.6 | 51.3 | |
| 09:15 | 15:00 | 42.5 | 39.7 | 67.1 | |
| 09:30 | 15:00 | 42.0 | 39.0 | 59.5 | |
| 09:45 | 15:00 | 43.0 | 40.4 | 63.4 | |
| 10:00 | 15:00 | 42.5 | 39.7 | 56.5 | |
| 10:15 | 15:00 | 40.7 | 36.9 | 53.0 | |
| 10:30 | 15:00 | 41.8 | 36.6 | 62.0 | |
| 10:45 | 15:00 | 42.4 | 39.5 | 59.8 | |
| 11:00 | 15:00 | 41.8 | 39.0 | 54.3 | |
| 11:15 | 15:00 | 41.6 | 39.0 | 54.1 | |
| 11:30 | 15:00 | 41.1 | 38.4 | 55.6 | |
| 11:45 | 15:00 | 41.9 | 39.5 | 58.7 | |
| 12:00 | 15:00 | 41.1 | 38.6 | 51.1 | |
| 12:15 | 15:00 | 41.0 | 39.0 | 49.0 | |
| 12:30 | 15:00 | 40.4 | 38.6 | 48.0 | |
| 12:45 | 15:00 | 41.7 | 39.3 | 51.1 | |
| 13:00 | 15:00 | 41.3 | 39.6 | 55.0 | |
| 13:15 | 15:00 | 41.7 | 39.4 | 52.1 | |
| 13:30 | 15:00 | 43.9 | 38.1 | 64.0 | |
| 13:45 | 15:00 | 40.8 | 38.4 | 56.1 | |
| 14:00 | 15:00 | 41.7 | 37.5 | 57.9 | |
| 14:15 | 15:00 | 46.0 | 37.1 | 66.9 | |
| 14:30 | 15:00 | 41.4 | 38.6 | 49.9 | |
| 14:45 | 15:00 | 42.2 | 39.1 | 61.2 | |
| Log Average 0700-1500 | | 42.2 | 39.2 | 48-67 | |
| Average 0700-1500 | | 42.1 | 39.1 | 48-67 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 49

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 40.6 | 38.7 | 52.6 | |
| 15:15 | 15:00 | 44.9 | 38.4 | 64.7 | |
| 15:30 | 15:00 | 41.2 | 38.2 | 63.2 | |
| 15:45 | 15:00 | 42.2 | 39.4 | 59.8 | |
| 16:00 | 15:00 | 41.9 | 39.2 | 54.8 | |
| 16:15 | 15:00 | 41.2 | 38.8 | 51.3 | |
| 16:30 | 15:00 | 40.3 | 37.1 | 50.9 | |
| 16:45 | 15:00 | 40.9 | 39.0 | 56.8 | |
| 17:00 | 15:00 | 39.0 | 38.0 | 47.0 | |
| 17:15 | 15:00 | 40.1 | 40.1 | 47.5 | |
| 17:30 | 15:00 | 43.1 | 36.7 | 61.8 | |
| 17:45 | 15:00 | 44.6 | 37.5 | 63.1 | |
| 18:00 | 15:00 | 38.8 | 36.8 | 48.1 | |
| 18:15 | 15:00 | 38.6 | 35.9 | 51.5 | |
| 18:30 | 15:00 | 39.4 | 35.7 | 60.3 | |
| 18:45 | 15:00 | 40.2 | 36.7 | 59.6 | |
| 19:00 | 15:00 | 40.8 | 39.2 | 51.1 | |
| 19:15 | 15:00 | 40.1 | 37.2 | 53.3 | |
| 19:30 | 15:00 | 40.0 | 36.7 | 55.3 | |
| 19:45 | 15:00 | 41.2 | 36.2 | 56.2 | |
| 20:00 | 15:00 | 39.5 | 35.7 | 53.3 | |
| 20:15 | 15:00 | 35.9 | 32.4 | 49.1 | |
| 20:30 | 15:00 | 36.9 | 32.6 | 50.9 | |
| 20:45 | 15:00 | 35.3 | 32.0 | 48.7 | |
| 21:00 | 15:00 | 35.6 | 33.3 | 49.9 | |
| 21:15 | 15:00 | 38.7 | 31.7 | 60.8 | |
| 21:30 | 15:00 | 33.6 | 31.0 | 47.7 | |
| 21:45 | 15:00 | 34.4 | 31.1 | 52.8 | |
| 22:00 | 15:00 | 34.3 | 32.0 | 44.2 | |
| 22:15 | 15:00 | 32.8 | 30.1 | 47.9 | |
| 22:30 | 15:00 | 33.4 | 30.8 | 45.4 | |
| 22:45 | 15:00 | 34.5 | 31.7 | 42.6 | |
| Log Average 1500-2300 | | 39.9 | 36.5 | 43-65 | |
| Average 1500-2300 | | 38.9 | 35.6 | 43-65 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 50

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 34.3 | 32.4 | 42.8 | |
| 23:15 | 15:00 | 32.3 | 29.9 | 44.4 | |
| 23:30 | 15:00 | 33.3 | 28.8 | 53.3 | |
| 23:45 | 15:00 | 37.2 | 33.0 | 59.6 | |
| 00:00 | 15:00 | 32.7 | 29.0 | 52.4 | Rain |
| 00:15 | 15:00 | 30.4 | 28.6 | 49.3 | Rain |
| 00:30 | 15:00 | 33.3 | 29.5 | 51.8 | |
| 00:45 | 15:00 | 28.9 | 26.5 | 37.8 | Rain |
| 01:00 | 15:00 | 31.1 | 28.9 | 42.0 | |
| 01:15 | 15:00 | 29.5 | 28.0 | 39.9 | |
| 01:30 | 15:00 | 29.6 | 26.0 | 45.9 | |
| 01:45 | 15:00 | 28.3 | 27.3 | 40.4 | |
| 02:00 | 15:00 | 29.6 | 28.3 | 43.6 | |
| 02:15 | 15:00 | 28.4 | 26.3 | 43.5 | |
| 02:30 | 15:00 | 30.5 | 26.5 | 50.2 | |
| 02:45 | 15:00 | 35.2 | 29.8 | 57.8 | |
| 03:00 | 15:00 | 34.9 | 28.5 | 51.3 | Rain |
| 03:15 | 15:00 | 38.2 | 30.0 | 58.8 | Rain |
| 03:30 | 15:00 | 32.3 | 27.0 | 47.3 | Rain |
| 03:45 | 15:00 | 33.6 | 27.1 | 49.6 | Rain |
| 04:00 | 15:00 | 36.3 | 29.0 | 54.9 | Rain |
| 04:15 | 15:00 | 41.8 | 39.1 | 55.6 | Rain |
| 04:30 | 15:00 | 42.0 | 36.7 | 62.2 | Rain |
| 04:45 | 15:00 | 38.8 | 31.5 | 56.7 | Rain |
| 05:00 | 15:00 | 31.5 | 26.5 | 49.3 | |
| 05:15 | 15:00 | 33.0 | 27.6 | 49.1 | |
| 05:30 | 15:00 | 35.4 | 29.3 | 52.6 | Rain |
| 05:45 | 15:00 | 35.7 | 30.4 | 48.1 | |
| 06:00 | 15:00 | 38.6 | 30.1 | 56.9 | |
| 06:15 | 15:00 | 34.4 | 29.1 | 46.1 | |
| 06:30 | 15:00 | 35.9 | 31.7 | 45.8 | |
| 06:45 | 15:00 | 36.4 | 31.7 | 54.6 | Rain |
| Log Average 2300-0700 | | 35.4 | 30.8 | 38-62 | |
| Average 2300-0700 | | 33.8 | 29.5 | 38-62 | |
| Average 0700-2300 | | 41.1 | 37.9 | 43-67 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 51

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 39.0 | 31.8 | 54.8 | |
| 07:15 | 15:00 | 36.4 | 31.4 | 49.4 | |
| 07:30 | 15:00 | 37.9 | 34.3 | 49.4 | |
| 07:45 | 15:00 | 38.4 | 32.6 | 53.0 | |
| 08:00 | 15:00 | 39.0 | 35.6 | 57.2 | |
| 08:15 | 15:00 | 38.6 | 34.8 | 60.3 | |
| 08:30 | 15:00 | 37.6 | 34.1 | 53.8 | |
| 08:45 | 15:00 | 38.8 | 34.6 | 59.2 | |
| 09:00 | 15:00 | 38.5 | 35.4 | 57.0 | |
| 09:15 | 15:00 | 39.2 | 34.8 | 67.2 | |
| 09:30 | 15:00 | 37.2 | 34.8 | 51.6 | |
| 09:45 | 15:00 | 38.1 | 34.2 | 58.2 | |
| 10:00 | 15:00 | 38.9 | 34.1 | 58.5 | |
| 10:15 | 15:00 | 38.6 | 32.2 | 52.3 | |
| 10:30 | 15:00 | 39.1 | 32.7 | 58.0 | |
| 10:45 | 15:00 | 41.6 | 33.6 | 64.6 | |
| 11:00 | 15:00 | 37.9 | 34.2 | 52.5 | |
| 11:15 | 15:00 | 37.7 | 34.9 | 48.1 | |
| 11:30 | 15:00 | 38.2 | 34.3 | 49.4 | |
| 11:45 | 15:00 | 38.9 | 35.5 | 51.2 | |
| 12:00 | 15:00 | 39.6 | 36.2 | 51.8 | |
| 12:15 | 15:00 | 39.9 | 36.3 | 62.8 | |
| 12:30 | 15:00 | 39.9 | 36.0 | 47.2 | |
| 12:45 | 15:00 | 39.5 | 35.2 | 47.5 | |
| 13:00 | 15:00 | 39.5 | 36.8 | 46.7 | |
| 13:15 | 15:00 | 39.4 | 36.2 | 52.2 | |
| 13:30 | 15:00 | 38.9 | 36.3 | 51.4 | |
| 13:45 | 15:00 | 40.6 | 37.5 | 57.5 | |
| 14:00 | 15:00 | 41.8 | 36.0 | 59.6 | |
| 14:15 | 15:00 | 41.8 | 36.1 | 60.5 | |
| 14:30 | 15:00 | 40.5 | 37.4 | 55.1 | |
| 14:45 | 15:00 | 39.6 | 35.6 | 50.8 | |
| Log Average 0700-1500 | | 39.2 | 35.0 | 47-67 | |
| Average 0700-1500 | | 39.1 | 34.8 | 47-67 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 52

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 39.9 | 38.2 | 50.9 | |
| 15:15 | 15:00 | 39.4 | 36.7 | 50.3 | |
| 15:30 | 15:00 | 39.8 | 36.4 | 58.4 | |
| 15:45 | 15:00 | 40.7 | 38.6 | 53.8 | |
| 16:00 | 15:00 | 40.5 | 37.4 | 55.1 | |
| 16:15 | 15:00 | 40.1 | 36.9 | 49.4 | |
| 16:30 | 15:00 | 41.1 | 36.6 | 52.5 | |
| 16:45 | 15:00 | 41.5 | 36.1 | 56.0 | |
| 17:00 | 15:00 | 40.1 | 37.5 | 54.5 | |
| 17:15 | 15:00 | 40.9 | 34.7 | 59.8 | |
| 17:30 | 15:00 | 39.4 | 36.1 | 49.6 | |
| 17:45 | 15:00 | 40.9 | 36.1 | 60.7 | |
| 18:00 | 15:00 | 40.6 | 35.0 | 57.4 | |
| 18:15 | 15:00 | 39.7 | 34.9 | 57.2 | |
| 18:30 | 15:00 | 39.0 | 35.6 | 53.9 | |
| 18:45 | 15:00 | 39.9 | 32.7 | 60.3 | |
| 19:00 | 15:00 | 38.5 | 34.8 | 54.7 | |
| 19:15 | 15:00 | 38.2 | 33.4 | 53.8 | |
| 19:30 | 15:00 | 37.3 | 31.9 | 51.8 | |
| 19:45 | 15:00 | 37.4 | 33.4 | 51.6 | |
| 20:00 | 15:00 | 37.6 | 33.1 | 49.5 | |
| 20:15 | 15:00 | 37.0 | 33.7 | 50.5 | |
| 20:30 | 15:00 | 37.8 | 32.6 | 59.0 | |
| 20:45 | 15:00 | 36.4 | 33.5 | 47.2 | |
| 21:00 | 15:00 | 38.0 | 34.6 | 56.6 | |
| 21:15 | 15:00 | 36.1 | 35.3 | 42.5 | |
| 21:30 | 15:00 | 39.3 | 32.8 | 59.5 | |
| 21:45 | 15:00 | 36.9 | 34.0 | 54.2 | |
| 22:00 | 15:00 | 37.2 | 33.2 | 51.3 | |
| 22:15 | 15:00 | 37.4 | 34.5 | 48.2 | |
| 22:30 | 15:00 | 37.7 | 34.1 | 49.8 | |
| 22:45 | 15:00 | 38.2 | 34.5 | 47.9 | |
| Log Average 1500-2300 | | 39.1 | 35.3 | 43-61 | |
| Average 1500-2300 | | 38.9 | 35.0 | 43-61 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 53

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 37.2 | 34.4 | 50.3 | |
| 23:15 | 15:00 | 37.8 | 35.3 | 44.8 | |
| 23:30 | 15:00 | 37.2 | 33.1 | 52.9 | |
| 23:45 | 15:00 | 35.3 | 31.2 | 53.0 | |
| 00:00 | 15:00 | 32.9 | 30.1 | 43.0 | |
| 00:15 | 15:00 | 32.4 | 29.8 | 41.8 | |
| 00:30 | 15:00 | 32.7 | 30.1 | 40.0 | |
| 00:45 | 15:00 | 33.2 | 30.2 | 43.0 | |
| 01:00 | 15:00 | 31.5 | 29.6 | 40.8 | |
| 01:15 | 15:00 | 30.8 | 28.9 | 43.2 | |
| 01:30 | 15:00 | 31.0 | 28.5 | 38.7 | |
| 01:45 | 15:00 | 29.7 | 26.8 | 35.0 | |
| 02:00 | 15:00 | 31.0 | 28.8 | 38.6 | |
| 02:15 | 15:00 | 31.2 | 29.2 | 38.8 | |
| 02:30 | 15:00 | 30.6 | 29.3 | 42.7 | |
| 02:45 | 15:00 | 32.0 | 28.9 | 45.9 | |
| 03:00 | 15:00 | 34.6 | 31.6 | 44.1 | |
| 03:15 | 15:00 | 33.4 | 29.5 | 45.7 | |
| 03:30 | 15:00 | 32.3 | 29.8 | 43.3 | |
| 03:45 | 15:00 | 32.7 | 28.7 | 49.1 | |
| 04:00 | 15:00 | 33.3 | 29.8 | 44.0 | |
| 04:15 | 15:00 | 33.0 | 28.8 | 46.0 | |
| 04:30 | 15:00 | 31.8 | 29.5 | 43.5 | |
| 04:45 | 15:00 | 33.5 | 30.9 | 47.2 | |
| 05:00 | 15:00 | 33.5 | 30.8 | 41.6 | |
| 05:15 | 15:00 | 34.2 | 30.3 | 47.2 | |
| 05:30 | 15:00 | 37.5 | 34.5 | 50.1 | |
| 05:45 | 15:00 | 36.8 | 32.3 | 52.0 | |
| 06:00 | 15:00 | 37.2 | 33.1 | 53.9 | |
| 06:15 | 15:00 | 35.8 | 33.0 | 43.8 | |
| 06:30 | 15:00 | 36.3 | 33.0 | 45.2 | |
| 06:45 | 15:00 | 39.0 | 33.7 | 55.0 | |
| Log Average 2300-0700 | | 34.5 | 31.2 | 35-55 | |
| Average 2300-0700 | | 33.8 | 30.7 | 35-55 | |
| Average 0700-2300 | | 39.2 | 35.2 | 43-67 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 54

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 36.5 | 33.6 | 53.2 | |
| 07:15 | 15:00 | 36.2 | 33.3 | 48.2 | |
| 07:30 | 15:00 | 36.5 | 32.7 | 51.5 | |
| 07:45 | 15:00 | 36.6 | 34.4 | 49.8 | |
| 08:00 | 15:00 | 38.9 | 34.7 | 57.0 | |
| 08:15 | 15:00 | 35.8 | 34.4 | 47.2 | |
| 08:30 | 15:00 | 36.0 | 32.9 | 52.1 | |
| 08:45 | 15:00 | 36.9 | 33.7 | 56.4 | |
| 09:00 | 15:00 | 36.8 | 33.9 | 46.2 | |
| 09:15 | 15:00 | 36.8 | 34.6 | 48.6 | |
| 09:30 | 15:00 | 37.1 | 34.3 | 54.1 | |
| 09:45 | 15:00 | 37.5 | 34.6 | 51.7 | |
| 10:00 | 15:00 | 40.9 | 35.3 | 58.3 | |
| 10:15 | 15:00 | 42.3 | 35.1 | 59.4 | |
| 10:30 | 15:00 | 38.4 | 34.2 | 57.6 | |
| 10:45 | 15:00 | 38.2 | 34.5 | 56.4 | |
| 11:00 | 15:00 | 39.1 | 33.0 | 57.1 | |
| 11:15 | 15:00 | 39.3 | 32.0 | 59.9 | |
| 11:30 | 15:00 | 38.9 | 32.9 | 60.3 | |
| 11:45 | 15:00 | 41.2 | 35.1 | 59.3 | |
| 12:00 | 15:00 | 37.2 | 34.7 | 54.9 | |
| 12:15 | 15:00 | 38.0 | 36.4 | 46.9 | |
| 12:30 | 15:00 | 38.5 | 35.6 | 47.5 | |
| 12:45 | 15:00 | 39.5 | 37.7 | 51.1 | |
| 13:00 | 15:00 | 38.9 | 37.1 | 46.9 | |
| 13:15 | 15:00 | 39.9 | 38.0 | 57.0 | |
| 13:30 | 15:00 | 37.5 | 34.9 | 48.9 | |
| 13:45 | 15:00 | 39.0 | 35.1 | 51.9 | |
| 14:00 | 15:00 | 39.2 | 35.3 | 57.9 | |
| 14:15 | 15:00 | 40.4 | 32.8 | 57.6 | |
| 14:30 | 15:00 | 38.1 | 35.1 | 60.5 | |
| 14:45 | 15:00 | 37.6 | 34.2 | 52.4 | |
| Log Average 0700-1500 | | 38.5 | 34.7 | 46-61 | |
| Average 0700-1500 | | 38.2 | 34.6 | 46-61 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 55

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 37.8 | 33.7 | 50.5 | |
| 15:15 | 15:00 | 36.2 | 32.3 | 47.9 | |
| 15:30 | 15:00 | 38.5 | 32.5 | 58.2 | |
| 15:45 | 15:00 | 36.8 | 34.0 | 58.2 | |
| 16:00 | 15:00 | 38.3 | 33.2 | 59.1 | |
| 16:15 | 15:00 | 35.1 | 30.4 | 51.2 | |
| 16:30 | 15:00 | 34.7 | 30.3 | 48.5 | |
| 16:45 | 15:00 | 34.9 | 32.4 | 55.1 | |
| 17:00 | 15:00 | 39.3 | 32.0 | 59.1 | |
| 17:15 | 15:00 | 35.1 | 32.2 | 45.7 | |
| 17:30 | 15:00 | 41.7 | 32.8 | 68.9 | |
| 17:45 | 15:00 | 37.4 | 33.4 | 58.4 | |
| 18:00 | 15:00 | 35.8 | 34.0 | 47.9 | |
| 18:15 | 15:00 | 34.6 | 33.3 | 46.8 | |
| 18:30 | 15:00 | 37.3 | 34.2 | 53.7 | |
| 18:45 | 15:00 | 36.1 | 32.4 | 56.2 | |
| 19:00 | 15:00 | 37.1 | 35.1 | 54.5 | |
| 19:15 | 15:00 | 38.2 | 35.4 | 57.3 | |
| 19:30 | 15:00 | 37.2 | 34.5 | 54.1 | |
| 19:45 | 15:00 | 36.4 | 33.0 | 48.0 | |
| 20:00 | 15:00 | 36.2 | 32.8 | 47.9 | |
| 20:15 | 15:00 | 37.4 | 32.8 | 53.4 | |
| 20:30 | 15:00 | 36.8 | 34.6 | 47.6 | |
| 20:45 | 15:00 | 36.8 | 34.1 | 44.4 | |
| 21:00 | 15:00 | 36.7 | 34.7 | 47.3 | |
| 21:15 | 15:00 | 36.4 | 33.8 | 50.1 | |
| 21:30 | 15:00 | 35.3 | 32.4 | 49.5 | |
| 21:45 | 15:00 | 33.8 | 32.0 | 47.3 | |
| 22:00 | 15:00 | 34.3 | 31.8 | 45.1 | |
| 22:15 | 15:00 | 37.5 | 32.9 | 54.9 | |
| 22:30 | 15:00 | 36.3 | 34.3 | 42.7 | |
| 22:45 | 15:00 | 36.3 | 34.3 | 44.6 | |
| Log Average 1500-2300 | | 36.9 | 33.3 | 43-69 | |
| Average 1500-2300 | | 36.6 | 33.2 | 43-69 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 56

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 34.9 | 32.9 | 43.3 | |
| 23:15 | 15:00 | 36.2 | 32.9 | 45.0 | |
| 23:30 | 15:00 | 36.3 | 33.4 | 44.0 | |
| 23:45 | 15:00 | 34.0 | 30.1 | 45.1 | |
| 00:00 | 15:00 | 34.2 | 28.1 | 57.2 | |
| 00:15 | 15:00 | 31.7 | 28.3 | 42.5 | |
| 00:30 | 15:00 | 30.5 | 26.5 | 43.5 | |
| 00:45 | 15:00 | 34.2 | 31.7 | 41.8 | |
| 01:00 | 15:00 | 32.0 | 30.2 | 39.4 | |
| 01:15 | 15:00 | 30.2 | 27.3 | 45.1 | |
| 01:30 | 15:00 | 30.7 | 28.6 | 38.9 | |
| 01:45 | 15:00 | 32.2 | 28.9 | 50.2 | |
| 02:00 | 15:00 | 30.9 | 28.1 | 41.6 | |
| 02:15 | 15:00 | 28.0 | 26.3 | 35.2 | |
| 02:30 | 15:00 | 26.8 | 24.0 | 37.4 | |
| 02:45 | 15:00 | 28.7 | 25.5 | 40.0 | |
| 03:00 | 15:00 | 28.6 | 25.5 | 39.6 | |
| 03:15 | 15:00 | 28.2 | 26.4 | 38.4 | |
| 03:30 | 15:00 | 29.5 | 27.0 | 35.4 | |
| 03:45 | 15:00 | 30.1 | 28.0 | 42.3 | |
| 04:00 | 15:00 | 30.3 | 28.9 | 36.3 | |
| 04:15 | 15:00 | 32.3 | 26.7 | 52.8 | |
| 04:30 | 15:00 | 29.8 | 27.9 | 42.5 | |
| 04:45 | 15:00 | 29.2 | 27.7 | 39.7 | |
| 05:00 | 15:00 | 33.4 | 28.4 | 56.3 | |
| 05:15 | 15:00 | 36.9 | 27.7 | 62.1 | |
| 05:30 | 15:00 | 36.9 | 28.6 | 51.6 | |
| 05:45 | 15:00 | 35.8 | 29.0 | 54.9 | |
| 06:00 | 15:00 | 36.2 | 28.2 | 57.3 | |
| 06:15 | 15:00 | 35.8 | 29.7 | 56.7 | |
| 06:30 | 15:00 | 36.5 | 32.0 | 54.9 | |
| 06:45 | 15:00 | 35.1 | 30.7 | 47.5 | |
| Log Average 2300-0700 | | 33.3 | 29.2 | 35-62 | |
| Average 2300-0700 | | 32.4 | 28.6 | 35-62 | |
| Average 0700-2300 | | 37.8 | 34.1 | 43-69 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 57

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 40.2 | 31.0 | 59.7 | |
| 07:15 | 15:00 | 36.9 | 32.3 | 53.9 | |
| 07:30 | 15:00 | 37.1 | 30.4 | 51.7 | |
| 07:45 | 15:00 | 36.6 | 31.7 | 45.9 | |
| 08:00 | 15:00 | 39.5 | 33.7 | 57.9 | |
| 08:15 | 15:00 | 43.9 | 32.9 | 79.5 | |
| 08:30 | 15:00 | 39.1 | 32.6 | 53.3 | |
| 08:45 | 15:00 | 37.9 | 33.4 | 54.8 | |
| 09:00 | 15:00 | 39.5 | 34.0 | 61.6 | |
| 09:15 | 15:00 | 37.6 | 34.8 | 51.8 | |
| 09:30 | 15:00 | 36.9 | 33.5 | 53.0 | |
| 09:45 | 15:00 | 39.9 | 33.4 | 63.4 | |
| 10:00 | 15:00 | 39.1 | 33.5 | 51.3 | |
| 10:15 | 15:00 | 39.5 | 35.1 | 61.2 | |
| 10:30 | 15:00 | 45.9 | 34.7 | 62.2 | |
| 10:45 | 15:00 | 39.3 | 35.9 | 52.0 | |
| 11:00 | 15:00 | 37.5 | 35.3 | 55.3 | |
| 11:15 | 15:00 | 37.8 | 34.3 | 56.7 | |
| 11:30 | 15:00 | 39.8 | 33.5 | 58.2 | |
| 11:45 | 15:00 | 44.0 | 35.5 | 64.1 | |
| 12:00 | 15:00 | 38.5 | 34.2 | 60.4 | |
| 12:15 | 15:00 | 41.0 | 32.9 | 60.4 | |
| 12:30 | 15:00 | 37.7 | 34.1 | 59.2 | |
| 12:45 | 15:00 | 38.2 | 31.9 | 56.8 | |
| 13:00 | 15:00 | 35.4 | 31.2 | 49.5 | |
| 13:15 | 15:00 | 40.3 | 32.0 | 60.2 | |
| 13:30 | 15:00 | 37.0 | 31.8 | 54.0 | |
| 13:45 | 15:00 | 39.3 | 33.6 | 59.8 | |
| 14:00 | 15:00 | 38.8 | 34.1 | 57.4 | |
| 14:15 | 15:00 | 37.0 | 32.4 | 48.4 | |
| 14:30 | 15:00 | 35.0 | 29.7 | 52.7 | |
| 14:45 | 15:00 | 39.7 | 32.8 | 60.4 | |
| Log Average 0700-1500 | | 39.6 | 33.4 | 46-80 | |
| Average 0700-1500 | | 38.9 | 33.2 | 46-80 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 58

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 38.6 | 32.3 | 56.4 | |
| 15:15 | 15:00 | 34.5 | 31.3 | 56.3 | |
| 15:30 | 15:00 | 36.1 | 30.5 | 55.6 | |
| 15:45 | 15:00 | 35.6 | 31.9 | 49.0 | |
| 16:00 | 15:00 | 35.4 | 32.2 | 46.8 | |
| 16:15 | 15:00 | 36.3 | 32.9 | 46.9 | |
| 16:30 | 15:00 | 35.8 | 30.1 | 52.9 | |
| 16:45 | 15:00 | 37.0 | 34.0 | 53.7 | |
| 17:00 | 15:00 | 35.6 | 34.4 | 47.3 | |
| 17:15 | 15:00 | 40.3 | 32.7 | 57.9 | |
| 17:30 | 15:00 | 35.9 | 29.1 | 47.0 | |
| 17:45 | 15:00 | 37.1 | 31.1 | 58.3 | |
| 18:00 | 15:00 | 35.2 | 32.0 | 51.0 | |
| 18:15 | 15:00 | 36.1 | 32.2 | 52.7 | |
| 18:30 | 15:00 | 35.8 | 30.5 | 50.0 | |
| 18:45 | 15:00 | 38.9 | 29.1 | 55.5 | |
| 19:00 | 15:00 | 39.6 | 30.3 | 54.3 | |
| 19:15 | 15:00 | 36.9 | 29.5 | 52.7 | |
| 19:30 | 15:00 | 39.6 | 30.4 | 61.0 | |
| 19:45 | 15:00 | 37.1 | 27.5 | 53.3 | |
| 20:00 | 15:00 | 36.5 | 29.9 | 51.3 | |
| 20:15 | 15:00 | 34.5 | 29.4 | 46.6 | |
| 20:30 | 15:00 | 33.9 | 29.9 | 45.6 | |
| 20:45 | 15:00 | 34.0 | 30.5 | 45.8 | |
| 21:00 | 15:00 | 37.4 | 31.9 | 57.8 | |
| 21:15 | 15:00 | 32.9 | 29.9 | 47.5 | |
| 21:30 | 15:00 | 33.6 | 29.3 | 46.2 | |
| 21:45 | 15:00 | 34.0 | 30.1 | 48.1 | |
| 22:00 | 15:00 | 32.3 | 29.7 | 46.1 | |
| 22:15 | 15:00 | 31.8 | 30.1 | 54.9 | |
| 22:30 | 15:00 | 31.9 | 29.2 | 44.8 | |
| 22:45 | 15:00 | 33.4 | 27.9 | 48.3 | |
| Log Average 1500-2300 | | 36.2 | 30.9 | 45-61 | |
| Average 1500-2300 | | 35.7 | 30.7 | 45-61 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

Calibration: 94dB

TABLE 59

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 31.7 | 27.8 | 46.7 | |
| 23:15 | 15:00 | 30.2 | 27.3 | 38.9 | |
| 23:30 | 15:00 | 34.5 | 30.3 | 58.3 | |
| 23:45 | 15:00 | 31.7 | 30.2 | 44.0 | |
| 00:00 | 15:00 | 31.8 | 30.2 | 39.4 | |
| 00:15 | 15:00 | 32.5 | 30.6 | 44.7 | |
| 00:30 | 15:00 | 31.7 | 30.3 | 37.9 | |
| 00:45 | 15:00 | 30.8 | 29.8 | 37.1 | |
| 01:00 | 15:00 | 30.7 | 29.6 | 35.7 | |
| 01:15 | 15:00 | 31.1 | 30.6 | 40.1 | |
| 01:30 | 15:00 | 31.0 | 29.8 | 38.0 | |
| 01:45 | 15:00 | 31.5 | 30.0 | 39.0 | |
| 02:00 | 15:00 | 31.3 | 30.0 | 47.0 | |
| 02:15 | 15:00 | 31.2 | 30.3 | 37.9 | |
| 02:30 | 15:00 | 35.7 | 32.4 | 53.9 | |
| 02:45 | 15:00 | 34.7 | 33.9 | 39.6 | |
| 03:00 | 15:00 | 34.5 | 33.0 | 47.7 | |
| 03:15 | 15:00 | 34.9 | 33.5 | 41.6 | |
| 03:30 | 15:00 | 34.2 | 32.5 | 45.6 | |
| 03:45 | 15:00 | 32.2 | 31.5 | 38.2 | |
| 04:00 | 15:00 | 33.7 | 31.3 | 46.4 | |
| 04:15 | 15:00 | 34.1 | 30.8 | 46.9 | |
| 04:30 | 15:00 | 32.7 | 30.8 | 40.6 | |
| 04:45 | 15:00 | 34.6 | 32.8 | 49.4 | |
| 05:00 | 15:00 | 36.5 | 33.2 | 49.6 | |
| 05:15 | 15:00 | 38.0 | 33.2 | 49.9 | |
| 05:30 | 15:00 | 37.7 | 30.0 | 52.8 | |
| 05:45 | 15:00 | 39.0 | 33.0 | 52.1 | |
| 06:00 | 15:00 | 41.0 | 35.8 | 55.6 | |
| 06:15 | 15:00 | 38.6 | 33.5 | 52.3 | |
| 06:30 | 15:00 | 37.6 | 34.5 | 47.1 | |
| 06:45 | 15:00 | 37.5 | 33.4 | 49.6 | |
| Log Average 2300-0700 | | 35.0 | 31.8 | 36-58 | |
| Average 2300-0700 | | 34.0 | 31.4 | 36-58 | |
| Average 0700-2300 | | 38.3 | 32.3 | 45-80 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 60

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

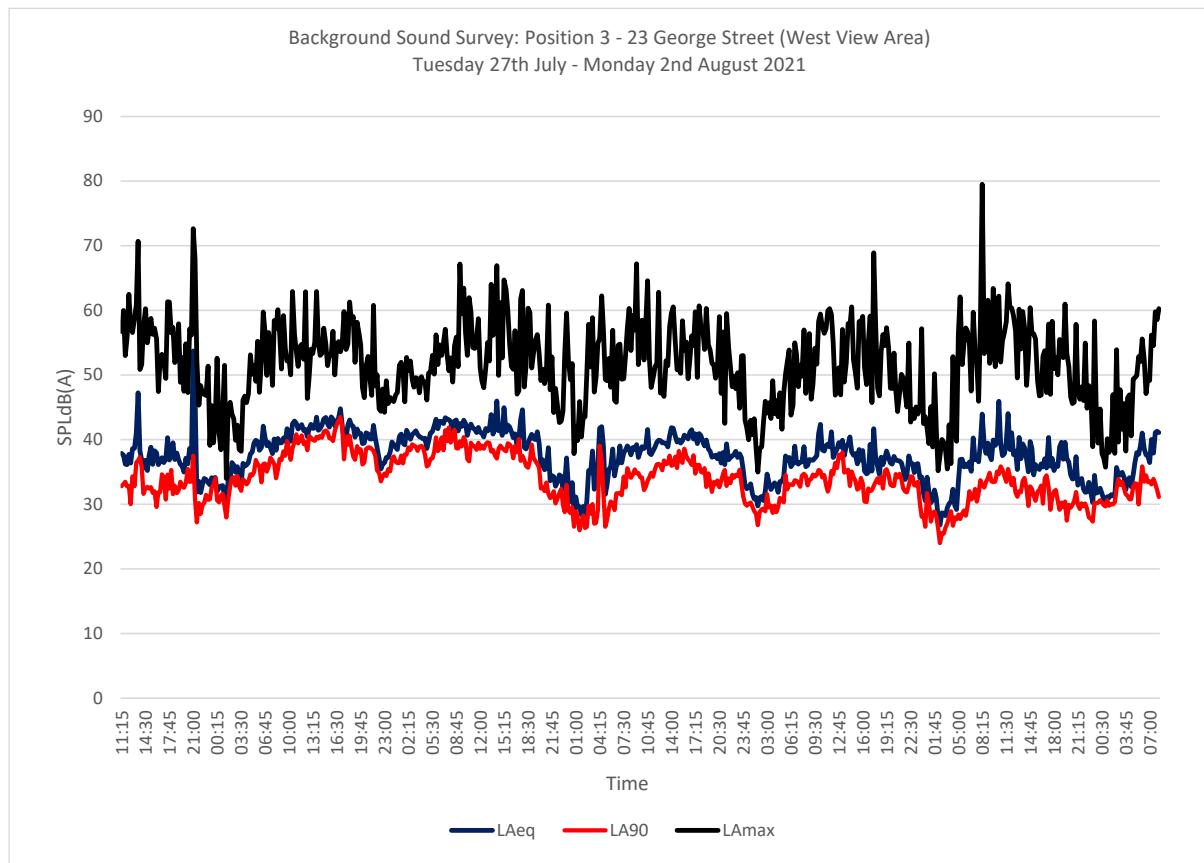
Data: **Position 3 - 23 George Street (West View Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

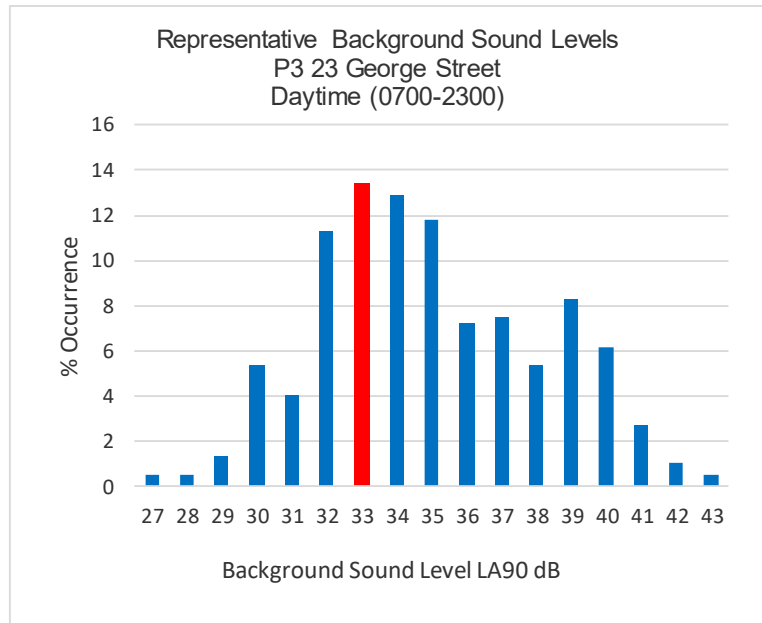
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|----------------------------|------------------|-------------|-------------|--------------|------------------|
| 07:00 | 15:00 | 36.4 | 33.6 | 49.1 | |
| 07:15 | 15:00 | 40.0 | 33.1 | 56.2 | |
| 07:30 | 15:00 | 37.9 | 33.9 | 54.5 | |
| 07:45 | 15:00 | 41.1 | 33.2 | 59.8 | |
| 08:00 | 15:00 | 41.3 | 32.2 | 58.5 | |
| 08:15 | 15:00 | 41.1 | 31.1 | 60.2 | |
| Log Average 0700-0830 | | 39.9 | 32.9 | 65-86 | |
| Average 0700-0830 | | 39.6 | 32.8 | 65-86 | |
| Overall Log Average | | 36.5 | 33.4 | 34-62 | With Rain |
| Overall Log Average | | 39.9 | 36.1 | 43-80 | With Rain |

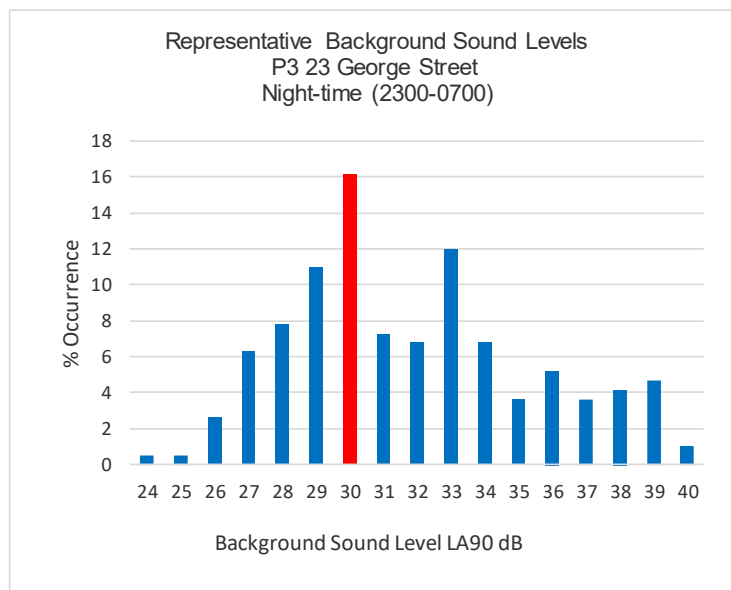
| | | | | | |
|----------------------------|--|-------------|-------------|--------------|----------------|
| Overall Log Average | | 36.6 | 33.5 | 34-62 | No Rain |
| Overall Log Average | | 39.9 | 36.1 | 43-80 | No Rain |



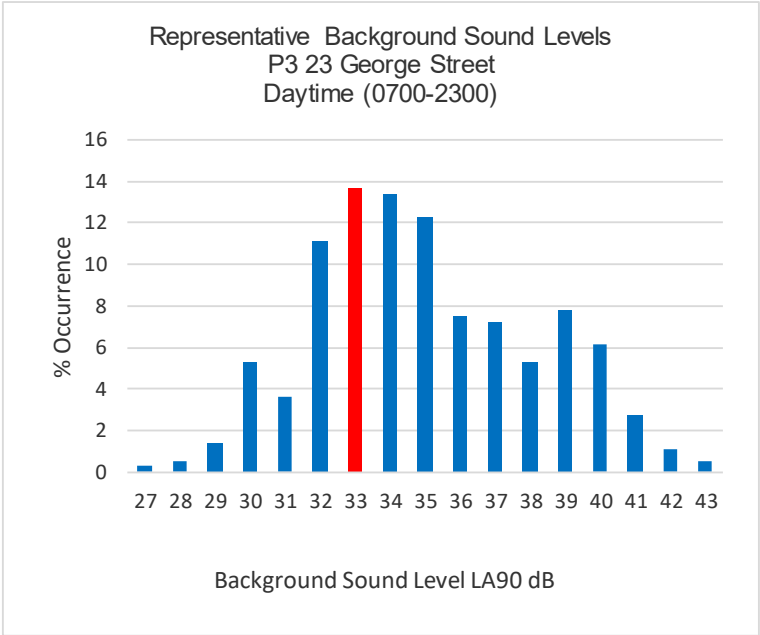
| LA90 | % Occurrence |
|-----------|--------------|
| 27 | 0.5 |
| 28 | 0.5 |
| 29 | 1.3 |
| 30 | 5.4 |
| 31 | 4.0 |
| 32 | 11.3 |
| 33 | 13.4 |
| 34 | 12.9 |
| 35 | 11.8 |
| 36 | 7.2 |
| 37 | 7.5 |
| 38 | 5.4 |
| 39 | 8.3 |
| 40 | 6.2 |
| 41 | 2.7 |
| 42 | 1.1 |
| 43 | 0.5 |



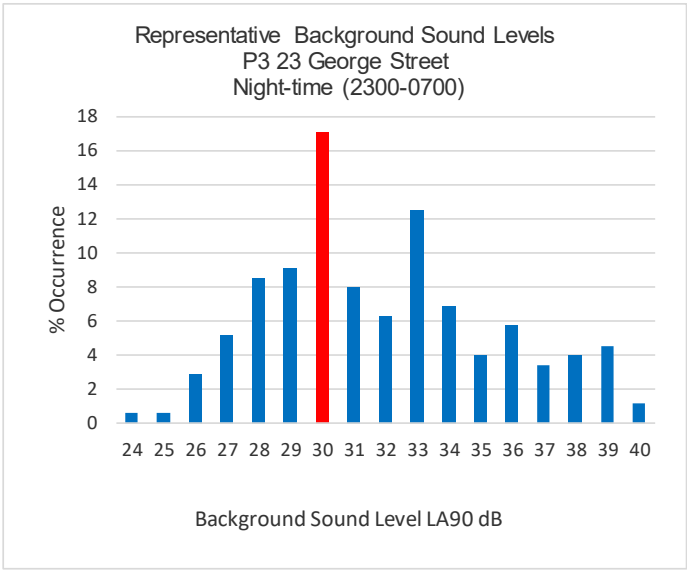
| LA90 | % Occurrence |
|-----------|--------------|
| 24 | 0.5 |
| 25 | 0.5 |
| 26 | 2.6 |
| 27 | 6.3 |
| 28 | 7.8 |
| 29 | 10.9 |
| 30 | 16.1 |
| 31 | 7.3 |
| 32 | 6.8 |
| 33 | 12.0 |
| 34 | 6.8 |
| 35 | 3.6 |
| 36 | 5.2 |
| 37 | 3.6 |
| 38 | 4.2 |
| 39 | 4.7 |
| 40 | 1.0 |



| LA90 | % Occurrence |
|------|--------------|
| 27 | 0.3 |
| 28 | 0.6 |
| 29 | 1.4 |
| 30 | 5.3 |
| 31 | 3.6 |
| 32 | 11.1 |
| 33 | 13.6 |
| 34 | 13.4 |
| 35 | 12.3 |
| 36 | 7.5 |
| 37 | 7.2 |
| 38 | 5.3 |
| 39 | 7.8 |
| 40 | 6.1 |
| 41 | 2.8 |
| 42 | 1.1 |
| 43 | 0.6 |



| LA90 | % Occurrence |
|------|--------------|
| 24 | 0.6 |
| 25 | 0.6 |
| 26 | 2.8 |
| 27 | 5.1 |
| 28 | 8.5 |
| 29 | 9.1 |
| 30 | 17.0 |
| 31 | 8.0 |
| 32 | 6.3 |
| 33 | 12.5 |
| 34 | 6.8 |
| 35 | 4.0 |
| 36 | 5.7 |
| 37 | 3.4 |
| 38 | 4.0 |
| 39 | 4.5 |
| 40 | 1.1 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 61

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 11:30 | 15:00 | 59.0 | 48.9 | 76.0 | Rain |
| 11:45 | 15:00 | 57.7 | 44.6 | 76.3 | |
| 12:00 | 15:00 | 56.7 | 45.5 | 71.8 | |
| 12:15 | 15:00 | 57.8 | 47.9 | 70.9 | |
| 12:45 | 15:00 | 57.1 | 48.9 | 70.3 | |
| 13:00 | 15:00 | 58.7 | 51.9 | 70.6 | |
| 13:15 | 15:00 | 59.0 | 51.5 | 71.7 | |
| 13:30 | 15:00 | 62.5 | 54.8 | 76.8 | |
| 13:45 | 15:00 | 61.4 | 52.2 | 74.2 | |
| 14:00 | 15:00 | 59.5 | 47.7 | 73.8 | |
| 14:15 | 15:00 | 59.5 | 48.2 | 74.1 | |
| 14:30 | 15:00 | 59.8 | 48.8 | 74.7 | |
| 14:45 | 15:00 | 60.6 | 48.6 | 73.1 | |
| Log Average 1130-1500 | | 59.1 | 49.7 | 70-77 | |
| Average 1130-1500 | | 55.0 | 45.7 | 70-77 | |

Noise Survey Results

Date: Tuesday 27th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 62

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 61.0 | 51.6 | 74.3 | Rain |
| 15:15 | 15:00 | 60.8 | 52.2 | 74.8 | |
| 15:30 | 15:00 | 59.4 | 48.0 | 72.9 | Rain |
| 15:45 | 15:00 | 59.5 | 48.5 | 71.8 | |
| 16:00 | 15:00 | 59.3 | 48.9 | 71.2 | |
| 16:15 | 15:00 | 59.8 | 49.2 | 71.1 | |
| 16:30 | 15:00 | 60.3 | 50.8 | 74.4 | |
| 16:45 | 15:00 | 62.0 | 54.9 | 72.4 | |
| 17:00 | 15:00 | 56.8 | 51.7 | 70.5 | |
| 17:15 | 15:00 | 59.0 | 51.6 | 69.9 | Rain |
| 17:30 | 15:00 | 59.8 | 51.2 | 71.5 | |
| 17:45 | 15:00 | 60.7 | 52.5 | 73.9 | |
| 18:00 | 15:00 | 59.7 | 50.1 | 71.0 | |
| 18:15 | 15:00 | 58.1 | 47.2 | 70.7 | |
| 18:30 | 15:00 | 58.2 | 44.9 | 76.0 | |
| 18:45 | 15:00 | 57.6 | 44.7 | 74.8 | |
| 19:00 | 15:00 | 57.5 | 44.7 | 74.4 | |
| 19:15 | 15:00 | 57.0 | 44.2 | 70.9 | |
| 19:30 | 15:00 | 57.0 | 42.9 | 77.8 | |
| 19:45 | 15:00 | 57.4 | 43.6 | 74.1 | |
| 20:00 | 15:00 | 56.0 | 43.5 | 69.8 | |
| 20:15 | 15:00 | 57.5 | 44.3 | 73.0 | |
| 20:30 | 15:00 | 55.8 | 43.4 | 70.6 | |
| 20:45 | 15:00 | 57.1 | 43.9 | 70.9 | |
| 21:00 | 15:00 | 62.1 | 46.3 | 76.2 | |
| 21:15 | 15:00 | 60.1 | 49.1 | 74.1 | Rain |
| 21:30 | 15:00 | 56.3 | 44.8 | 78.6 | |
| 21:45 | 15:00 | 56.1 | 46.5 | 74.2 | |
| 22:00 | 15:00 | 56.0 | 43.0 | 74.0 | |
| 22:15 | 15:00 | 56.7 | 42.0 | 79.0 | |
| 22:30 | 15:00 | 54.5 | 44.2 | 73.8 | |
| 22:45 | 15:00 | 53.3 | 43.4 | 72.2 | |
| Log Average 1500-2300 | | 58.6 | 48.6 | 70-79 | |
| Average 1500-2300 | | 58.2 | 47.1 | 70-79 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 63

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 51.8 | 44.1 | 70.5 | |
| 23:15 | 15:00 | 55.1 | 45.2 | 74.2 | |
| 23:30 | 15:00 | 55.7 | 46.3 | 76.6 | |
| 23:45 | 15:00 | 52.4 | 45.5 | 69.9 | |
| 00:00 | 15:00 | 53.1 | 43.6 | 74.9 | |
| 00:15 | 15:00 | 49.8 | 42.4 | 71.2 | |
| 00:30 | 15:00 | 48.2 | 44.0 | 70.3 | |
| 00:45 | 15:00 | 48.0 | 43.8 | 68.2 | |
| 01:00 | 15:00 | 49.4 | 43.3 | 78.8 | |
| 01:15 | 15:00 | 49.6 | 42.4 | 78.8 | |
| 01:30 | 15:00 | 43.1 | 42.3 | 49.3 | |
| 01:45 | 15:00 | 50.9 | 43.2 | 73.6 | |
| 02:00 | 15:00 | 50.4 | 48.2 | 69.1 | |
| 02:15 | 15:00 | 48.6 | 47.2 | 63.6 | |
| 02:30 | 15:00 | 51.0 | 46.9 | 74.1 | |
| 02:45 | 15:00 | 52.3 | 47.2 | 76.2 | Rain |
| 03:00 | 15:00 | 49.1 | 46.7 | 69.3 | Rain |
| 03:15 | 15:00 | 53.2 | 46.6 | 73.0 | |
| 03:30 | 15:00 | 49.6 | 45.7 | 69.8 | |
| 03:45 | 15:00 | 52.0 | 46.3 | 75.9 | |
| 04:00 | 15:00 | 50.7 | 46.2 | 73.7 | |
| 04:15 | 15:00 | 52.8 | 46.7 | 74.8 | |
| 04:30 | 15:00 | 52.4 | 46.4 | 73.6 | |
| 04:45 | 15:00 | 52.0 | 47.0 | 72.4 | |
| 05:00 | 15:00 | 54.0 | 48.1 | 72.5 | |
| 05:15 | 15:00 | 53.7 | 47.7 | 71.9 | |
| 05:30 | 15:00 | 56.0 | 48.3 | 74.4 | |
| 05:45 | 15:00 | 56.5 | 48.9 | 73.6 | |
| 06:00 | 15:00 | 58.3 | 48.5 | 81.5 | |
| 06:15 | 15:00 | 57.2 | 48.7 | 76.0 | |
| 06:30 | 15:00 | 57.8 | 47.6 | 72.7 | |
| 06:45 | 15:00 | 58.4 | 48.7 | 72.9 | |
| Log Average 2300-0700 | | 53.5 | 46.4 | 49-82 | |
| Average 2300-0700 | | 52.3 | 46.1 | 49-82 | |
| Average 1130-2300 | | 58.8 | 49.0 | 70-79 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 64

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 57.7 | 49.4 | 72.5 | |
| 07:15 | 15:00 | 58.0 | 47.8 | 72.0 | |
| 07:30 | 15:00 | 58.9 | 49.1 | 70.7 | |
| 07:45 | 15:00 | 59.1 | 47.4 | 74.2 | |
| 08:00 | 15:00 | 59.3 | 48.9 | 74.5 | |
| 08:15 | 15:00 | 58.1 | 48.2 | 70.1 | |
| 08:30 | 15:00 | 59.3 | 48.1 | 72.9 | |
| 08:45 | 15:00 | 58.8 | 49.5 | 74.6 | |
| 09:00 | 15:00 | 57.9 | 47.9 | 71.4 | |
| 09:15 | 15:00 | 57.6 | 48.0 | 71.9 | |
| 09:30 | 15:00 | 59.3 | 49.4 | 74.2 | |
| 09:45 | 15:00 | 59.4 | 50.3 | 73.8 | |
| 10:00 | 15:00 | 57.6 | 49.3 | 70.9 | |
| 10:15 | 15:00 | 58.1 | 50.1 | 73.7 | |
| 10:30 | 15:00 | 62.5 | 51.8 | 76.0 | |
| 10:45 | 15:00 | 58.6 | 50.8 | 72.9 | |
| 11:00 | 15:00 | 58.5 | 50.1 | 70.6 | |
| 11:15 | 15:00 | 58.2 | 50.4 | 70.6 | |
| 11:30 | 15:00 | 58.5 | 50.4 | 72.9 | |
| 11:45 | 15:00 | 59.0 | 50.7 | 72.8 | |
| 12:00 | 15:00 | 59.4 | 50.0 | 73.1 | Rain |
| 12:15 | 15:00 | 59.5 | 50.0 | 74.6 | |
| 12:30 | 15:00 | 58.9 | 50.1 | 70.8 | Rain |
| 12:45 | 15:00 | 59.6 | 50.6 | 72.9 | |
| 13:00 | 15:00 | 59.3 | 51.3 | 72.2 | |
| 13:15 | 15:00 | 59.2 | 50.9 | 73.1 | |
| 13:30 | 15:00 | 59.4 | 51.8 | 71.7 | |
| 13:45 | 15:00 | 59.2 | 51.2 | 72.8 | |
| 14:00 | 15:00 | 59.1 | 50.9 | 70.6 | Rain |
| 14:15 | 15:00 | 58.9 | 51.6 | 69.6 | |
| 14:30 | 15:00 | 59.0 | 52.3 | 71.8 | |
| 14:45 | 15:00 | 58.1 | 51.4 | 70.6 | |
| Log Average 0700-1500 | | 58.9 | 50.1 | 70-76 | |
| Average 0700-1500 | | 58.9 | 50.0 | 70-76 | |

Noise Survey Results

Date: Wednesday 28th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 65

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 58.7 | 52.1 | 72.2 | |
| 15:15 | 15:00 | 58.9 | 52.1 | 74.6 | |
| 15:30 | 15:00 | 58.4 | 51.6 | 69.7 | |
| 15:45 | 15:00 | 59.3 | 52.5 | 71.0 | |
| 16:00 | 15:00 | 59.3 | 53.0 | 71.0 | |
| 16:15 | 15:00 | 59.3 | 52.8 | 73.2 | |
| 16:30 | 15:00 | 60.4 | 53.9 | 70.8 | |
| 16:45 | 15:00 | 61.8 | 55.3 | 76.6 | |
| 17:00 | 15:00 | 63.1 | 57.6 | 74.6 | |
| 17:15 | 15:00 | 61.1 | 55.2 | 74.9 | |
| 17:30 | 15:00 | 58.6 | 53.1 | 75.5 | Rain |
| 17:45 | 15:00 | 61.3 | 52.8 | 73.8 | |
| 18:00 | 15:00 | 61.2 | 53.1 | 72.0 | |
| 18:15 | 15:00 | 60.4 | 52.5 | 73.4 | |
| 18:30 | 15:00 | 59.6 | 51.9 | 71.6 | |
| 18:45 | 15:00 | 58.7 | 49.9 | 72.3 | |
| 19:00 | 15:00 | 59.0 | 50.9 | 72.2 | |
| 19:15 | 15:00 | 57.7 | 50.5 | 71.0 | |
| 19:30 | 15:00 | 58.2 | 50.1 | 70.8 | |
| 19:45 | 15:00 | 57.5 | 47.6 | 71.9 | |
| 20:00 | 15:00 | 57.1 | 46.9 | 72.8 | |
| 20:15 | 15:00 | 56.8 | 47.7 | 71.8 | |
| 20:30 | 15:00 | 58.4 | 49.4 | 72.9 | |
| 20:45 | 15:00 | 59.4 | 49.7 | 75.9 | Rain |
| 21:00 | 15:00 | 57.5 | 48.5 | 71.8 | Rain |
| 21:15 | 15:00 | 57.4 | 48.6 | 72.7 | |
| 21:30 | 15:00 | 56.6 | 49.3 | 74.5 | |
| 21:45 | 15:00 | 55.7 | 49.3 | 73.6 | |
| 22:00 | 15:00 | 55.9 | 48.4 | 72.8 | |
| 22:15 | 15:00 | 54.7 | 47.4 | 70.2 | |
| 22:30 | 15:00 | 53.3 | 46.2 | 70.2 | |
| 22:45 | 15:00 | 54.9 | 45.2 | 74.0 | |
| Log Average 1500-2300 | | 58.9 | 51.7 | 70-77 | |
| Average 1500-2300 | | 58.4 | 50.8 | 70-77 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 66

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 51.9 | 46.5 | 69.8 | Rain |
| 23:15 | 15:00 | 52.6 | 48.3 | 69.4 | |
| 23:30 | 15:00 | 53.6 | 48.7 | 71.1 | |
| 23:45 | 15:00 | 52.8 | 48.7 | 74.3 | |
| 00:00 | 15:00 | 53.4 | 48.7 | 70.5 | |
| 00:15 | 15:00 | 52.2 | 49.0 | 71.0 | |
| 00:30 | 15:00 | 53.3 | 49.3 | 70.8 | |
| 00:45 | 15:00 | 50.9 | 49.1 | 68.9 | |
| 01:00 | 15:00 | 52.6 | 49.3 | 70.0 | |
| 01:15 | 15:00 | 52.7 | 49.8 | 70.8 | |
| 01:30 | 15:00 | 52.0 | 49.8 | 67.9 | |
| 01:45 | 15:00 | 52.0 | 48.8 | 69.7 | |
| 02:00 | 15:00 | 53.8 | 50.5 | 67.6 | |
| 02:15 | 15:00 | 53.4 | 51.4 | 66.0 | |
| 02:30 | 15:00 | 52.3 | 50.5 | 67.1 | |
| 02:45 | 15:00 | 53.9 | 51.1 | 70.0 | |
| 03:00 | 15:00 | 52.9 | 49.7 | 74.6 | |
| 03:15 | 15:00 | 55.4 | 51.6 | 71.6 | |
| 03:30 | 15:00 | 53.2 | 50.4 | 68.9 | |
| 03:45 | 15:00 | 53.9 | 50.8 | 73.8 | |
| 04:00 | 15:00 | 53.9 | 49.8 | 71.3 | |
| 04:15 | 15:00 | 54.9 | 50.5 | 73.5 | |
| 04:30 | 15:00 | 54.0 | 47.5 | 73.1 | |
| 04:45 | 15:00 | 52.8 | 46.8 | 73.2 | |
| 05:00 | 15:00 | 53.2 | 48.5 | 70.7 | |
| 05:15 | 15:00 | 55.8 | 49.8 | 73.5 | |
| 05:30 | 15:00 | 57.3 | 50.0 | 77.0 | |
| 05:45 | 15:00 | 56.5 | 50.5 | 74.9 | |
| 06:00 | 15:00 | 57.7 | 52.2 | 72.1 | |
| 06:15 | 15:00 | 57.2 | 49.7 | 77.9 | |
| 06:30 | 15:00 | 57.2 | 50.5 | 75.1 | |
| 06:45 | 15:00 | 58.8 | 50.7 | 72.6 | |
| Log Average 2300-0700 | | 54.4 | 49.8 | 66-78 | |
| Average 2300-0700 | | 54.0 | 49.6 | 66-78 | |
| Average 0700-2300 | | 58.9 | 51.0 | 70-77 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 67

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|---------------|--------------|
| 07:00 | 15:00 | 58.5 | 51.4 | 72.9 | |
| 07:15 | 15:00 | 59.1 | 51.3 | 72.7 | |
| 07:30 | 15:00 | 60.0 | 51.1 | 73.3 | |
| 07:45 | 15:00 | 60.4 | 52.5 | 74.5 | |
| 08:00 | 15:00 | 60.6 | 52.2 | 76.4 | |
| 08:15 | 15:00 | 59.0 | 51.0 | 71.4 | |
| 08:30 | 15:00 | 58.5 | 51.1 | 71.5 | |
| 08:45 | 15:00 | 59.4 | 52.0 | 72.1 | |
| 09:00 | 15:00 | 58.6 | 51.5 | 72.5 | |
| 09:15 | 15:00 | 58.7 | 51.6 | 73.5 | |
| 09:30 | 15:00 | 58.7 | 51.8 | 72.2 | |
| 09:45 | 15:00 | 58.6 | 52.3 | 71.0 | |
| 10:00 | 15:00 | 58.9 | 51.6 | 74.4 | |
| 10:15 | 15:00 | 58.2 | 50.9 | 72.8 | |
| 10:30 | 15:00 | 59.0 | 51.4 | 75.0 | |
| 10:45 | 15:00 | 59.5 | 51.5 | 74.1 | |
| 11:00 | 15:00 | 58.3 | 51.8 | 69.0 | |
| 11:15 | 15:00 | 59.0 | 52.0 | 81.0 | |
| 11:30 | 15:00 | 59.0 | 52.6 | 70.1 | |
| 11:45 | 15:00 | 59.1 | 51.7 | 80.6 | |
| 12:00 | 15:00 | 58.5 | 51.3 | 72.7 | |
| 12:15 | 15:00 | 58.1 | 50.3 | 69.5 | |
| 12:30 | 15:00 | 59.0 | 51.4 | 74.5 | |
| 12:45 | 15:00 | 61.4 | 51.8 | 78.2 | |
| 13:00 | 15:00 | 58.3 | 51.9 | 71.2 | |
| 13:15 | 15:00 | 58.4 | 50.7 | 71.1 | |
| 13:30 | 15:00 | 58.9 | 51.2 | 73.6 | |
| 13:45 | 15:00 | 58.7 | 51.7 | 77.0 | |
| 14:00 | 15:00 | 58.5 | 51.9 | 71.4 | |
| 14:15 | 15:00 | 58.8 | 50.9 | 71.5 | |
| 14:30 | 15:00 | 58.5 | 51.4 | 70.3 | |
| 14:45 | 15:00 | 58.9 | 51.7 | 71.1 | |
| Log Average 0700-1500 | | 59.0 | 51.5 | 69-81 | |
| Average 0700-1500 | | 59.0 | 51.5 | 69-81 | |

Noise Survey Results

Date: Thursday 29th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 68

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 59.1 | 51.9 | 77.1 | |
| 15:15 | 15:00 | 58.9 | 51.2 | 71.8 | |
| 15:30 | 15:00 | 58.6 | 50.8 | 69.6 | |
| 15:45 | 15:00 | 58.8 | 51.0 | 72.0 | |
| 16:00 | 15:00 | 59.2 | 51.6 | 72.3 | |
| 16:15 | 15:00 | 58.3 | 50.6 | 70.1 | |
| 16:30 | 15:00 | 59.2 | 50.9 | 73.3 | |
| 16:45 | 15:00 | 59.0 | 51.1 | 71.7 | |
| 17:00 | 15:00 | 59.2 | 51.4 | 72.9 | |
| 17:15 | 15:00 | 60.0 | 51.8 | 73.1 | |
| 17:30 | 15:00 | 58.7 | 51.0 | 68.6 | |
| 17:45 | 15:00 | 59.0 | 49.8 | 71.2 | |
| 18:00 | 15:00 | 59.1 | 50.8 | 70.0 | |
| 18:15 | 15:00 | 58.1 | 48.8 | 68.7 | |
| 18:30 | 15:00 | 58.3 | 48.6 | 76.9 | |
| 18:45 | 15:00 | 58.7 | 48.4 | 82.0 | |
| 19:00 | 15:00 | 58.1 | 48.7 | 69.4 | |
| 19:15 | 15:00 | 62.8 | 47.4 | 92.3 | |
| 19:30 | 15:00 | 57.2 | 46.6 | 73.0 | |
| 19:45 | 15:00 | 55.8 | 46.5 | 68.8 | |
| 20:00 | 15:00 | 57.6 | 48.0 | 74.2 | |
| 20:15 | 15:00 | 55.6 | 46.6 | 70.2 | |
| 20:30 | 15:00 | 55.2 | 46.6 | 73.2 | |
| 20:45 | 15:00 | 55.7 | 44.5 | 70.7 | |
| 21:00 | 15:00 | 55.9 | 43.7 | 71.7 | |
| 21:15 | 15:00 | 57.9 | 44.7 | 81.2 | |
| 21:30 | 15:00 | 54.6 | 45.1 | 70.7 | |
| 21:45 | 15:00 | 52.6 | 44.7 | 69.1 | |
| 22:00 | 15:00 | 53.7 | 46.0 | 70.9 | |
| 22:15 | 15:00 | 53.5 | 44.2 | 73.1 | |
| 22:30 | 15:00 | 55.1 | 43.8 | 77.5 | |
| 22:45 | 15:00 | 52.7 | 46.0 | 75.8 | |
| Log Average 1500-2300 | | 57.9 | 48.9 | 69-92 | |
| Average 1500-2300 | | 57.4 | 48.2 | 69-92 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 69

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 50.8 | 44.5 | 70.3 | |
| 23:15 | 15:00 | 49.1 | 42.4 | 69.9 | |
| 23:30 | 15:00 | 51.1 | 42.7 | 70.2 | |
| 23:45 | 15:00 | 52.5 | 48.0 | 73.4 | |
| 00:00 | 15:00 | 50.8 | 43.9 | 69.8 | Rain |
| 00:15 | 15:00 | 49.9 | 44.0 | 72.9 | Rain |
| 00:30 | 15:00 | 51.4 | 46.0 | 71.7 | |
| 00:45 | 15:00 | 50.1 | 44.8 | 75.4 | Rain |
| 01:00 | 15:00 | 49.3 | 44.8 | 72.2 | |
| 01:15 | 15:00 | 48.5 | 44.9 | 72.2 | |
| 01:30 | 15:00 | 47.1 | 44.2 | 71.1 | |
| 01:45 | 15:00 | 48.5 | 44.9 | 71.8 | |
| 02:00 | 15:00 | 46.3 | 43.5 | 70.1 | |
| 02:15 | 15:00 | 45.2 | 42.4 | 69.3 | |
| 02:30 | 15:00 | 48.7 | 42.6 | 72.5 | |
| 02:45 | 15:00 | 50.4 | 45.3 | 72.0 | |
| 03:00 | 15:00 | 54.3 | 45.3 | 77.9 | Rain |
| 03:15 | 15:00 | 52.3 | 44.5 | 74.3 | Rain |
| 03:30 | 15:00 | 54.4 | 43.5 | 77.6 | Rain |
| 03:45 | 15:00 | 50.3 | 44.8 | 76.0 | Rain |
| 04:00 | 15:00 | 53.8 | 47.0 | 76.2 | Rain |
| 04:15 | 15:00 | 54.8 | 52.4 | 73.5 | Rain |
| 04:30 | 15:00 | 55.9 | 53.0 | 76.8 | Rain |
| 04:45 | 15:00 | 53.4 | 47.1 | 71.8 | Rain |
| 05:00 | 15:00 | 51.5 | 44.1 | 69.6 | |
| 05:15 | 15:00 | 54.8 | 44.8 | 75.7 | |
| 05:30 | 15:00 | 56.5 | 44.8 | 72.8 | Rain |
| 05:45 | 15:00 | 55.4 | 43.7 | 75.4 | |
| 06:00 | 15:00 | 56.4 | 44.8 | 74.6 | |
| 06:15 | 15:00 | 57.7 | 45.7 | 74.9 | |
| 06:30 | 15:00 | 58.5 | 46.2 | 76.7 | |
| 06:45 | 15:00 | 58.5 | 45.9 | 75.0 | Rain |
| Log Average 2300-0700 | | 53.4 | 46.1 | 69-78 | |
| Average 2300-0700 | | 52.1 | 45.2 | 69-78 | |
| Average 0700-2300 | | 58.4 | 50.5 | 69-92 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 70

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 58.6 | 47.3 | 76.3 | |
| 07:15 | 15:00 | 58.1 | 47.9 | 71.8 | |
| 07:30 | 15:00 | 58.6 | 48.9 | 73.2 | |
| 07:45 | 15:00 | 59.0 | 48.2 | 74.1 | |
| 08:00 | 15:00 | 58.9 | 49.6 | 72.8 | |
| 08:15 | 15:00 | 58.6 | 48.2 | 70.9 | |
| 08:30 | 15:00 | 59.3 | 49.2 | 78.9 | |
| 08:45 | 15:00 | 58.9 | 50.0 | 72.0 | |
| 09:00 | 15:00 | 59.9 | 49.3 | 76.5 | |
| 09:15 | 15:00 | 58.5 | 48.2 | 73.4 | |
| 09:30 | 15:00 | 58.7 | 49.3 | 70.9 | |
| 09:45 | 15:00 | 65.1 | 50.7 | 91.4 | |
| 10:00 | 15:00 | 59.4 | 51.0 | 71.4 | |
| 10:15 | 15:00 | 59.4 | 51.4 | 70.8 | |
| 10:30 | 15:00 | 59.4 | 50.5 | 75.3 | |
| 10:45 | 15:00 | 60.4 | 51.1 | 74.6 | |
| 11:00 | 15:00 | 59.5 | 51.5 | 70.3 | |
| 11:15 | 15:00 | 60.2 | 52.5 | 76.5 | |
| 11:30 | 15:00 | 59.9 | 52.5 | 72.4 | |
| 11:45 | 15:00 | 60.8 | 52.9 | 75.8 | |
| 12:00 | 15:00 | 60.8 | 54.1 | 71.5 | |
| 12:15 | 15:00 | 60.3 | 53.0 | 70.8 | |
| 12:30 | 15:00 | 60.5 | 54.3 | 71.6 | |
| 12:45 | 15:00 | 61.1 | 54.1 | 70.3 | |
| 13:00 | 15:00 | 61.1 | 54.4 | 71.4 | |
| 13:15 | 15:00 | 60.2 | 53.6 | 73.1 | |
| 13:30 | 15:00 | 60.9 | 53.9 | 72.9 | |
| 13:45 | 15:00 | 61.3 | 55.0 | 70.7 | |
| 14:00 | 15:00 | 62.0 | 55.0 | 74.6 | |
| 14:15 | 15:00 | 61.1 | 54.4 | 69.6 | |
| 14:30 | 15:00 | 61.2 | 55.1 | 73.1 | |
| 14:45 | 15:00 | 60.7 | 53.9 | 70.5 | |
| Log Average 0700-1500 | | 60.3 | 52.2 | 70-91 | |
| Average 0700-1500 | | 60.1 | 51.6 | 70-91 | |

Noise Survey Results

Date: Friday 30th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 71

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 61.2 | 55.1 | 76.7 | |
| 15:15 | 15:00 | 60.8 | 53.1 | 71.6 | |
| 15:30 | 15:00 | 61.3 | 55.3 | 71.1 | |
| 15:45 | 15:00 | 61.8 | 56.1 | 71.0 | |
| 16:00 | 15:00 | 61.0 | 54.2 | 72.3 | |
| 16:15 | 15:00 | 61.4 | 54.3 | 72.5 | |
| 16:30 | 15:00 | 61.6 | 56.0 | 72.0 | |
| 16:45 | 15:00 | 61.7 | 55.3 | 72.2 | |
| 17:00 | 15:00 | 59.2 | 53.6 | 74.2 | |
| 17:15 | 15:00 | 60.6 | 55.2 | 69.3 | |
| 17:30 | 15:00 | 60.7 | 53.9 | 70.2 | |
| 17:45 | 15:00 | 61.5 | 55.1 | 71.1 | |
| 18:00 | 15:00 | 60.9 | 53.7 | 70.9 | |
| 18:15 | 15:00 | 60.4 | 52.9 | 76.3 | |
| 18:30 | 15:00 | 59.9 | 52.7 | 72.1 | |
| 18:45 | 15:00 | 59.6 | 51.8 | 71.4 | |
| 19:00 | 15:00 | 59.1 | 51.6 | 70.4 | |
| 19:15 | 15:00 | 58.5 | 50.3 | 71.5 | |
| 19:30 | 15:00 | 58.1 | 49.4 | 72.5 | |
| 19:45 | 15:00 | 57.0 | 49.1 | 72.0 | |
| 20:00 | 15:00 | 58.1 | 51.2 | 76.9 | |
| 20:15 | 15:00 | 57.3 | 51.1 | 72.5 | |
| 20:30 | 15:00 | 56.7 | 50.4 | 73.9 | |
| 20:45 | 15:00 | 56.2 | 50.7 | 71.2 | |
| 21:00 | 15:00 | 56.4 | 49.6 | 71.6 | |
| 21:15 | 15:00 | 56.1 | 49.4 | 71.1 | |
| 21:30 | 15:00 | 54.8 | 48.5 | 69.7 | |
| 21:45 | 15:00 | 56.3 | 49.1 | 71.2 | |
| 22:00 | 15:00 | 56.4 | 50.4 | 77.2 | |
| 22:15 | 15:00 | 56.3 | 51.1 | 70.7 | |
| 22:30 | 15:00 | 56.5 | 51.8 | 75.9 | |
| 22:45 | 15:00 | 55.4 | 50.9 | 70.5 | |
| Log Average 1500-2300 | | 59.3 | 52.8 | 69-77 | |
| Average 1500-2300 | | 58.8 | 52.3 | 69-77 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 72

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 55.7 | 50.8 | 75.8 | |
| 23:15 | 15:00 | 54.2 | 50.3 | 69.3 | |
| 23:30 | 15:00 | 53.4 | 50.4 | 70.3 | |
| 23:45 | 15:00 | 53.5 | 49.8 | 71.5 | |
| 00:00 | 15:00 | 53.0 | 47.9 | 71.0 | |
| 00:15 | 15:00 | 51.9 | 47.4 | 71.3 | |
| 00:30 | 15:00 | 50.2 | 46.9 | 67.6 | |
| 00:45 | 15:00 | 51.3 | 46.9 | 76.4 | |
| 01:00 | 15:00 | 50.1 | 46.8 | 69.8 | |
| 01:15 | 15:00 | 49.2 | 46.3 | 67.3 | |
| 01:30 | 15:00 | 47.0 | 45.9 | 54.9 | |
| 01:45 | 15:00 | 49.0 | 45.5 | 69.1 | |
| 02:00 | 15:00 | 47.9 | 45.5 | 68.3 | |
| 02:15 | 15:00 | 49.6 | 46.4 | 68.9 | |
| 02:30 | 15:00 | 47.5 | 45.1 | 65.6 | |
| 02:45 | 15:00 | 50.4 | 47.0 | 73.2 | |
| 03:00 | 15:00 | 49.5 | 46.7 | 70.3 | |
| 03:15 | 15:00 | 51.7 | 46.8 | 70.3 | |
| 03:30 | 15:00 | 52.2 | 47.9 | 72.0 | |
| 03:45 | 15:00 | 50.4 | 48.3 | 69.1 | |
| 04:00 | 15:00 | 50.8 | 47.7 | 71.0 | |
| 04:15 | 15:00 | 50.0 | 46.9 | 67.9 | |
| 04:30 | 15:00 | 50.5 | 47.4 | 69.0 | |
| 04:45 | 15:00 | 48.7 | 47.3 | 57.1 | |
| 05:00 | 15:00 | 52.7 | 48.0 | 70.7 | |
| 05:15 | 15:00 | 51.1 | 46.5 | 69.3 | |
| 05:30 | 15:00 | 54.3 | 47.9 | 71.1 | |
| 05:45 | 15:00 | 52.7 | 48.4 | 70.8 | |
| 06:00 | 15:00 | 55.0 | 48.9 | 78.0 | |
| 06:15 | 15:00 | 54.1 | 48.1 | 71.0 | |
| 06:30 | 15:00 | 54.3 | 48.2 | 71.2 | |
| 06:45 | 15:00 | 55.4 | 48.0 | 72.3 | |
| Log Average 2300-0700 | | 52.0 | 47.7 | 55-78 | |
| Average 2300-0700 | | 51.5 | 47.6 | 55-78 | |
| Average 0700-2300 | | 59.8 | 52.5 | 69-91 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 73

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 55.2 | 48.1 | 72.3 | |
| 07:15 | 15:00 | 54.7 | 48.0 | 72.5 | |
| 07:30 | 15:00 | 56.1 | 49.0 | 71.1 | |
| 07:45 | 15:00 | 55.9 | 49.1 | 71.9 | |
| 08:00 | 15:00 | 57.6 | 49.5 | 74.0 | |
| 08:15 | 15:00 | 56.5 | 48.1 | 73.0 | |
| 08:30 | 15:00 | 56.4 | 48.1 | 70.9 | |
| 08:45 | 15:00 | 58.1 | 48.9 | 75.3 | |
| 09:00 | 15:00 | 57.8 | 47.4 | 72.2 | |
| 09:15 | 15:00 | 57.4 | 48.5 | 72.2 | |
| 09:30 | 15:00 | 57.4 | 48.8 | 70.0 | |
| 09:45 | 15:00 | 59.8 | 49.8 | 81.4 | |
| 10:00 | 15:00 | 58.7 | 50.5 | 71.5 | |
| 10:15 | 15:00 | 58.9 | 49.7 | 71.9 | |
| 10:30 | 15:00 | 59.1 | 50.7 | 72.3 | |
| 10:45 | 15:00 | 59.1 | 49.4 | 73.1 | |
| 11:00 | 15:00 | 58.3 | 49.5 | 70.0 | |
| 11:15 | 15:00 | 59.1 | 49.1 | 75.1 | |
| 11:30 | 15:00 | 58.9 | 51.4 | 68.4 | |
| 11:45 | 15:00 | 60.2 | 52.3 | 75.3 | |
| 12:00 | 15:00 | 59.5 | 49.5 | 80.7 | |
| 12:15 | 15:00 | 59.3 | 51.0 | 69.9 | |
| 12:30 | 15:00 | 58.9 | 49.5 | 70.0 | |
| 12:45 | 15:00 | 59.7 | 51.3 | 69.1 | |
| 13:00 | 15:00 | 58.9 | 50.2 | 74.1 | |
| 13:15 | 15:00 | 58.9 | 50.5 | 71.6 | |
| 13:30 | 15:00 | 59.0 | 51.0 | 72.5 | |
| 13:45 | 15:00 | 59.2 | 50.6 | 71.2 | |
| 14:00 | 15:00 | 58.7 | 50.7 | 69.6 | |
| 14:15 | 15:00 | 58.3 | 48.5 | 71.0 | |
| 14:30 | 15:00 | 58.8 | 49.8 | 69.2 | |
| 14:45 | 15:00 | 59.6 | 50.6 | 77.2 | |
| Log Average 0700-1500 | | 58.4 | 49.8 | 68-81 | |
| Average 0700-1500 | | 58.3 | 49.7 | 68-81 | |

Noise Survey Results

Date: Saturday 31st July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 74

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 59.1 | 50.5 | 69.9 | |
| 15:15 | 15:00 | 59.3 | 49.3 | 74.1 | |
| 15:30 | 15:00 | 58.3 | 48.9 | 69.1 | |
| 15:45 | 15:00 | 58.9 | 50.2 | 73.7 | |
| 16:00 | 15:00 | 58.2 | 49.1 | 70.0 | |
| 16:15 | 15:00 | 57.9 | 47.1 | 69.7 | |
| 16:30 | 15:00 | 58.3 | 47.0 | 73.2 | |
| 16:45 | 15:00 | 58.7 | 48.2 | 75.4 | |
| 17:00 | 15:00 | 58.5 | 48.5 | 69.7 | |
| 17:15 | 15:00 | 58.3 | 48.6 | 69.4 | |
| 17:30 | 15:00 | 58.8 | 46.6 | 80.2 | |
| 17:45 | 15:00 | 57.6 | 47.4 | 70.8 | |
| 18:00 | 15:00 | 59.6 | 47.7 | 82.8 | |
| 18:15 | 15:00 | 58.7 | 47.8 | 78.5 | |
| 18:30 | 15:00 | 58.2 | 47.1 | 71.6 | |
| 18:45 | 15:00 | 58.1 | 48.0 | 70.1 | |
| 19:00 | 15:00 | 58.2 | 48.3 | 71.2 | |
| 19:15 | 15:00 | 56.8 | 46.3 | 70.0 | |
| 19:30 | 15:00 | 56.4 | 47.6 | 70.4 | |
| 19:45 | 15:00 | 56.0 | 47.4 | 72.6 | |
| 20:00 | 15:00 | 56.0 | 47.2 | 73.3 | |
| 20:15 | 15:00 | 57.3 | 47.3 | 81.7 | |
| 20:30 | 15:00 | 56.3 | 47.3 | 74.4 | |
| 20:45 | 15:00 | 56.8 | 47.3 | 79.4 | |
| 21:00 | 15:00 | 54.4 | 46.5 | 70.9 | |
| 21:15 | 15:00 | 54.6 | 47.0 | 69.2 | |
| 21:30 | 15:00 | 54.4 | 47.7 | 70.8 | |
| 21:45 | 15:00 | 54.2 | 48.1 | 70.8 | |
| 22:00 | 15:00 | 54.8 | 46.9 | 74.1 | |
| 22:15 | 15:00 | 53.8 | 46.6 | 70.1 | |
| 22:30 | 15:00 | 53.3 | 47.0 | 70.0 | |
| 22:45 | 15:00 | 53.0 | 47.4 | 71.0 | |
| Log Average 1500-2300 | | 57.3 | 47.8 | 69-83 | |
| Average 1500-2300 | | 57.0 | 47.7 | 69-83 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 75

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 51.8 | 46.6 | 70.2 | |
| 23:15 | 15:00 | 51.8 | 46.8 | 70.1 | |
| 23:30 | 15:00 | 52.2 | 47.0 | 69.9 | |
| 23:45 | 15:00 | 51.2 | 45.9 | 70.6 | |
| 00:00 | 15:00 | 51.2 | 42.6 | 69.9 | |
| 00:15 | 15:00 | 49.8 | 43.1 | 69.3 | |
| 00:30 | 15:00 | 49.2 | 42.0 | 69.7 | |
| 00:45 | 15:00 | 49.5 | 43.9 | 70.6 | |
| 01:00 | 15:00 | 52.5 | 47.4 | 71.8 | |
| 01:15 | 15:00 | 51.8 | 45.1 | 77.6 | |
| 01:30 | 15:00 | 49.7 | 46.6 | 64.2 | |
| 01:45 | 15:00 | 47.9 | 45.6 | 68.9 | |
| 02:00 | 15:00 | 51.6 | 47.5 | 72.3 | |
| 02:15 | 15:00 | 47.6 | 45.0 | 68.9 | |
| 02:30 | 15:00 | 47.9 | 44.9 | 66.8 | |
| 02:45 | 15:00 | 50.0 | 44.8 | 74.1 | |
| 03:00 | 15:00 | 49.5 | 46.3 | 69.8 | |
| 03:15 | 15:00 | 48.4 | 45.0 | 68.8 | |
| 03:30 | 15:00 | 47.5 | 45.2 | 66.5 | |
| 03:45 | 15:00 | 49.4 | 43.0 | 71.5 | |
| 04:00 | 15:00 | 48.4 | 45.0 | 69.0 | |
| 04:15 | 15:00 | 47.8 | 45.2 | 65.6 | |
| 04:30 | 15:00 | 48.3 | 45.5 | 67.5 | |
| 04:45 | 15:00 | 47.0 | 44.7 | 65.0 | |
| 05:00 | 15:00 | 58.5 | 45.2 | 88.7 | |
| 05:15 | 15:00 | 48.8 | 44.9 | 69.8 | |
| 05:30 | 15:00 | 52.5 | 44.4 | 72.8 | |
| 05:45 | 15:00 | 52.1 | 44.5 | 71.1 | |
| 06:00 | 15:00 | 53.7 | 46.2 | 70.0 | |
| 06:15 | 15:00 | 51.9 | 46.8 | 68.3 | |
| 06:30 | 15:00 | 53.7 | 46.6 | 71.8 | |
| 06:45 | 15:00 | 54.5 | 47.2 | 72.4 | |
| Log Average 2300-0700 | | 51.4 | 45.5 | 64-89 | |
| Average 2300-0700 | | 50.6 | 45.3 | 64-89 | |
| Average 0700-2300 | | 57.9 | 48.9 | 68-83 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 76

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 54.9 | 48.1 | 71.2 | |
| 07:15 | 15:00 | 55.7 | 49.0 | 71.8 | |
| 07:30 | 15:00 | 55.5 | 49.5 | 70.6 | |
| 07:45 | 15:00 | 56.2 | 49.7 | 74.0 | |
| 08:00 | 15:00 | 55.5 | 50.2 | 71.6 | |
| 08:15 | 15:00 | 54.5 | 49.8 | 69.5 | |
| 08:30 | 15:00 | 56.6 | 50.2 | 74.5 | |
| 08:45 | 15:00 | 56.1 | 49.7 | 69.9 | |
| 09:00 | 15:00 | 56.8 | 48.5 | 69.7 | |
| 09:15 | 15:00 | 57.0 | 48.7 | 70.1 | |
| 09:30 | 15:00 | 57.3 | 49.1 | 70.3 | |
| 09:45 | 15:00 | 59.5 | 49.3 | 77.6 | |
| 10:00 | 15:00 | 58.0 | 49.8 | 70.9 | |
| 10:15 | 15:00 | 57.9 | 49.3 | 71.1 | |
| 10:30 | 15:00 | 58.8 | 50.8 | 70.8 | |
| 10:45 | 15:00 | 58.9 | 51.6 | 69.6 | |
| 11:00 | 15:00 | 59.6 | 52.0 | 74.0 | |
| 11:15 | 15:00 | 59.3 | 52.1 | 72.9 | |
| 11:30 | 15:00 | 59.3 | 51.3 | 73.9 | |
| 11:45 | 15:00 | 59.8 | 49.7 | 73.2 | |
| 12:00 | 15:00 | 60.8 | 52.6 | 79.8 | |
| 12:15 | 15:00 | 59.5 | 50.9 | 74.2 | |
| 12:30 | 15:00 | 59.6 | 51.0 | 71.6 | |
| 12:45 | 15:00 | 59.8 | 50.9 | 78.1 | |
| 13:00 | 15:00 | 58.3 | 49.2 | 71.6 | |
| 13:15 | 15:00 | 58.5 | 48.9 | 68.4 | |
| 13:30 | 15:00 | 59.0 | 49.0 | 75.2 | |
| 13:45 | 15:00 | 59.0 | 50.3 | 75.2 | |
| 14:00 | 15:00 | 59.1 | 50.0 | 79.9 | |
| 14:15 | 15:00 | 57.8 | 49.3 | 71.9 | |
| 14:30 | 15:00 | 57.5 | 46.5 | 75.4 | |
| 14:45 | 15:00 | 58.4 | 49.4 | 71.3 | |
| Log Average 0700-1500 | | 58.2 | 50.0 | 68-80 | |
| Average 0700-1500 | | 58.0 | 49.9 | 68-80 | |

Noise Survey Results

Date: Sunday 1st August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 77

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 57.8 | 47.7 | 70.8 | |
| 15:15 | 15:00 | 57.6 | 48.4 | 71.7 | |
| 15:30 | 15:00 | 62.3 | 47.9 | 86.4 | |
| 15:45 | 15:00 | 59.1 | 48.2 | 74.4 | |
| 16:00 | 15:00 | 58.0 | 49.4 | 69.2 | |
| 16:15 | 15:00 | 58.5 | 49.8 | 69.3 | |
| 16:30 | 15:00 | 57.8 | 46.8 | 70.8 | |
| 16:45 | 15:00 | 59.0 | 49.0 | 76.2 | |
| 17:00 | 15:00 | 59.3 | 51.2 | 71.4 | |
| 17:15 | 15:00 | 59.0 | 49.3 | 74.6 | |
| 17:30 | 15:00 | 57.1 | 48.0 | 69.0 | |
| 17:45 | 15:00 | 58.6 | 48.6 | 75.7 | |
| 18:00 | 15:00 | 57.9 | 48.9 | 70.9 | |
| 18:15 | 15:00 | 58.5 | 48.8 | 77.0 | |
| 18:30 | 15:00 | 56.9 | 47.4 | 70.6 | |
| 18:45 | 15:00 | 57.7 | 46.9 | 75.1 | |
| 19:00 | 15:00 | 57.3 | 47.2 | 72.5 | |
| 19:15 | 15:00 | 56.0 | 46.4 | 71.0 | |
| 19:30 | 15:00 | 56.4 | 46.9 | 72.4 | |
| 19:45 | 15:00 | 56.7 | 47.1 | 72.1 | |
| 20:00 | 15:00 | 57.3 | 47.1 | 76.0 | |
| 20:15 | 15:00 | 56.9 | 47.3 | 75.4 | |
| 20:30 | 15:00 | 55.0 | 47.3 | 71.0 | |
| 20:45 | 15:00 | 55.5 | 47.9 | 70.9 | |
| 21:00 | 15:00 | 55.4 | 48.0 | 72.0 | |
| 21:15 | 15:00 | 54.0 | 47.7 | 69.3 | |
| 21:30 | 15:00 | 56.3 | 48.1 | 80.0 | |
| 21:45 | 15:00 | 54.2 | 48.7 | 69.9 | |
| 22:00 | 15:00 | 54.7 | 48.4 | 74.8 | |
| 22:15 | 15:00 | 53.1 | 47.4 | 72.3 | |
| 22:30 | 15:00 | 51.3 | 46.8 | 68.8 | |
| 22:45 | 15:00 | 51.7 | 47.1 | 70.4 | |
| Log Average 1500-2300 | | 57.3 | 48.1 | 69-86 | |
| Average 1500-2300 | | 56.8 | 48.0 | 69-86 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 78

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 52.0 | 46.6 | 73.4 | |
| 23:15 | 15:00 | 50.5 | 45.8 | 72.2 | |
| 23:30 | 15:00 | 60.2 | 45.9 | 89.4 | |
| 23:45 | 15:00 | 50.0 | 45.7 | 71.7 | |
| 00:00 | 15:00 | 49.1 | 45.6 | 69.3 | |
| 00:15 | 15:00 | 50.0 | 46.8 | 69.2 | |
| 00:30 | 15:00 | 48.5 | 46.1 | 69.2 | |
| 00:45 | 15:00 | 47.8 | 45.5 | 67.5 | |
| 01:00 | 15:00 | 48.6 | 45.0 | 67.4 | |
| 01:15 | 15:00 | 47.2 | 46.3 | 52.9 | |
| 01:30 | 15:00 | 48.6 | 46.7 | 65.1 | |
| 01:45 | 15:00 | 49.3 | 46.4 | 69.4 | |
| 02:00 | 15:00 | 48.1 | 47.1 | 54.7 | |
| 02:15 | 15:00 | 48.6 | 46.3 | 71.2 | |
| 02:30 | 15:00 | 48.7 | 46.6 | 71.2 | |
| 02:45 | 15:00 | 49.4 | 47.1 | 69.6 | |
| 03:00 | 15:00 | 52.8 | 48.0 | 72.9 | |
| 03:15 | 15:00 | 51.8 | 47.2 | 73.3 | |
| 03:30 | 15:00 | 50.3 | 46.8 | 70.4 | |
| 03:45 | 15:00 | 49.5 | 47.2 | 68.1 | |
| 04:00 | 15:00 | 49.2 | 46.2 | 67.9 | |
| 04:15 | 15:00 | 48.6 | 45.6 | 66.5 | |
| 04:30 | 15:00 | 50.2 | 46.3 | 71.3 | |
| 04:45 | 15:00 | 51.2 | 46.7 | 70.7 | |
| 05:00 | 15:00 | 51.7 | 47.4 | 68.7 | |
| 05:15 | 15:00 | 53.3 | 47.4 | 70.6 | |
| 05:30 | 15:00 | 54.2 | 47.4 | 68.6 | |
| 05:45 | 15:00 | 53.7 | 46.9 | 70.9 | |
| 06:00 | 15:00 | 56.9 | 47.9 | 75.2 | |
| 06:15 | 15:00 | 55.1 | 48.4 | 73.0 | |
| 06:30 | 15:00 | 56.2 | 48.0 | 70.0 | |
| 06:45 | 15:00 | 57.1 | 49.2 | 75.7 | |
| Log Average 2300-0700 | | 52.6 | 46.8 | 53-89 | |
| Average 2300-0700 | | 51.2 | 46.8 | 53-89 | |
| Average 0700-2300 | | 57.8 | 49.2 | 68-86 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 79

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 57.0 | 48.7 | 72.1 | |
| 07:15 | 15:00 | 57.7 | 49.1 | 73.7 | |
| 07:30 | 15:00 | 58.4 | 49.6 | 76.7 | |
| 07:45 | 15:00 | 58.2 | 50.5 | 70.9 | |
| 08:00 | 15:00 | 57.8 | 49.0 | 70.1 | |
| 08:15 | 15:00 | 58.0 | 48.4 | 72.5 | |
| 08:30 | 15:00 | 56.3 | 45.6 | 71.1 | |
| 08:45 | 15:00 | 56.6 | 46.0 | 70.7 | |
| 09:00 | 15:00 | 57.0 | 47.1 | 68.9 | |
| 09:15 | 15:00 | 57.4 | 48.3 | 70.5 | |
| 09:30 | 15:00 | 57.3 | 48.2 | 70.9 | |
| 09:45 | 15:00 | 57.8 | 48.7 | 71.3 | |
| 10:00 | 15:00 | 57.3 | 47.2 | 71.5 | |
| 10:15 | 15:00 | 57.6 | 47.1 | 69.3 | |
| 10:30 | 15:00 | 57.2 | 46.9 | 68.6 | |
| 10:45 | 15:00 | 60.1 | 47.4 | 80.7 | |
| 11:00 | 15:00 | 59.5 | 47.6 | 79.1 | |
| 11:15 | 15:00 | 57.1 | 47.7 | 68.6 | |
| 11:30 | 15:00 | 58.2 | 48.6 | 74.0 | |
| 11:45 | 15:00 | 58.4 | 49.6 | 71.2 | |
| 12:00 | 15:00 | 57.9 | 47.6 | 75.6 | |
| 12:15 | 15:00 | 58.0 | 48.4 | 69.5 | |
| 12:30 | 15:00 | 57.5 | 49.3 | 71.3 | |
| 12:45 | 15:00 | 57.7 | 47.1 | 72.0 | |
| 13:00 | 15:00 | 57.5 | 48.1 | 71.2 | |
| 13:15 | 15:00 | 58.4 | 48.2 | 71.4 | |
| 13:30 | 15:00 | 58.0 | 48.0 | 68.6 | |
| 13:45 | 15:00 | 57.5 | 48.2 | 70.4 | |
| 14:00 | 15:00 | 57.7 | 47.8 | 70.4 | |
| 14:15 | 15:00 | 57.7 | 47.0 | 72.1 | |
| 14:30 | 15:00 | 56.9 | 45.9 | 84.3 | |
| 14:45 | 15:00 | 58.2 | 49.2 | 71.1 | |
| Log Average 0700-1500 | | 57.8 | 48.1 | 69-84 | |
| Average 0700-1500 | | 57.7 | 48.0 | 69-84 | |

Noise Survey Results

Date: Monday 2nd August 2021

TABLE 80

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 57.4 | 49.8 | 69.3 | |
| 15:15 | 15:00 | 58.1 | 48.4 | 72.2 | |
| 15:30 | 15:00 | 57.8 | 48.2 | 71.3 | |
| 15:45 | 15:00 | 58.3 | 46.9 | 75.3 | |
| 16:00 | 15:00 | 58.5 | 47.6 | 70.7 | |
| 16:15 | 15:00 | 58.6 | 47.4 | 68.4 | |
| 16:30 | 15:00 | 59.3 | 49.3 | 77.4 | |
| 16:45 | 15:00 | 58.4 | 48.5 | 69.5 | |
| 17:00 | 15:00 | 59.4 | 50.8 | 71.0 | |
| 17:15 | 15:00 | 59.5 | 51.3 | 73.6 | |
| 17:30 | 15:00 | 60.2 | 51.8 | 83.7 | |
| 17:45 | 15:00 | 58.7 | 49.7 | 68.3 | |
| 18:00 | 15:00 | 59.4 | 49.3 | 72.0 | |
| 18:15 | 15:00 | 59.5 | 49.4 | 75.4 | |
| 18:30 | 15:00 | 57.7 | 47.2 | 70.0 | |
| 18:45 | 15:00 | 57.3 | 46.7 | 68.9 | |
| 19:00 | 15:00 | 57.2 | 46.3 | 73.3 | |
| 19:15 | 15:00 | 56.6 | 46.0 | 71.8 | |
| 19:30 | 15:00 | 56.8 | 46.1 | 72.9 | |
| 19:45 | 15:00 | 56.9 | 47.1 | 74.3 | |
| 20:00 | 15:00 | 56.1 | 46.9 | 70.4 | |
| 20:15 | 15:00 | 56.6 | 47.1 | 72.5 | |
| 20:30 | 15:00 | 55.7 | 47.6 | 72.5 | |
| 20:45 | 15:00 | 55.8 | 48.3 | 72.7 | |
| 21:00 | 15:00 | 55.3 | 48.8 | 70.9 | |
| 21:15 | 15:00 | 55.1 | 47.8 | 69.3 | |
| 21:30 | 15:00 | 55.5 | 48.4 | 71.3 | |
| 21:45 | 15:00 | 53.6 | 46.6 | 69.3 | |
| 22:00 | 15:00 | 53.3 | 45.5 | 72.8 | |
| 22:15 | 15:00 | 53.3 | 44.3 | 73.3 | |
| 22:30 | 15:00 | 51.6 | 43.4 | 69.1 | |
| 22:45 | 15:00 | 50.5 | 43.8 | 68.8 | |
| Log Average 1500-2300 | | 57.3 | 48.1 | 68-84 | |
| Average 1500-2300 | | 56.8 | 47.7 | 68-84 | |

Noise Survey Results

Date: Monday 2nd - Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 81

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 49.7 | 41.7 | 70.3 | |
| 23:15 | 15:00 | 50.5 | 43.0 | 73.1 | |
| 23:30 | 15:00 | 49.2 | 41.3 | 69.8 | |
| 23:45 | 15:00 | 48.8 | 44.3 | 71.9 | |
| 00:00 | 15:00 | 48.9 | 42.4 | 73.7 | |
| 00:15 | 15:00 | 45.9 | 42.1 | 67.6 | |
| 00:30 | 15:00 | 47.1 | 41.4 | 67.1 | |
| 00:45 | 15:00 | 43.4 | 40.9 | 65.0 | |
| 01:00 | 15:00 | 46.4 | 43.6 | 64.4 | |
| 01:15 | 15:00 | 48.6 | 45.6 | 65.7 | |
| 01:30 | 15:00 | 47.3 | 45.4 | 68.8 | |
| 01:45 | 15:00 | 46.1 | 44.6 | 63.1 | |
| 02:00 | 15:00 | 48.1 | 44.7 | 72.1 | |
| 02:15 | 15:00 | 47.0 | 43.9 | 66.6 | |
| 02:30 | 15:00 | 47.2 | 44.3 | 67.7 | |
| 02:45 | 15:00 | 48.0 | 45.4 | 67.6 | |
| 03:00 | 15:00 | 46.4 | 44.2 | 62.9 | |
| 03:15 | 15:00 | 51.2 | 44.5 | 71.5 | |
| 03:30 | 15:00 | 45.6 | 44.0 | 65.2 | |
| 03:45 | 15:00 | 47.5 | 43.6 | 70.4 | |
| 04:00 | 15:00 | 49.9 | 45.4 | 70.3 | |
| 04:15 | 15:00 | 49.3 | 45.4 | 69.3 | |
| 04:30 | 15:00 | 48.5 | 45.2 | 71.9 | |
| 04:45 | 15:00 | 56.2 | 44.7 | 92.5 | |
| 05:00 | 15:00 | 54.5 | 44.4 | 75.1 | |
| 05:15 | 15:00 | 53.1 | 46.2 | 70.1 | |
| 05:30 | 15:00 | 54.8 | 46.5 | 69.4 | |
| 05:45 | 15:00 | 54.4 | 44.8 | 72.5 | |
| 06:00 | 15:00 | 55.8 | 45.8 | 72.1 | |
| 06:15 | 15:00 | 55.5 | 46.3 | 70.4 | |
| 06:30 | 15:00 | 56.5 | 48.0 | 71.2 | |
| 06:45 | 15:00 | 56.4 | 45.7 | 70.8 | |
| Log Average 2300-0700 | | 51.5 | 44.6 | 63-93 | |
| Average 2300-0700 | | 49.9 | 44.4 | 63-93 | |
| Average 0700-2300 | | 57.5 | 48.1 | 68-84 | |

Noise Survey Results

Date: Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 82

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

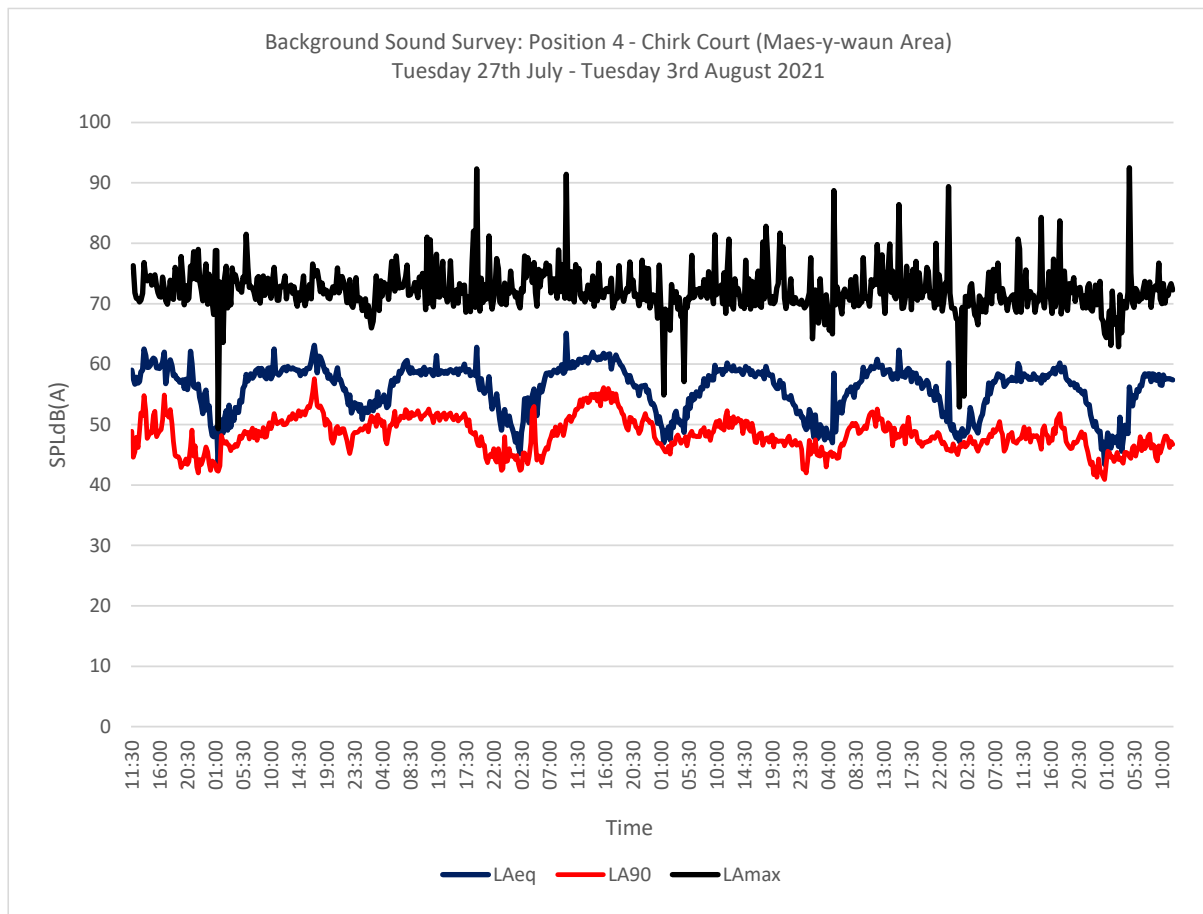
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

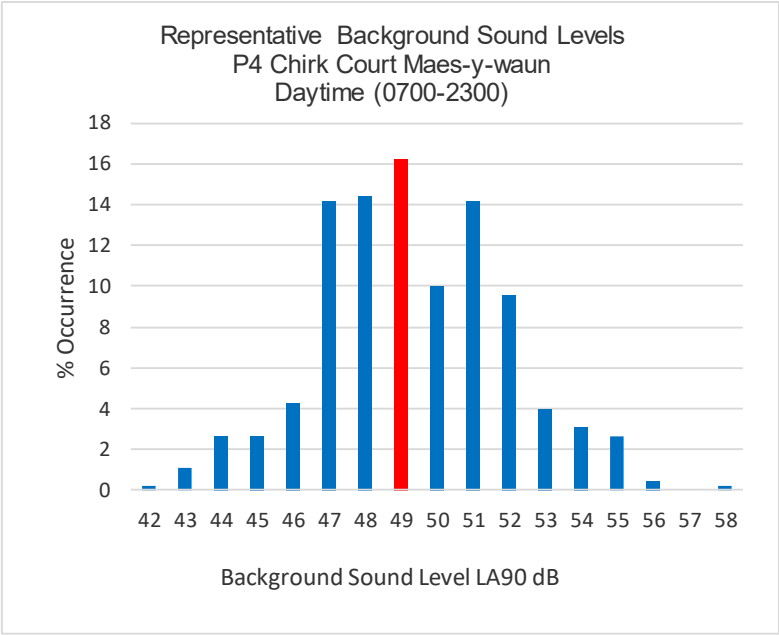
| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 57.9 | 47.3 | 72.5 | |
| 07:15 | 15:00 | 58.4 | 46.0 | 73.7 | |
| 07:30 | 15:00 | 58.0 | 46.6 | 71.0 | |
| 07:45 | 15:00 | 58.4 | 48.0 | 72.0 | |
| 08:00 | 15:00 | 58.4 | 48.4 | 73.6 | |
| 08:15 | 15:00 | 57.1 | 46.1 | 69.4 | |
| 08:30 | 15:00 | 58.4 | 46.7 | 71.7 | |
| 08:45 | 15:00 | 58.3 | 46.5 | 72.7 | |
| 09:00 | 15:00 | 57.4 | 44.6 | 73.0 | |
| 09:15 | 15:00 | 57.3 | 44.0 | 72.3 | |
| 09:30 | 15:00 | 58.3 | 46.5 | 76.7 | |
| 09:45 | 15:00 | 56.6 | 45.3 | 70.8 | |
| 10:00 | 15:00 | 56.5 | 46.2 | 70.0 | |
| 10:15 | 15:00 | 58.2 | 47.2 | 73.3 | |
| 10:30 | 15:00 | 57.5 | 48.1 | 70.1 | |
| 10:45 | 15:00 | 57.6 | 48.1 | 72.0 | |
| 11:00 | 15:00 | 57.6 | 47.5 | 71.4 | |
| 11:15 | 15:00 | 57.6 | 46.2 | 72.7 | |
| 11:30 | 15:00 | 57.5 | 47.2 | 73.3 | |
| 11:45 | 15:00 | 57.4 | 46.7 | 72.3 | |
| Log Average 0700-1200 | | 57.7 | 46.7 | 69-77 | |
| Average 0700-1200 | | 57.7 | 46.7 | 69-77 | |
| Overall Log Average | | 52.8 | 47 | 49-93 | With Rain |
| Overall Log Average | | 58.5 | 49.7 | 68-92 | With Rain |

| | | | | |
|---------------------|------|----|-------|---------|
| Overall Log Average | 52.8 | 47 | 49-93 | No Rain |
| Overall Log Average | 58.5 | 50 | 68-92 | No Rain |

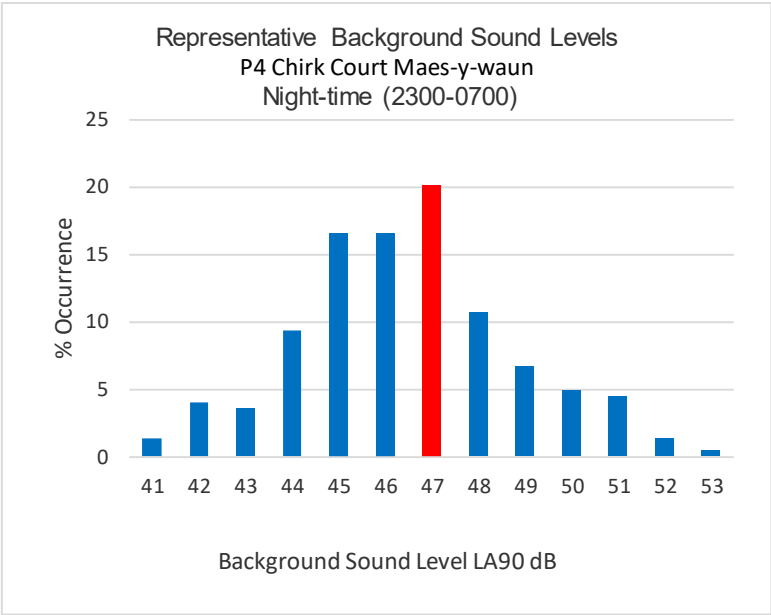


LA90 Representative Levels

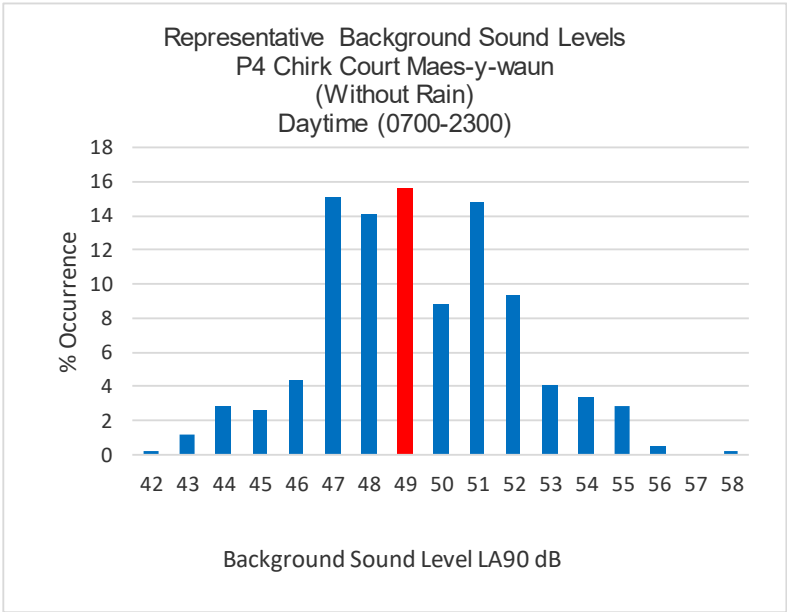
| LA90 | % Occurrence |
|------|--------------|
| 42 | 0.2 |
| 43 | 1.1 |
| 44 | 2.7 |
| 45 | 2.7 |
| 46 | 4.2 |
| 47 | 14.2 |
| 48 | 14.4 |
| 49 | 16.2 |
| 50 | 10.0 |
| 51 | 14.2 |
| 52 | 9.6 |
| 53 | 4.0 |
| 54 | 3.1 |
| 55 | 2.7 |
| 56 | 0.4 |
| 57 | 0.0 |
| 58 | 0.2 |



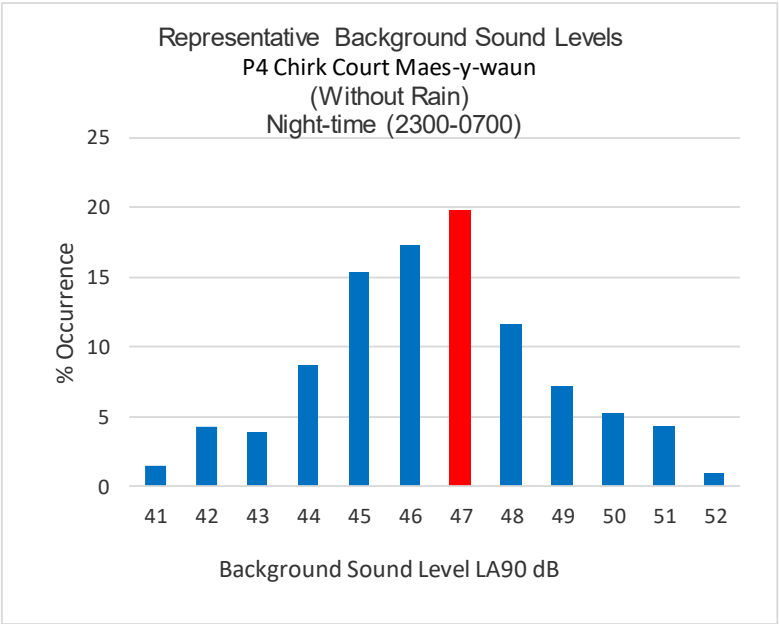
| LA90 | % Occurrence |
|------|--------------|
| 41 | 1.3 |
| 42 | 4.0 |
| 43 | 3.6 |
| 44 | 9.4 |
| 45 | 16.5 |
| 46 | 16.5 |
| 47 | 20.1 |
| 48 | 10.7 |
| 49 | 6.7 |
| 50 | 4.9 |
| 51 | 4.5 |
| 52 | 1.3 |
| 53 | 0.4 |



| LA90 | % Occurrence |
|------|--------------|
| 42 | 0.2 |
| 43 | 1.2 |
| 44 | 2.9 |
| 45 | 2.6 |
| 46 | 4.3 |
| 47 | 15.1 |
| 48 | 14.1 |
| 49 | 15.6 |
| 50 | 8.9 |
| 51 | 14.8 |
| 52 | 9.3 |
| 53 | 4.1 |
| 54 | 3.3 |
| 55 | 2.9 |
| 56 | 0.5 |
| 57 | 0.0 |
| 58 | 0.2 |



| LA90 | % Occurrence |
|------|--------------|
| 41 | 1.4 |
| 42 | 4.3 |
| 43 | 3.8 |
| 44 | 8.7 |
| 45 | 15.4 |
| 46 | 17.3 |
| 47 | 19.7 |
| 48 | 11.5 |
| 49 | 7.2 |
| 50 | 5.3 |
| 51 | 4.3 |
| 52 | 1.0 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 83

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 11:00 | 15:00 | 55.6 | 41.2 | 81.5 | Rain |
| 11:15 | 15:00 | 50.2 | 40.6 | 73.8 | |
| 11:30 | 15:00 | 49.1 | 39.8 | 65.8 | |
| 11:45 | 15:00 | 52.1 | 39.9 | 76.4 | |
| 12:00 | 15:00 | 49.0 | 45.9 | 63.9 | |
| 12:15 | 15:00 | 55.6 | 45.1 | 80.4 | |
| 12:30 | 15:00 | 55.1 | 46.5 | 69.9 | |
| 12:45 | 15:00 | 52.3 | 44.7 | 67.3 | |
| 13:00 | 15:00 | 55.2 | 38.0 | 77.3 | |
| 13:15 | 15:00 | 50.8 | 38.2 | 67.7 | |
| 13:30 | 15:00 | 55.1 | 43.7 | 77.2 | Rain |
| 13:45 | 15:00 | 52.6 | 47.6 | 74.4 | |
| 14:00 | 15:00 | 55.8 | 40.3 | 77.1 | |
| 14:15 | 15:00 | 56.6 | 42.0 | 75.3 | |
| 14:30 | 15:00 | 53.5 | 39.7 | 73.6 | |
| 14:45 | 15:00 | 49.1 | 37.5 | 66.0 | Rain |
| Log Average 1100-1500 | | 53.6 | 43.0 | 64-82 | |
| Average 1100-1500 | | 53.0 | 41.9 | 64-82 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 84

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 53.7 | 38.7 | 75.1 | Rain |
| 15:15 | 15:00 | 51.2 | 37.1 | 68.2 | |
| 15:30 | 15:00 | 52.0 | 35.7 | 76.7 | Rain |
| 15:45 | 15:00 | 54.1 | 38.0 | 69.9 | |
| 16:00 | 15:00 | 53.4 | 37.3 | 70.0 | |
| 16:15 | 15:00 | 53.8 | 35.9 | 70.4 | |
| 16:30 | 15:00 | 51.8 | 36.0 | 76.4 | |
| 16:45 | 15:00 | 56.7 | 35.4 | 80.3 | |
| 17:00 | 15:00 | 52.8 | 34.6 | 73.4 | |
| 17:15 | 15:00 | 50.3 | 34.5 | 66.6 | Rain |
| 17:30 | 15:00 | 51.2 | 35.0 | 67.8 | |
| 17:45 | 15:00 | 52.1 | 36.5 | 74.0 | |
| 18:00 | 15:00 | 57.1 | 36.2 | 90.2 | |
| 18:15 | 15:00 | 49.8 | 36.1 | 69.3 | |
| 18:30 | 15:00 | 48.1 | 34.7 | 68.8 | |
| 18:45 | 15:00 | 48.7 | 34.6 | 66.1 | |
| 19:00 | 15:00 | 48.3 | 33.3 | 67.4 | |
| 19:15 | 15:00 | 48.8 | 35.5 | 67.4 | |
| 19:30 | 15:00 | 48.9 | 34.1 | 67.5 | |
| 19:45 | 15:00 | 46.0 | 33.8 | 67.7 | |
| 20:00 | 15:00 | 58.7 | 36.1 | 70.1 | |
| 20:15 | 15:00 | 56.7 | 44.7 | 71.8 | |
| 20:30 | 15:00 | 49.4 | 38.9 | 68.6 | |
| 20:45 | 15:00 | 48.7 | 36.7 | 66.7 | |
| 21:00 | 15:00 | 45.1 | 38.1 | 66.6 | |
| 21:15 | 15:00 | 44.2 | 34.3 | 65.4 | Rain |
| 21:30 | 15:00 | 44.7 | 33.5 | 66.3 | |
| 21:45 | 15:00 | 41.1 | 34.2 | 69.9 | |
| 22:00 | 15:00 | 45.0 | 34.7 | 72.4 | |
| 22:15 | 15:00 | 40.6 | 34.6 | 63.5 | |
| 22:30 | 15:00 | 48.4 | 36.6 | 71.8 | |
| 22:45 | 15:00 | 44.8 | 38.2 | 67.1 | |
| Log Average 1500-2300 | | 51.9 | 36.8 | 64-90 | |
| Average 1500-2300 | | 49.9 | 36.0 | 64-90 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 85

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 43.9 | 35.2 | 65.0 | |
| 23:15 | 15:00 | 41.7 | 33.8 | 67.5 | |
| 23:30 | 15:00 | 40.1 | 35.6 | 61.9 | |
| 23:45 | 15:00 | 40.5 | 37.8 | 46.6 | |
| 00:00 | 15:00 | 42.7 | 38.9 | 66.0 | |
| 00:15 | 15:00 | 38.5 | 35.4 | 43.9 | |
| 00:30 | 15:00 | 35.3 | 34.1 | 40.7 | |
| 00:45 | 15:00 | 40.3 | 35.5 | 46.3 | |
| 01:00 | 15:00 | 43.1 | 39.0 | 51.0 | |
| 01:15 | 15:00 | 41.8 | 38.6 | 47.0 | |
| 01:30 | 15:00 | 44.2 | 39.4 | 61.5 | |
| 01:45 | 15:00 | 44.2 | 41.4 | 59.6 | |
| 02:00 | 15:00 | 43.1 | 38.7 | 61.6 | |
| 02:15 | 15:00 | 42.1 | 39.7 | 48.6 | |
| 02:30 | 15:00 | 41.1 | 39.2 | 49.6 | |
| 02:45 | 15:00 | 40.4 | 37.3 | 50.1 | Rain |
| 03:00 | 15:00 | 42.5 | 38.7 | 61.7 | Rain |
| 03:15 | 15:00 | 42.4 | 40.4 | 57.0 | |
| 03:30 | 15:00 | 43.9 | 39.7 | 66.5 | |
| 03:45 | 15:00 | 42.2 | 39.7 | 46.6 | |
| 04:00 | 15:00 | 45.5 | 40.3 | 63.4 | |
| 04:15 | 15:00 | 47.4 | 40.3 | 67.4 | |
| 04:30 | 15:00 | 47.2 | 40.7 | 68.9 | |
| 04:45 | 15:00 | 47.7 | 41.2 | 65.6 | |
| 05:00 | 15:00 | 52.8 | 40.8 | 76.5 | |
| 05:15 | 15:00 | 47.0 | 40.8 | 64.0 | |
| 05:30 | 15:00 | 48.1 | 39.5 | 64.1 | |
| 05:45 | 15:00 | 46.7 | 39.7 | 65.7 | |
| 06:00 | 15:00 | 49.5 | 39.3 | 67.6 | |
| 06:15 | 15:00 | 51.2 | 36.1 | 69.0 | |
| 06:30 | 15:00 | 51.3 | 35.8 | 68.4 | |
| 06:45 | 15:00 | 50.0 | 35.8 | 72.3 | |
| Log Average 2300-0700 | | 46.2 | 38.8 | 41-77 | |
| Average 2300-0700 | | 44.3 | 38.4 | 41-77 | |
| Average 1100-2300 | | 52.7 | 40.2 | 64-90 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 86

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 50.7 | 34.8 | 66.9 | |
| 07:15 | 15:00 | 50.5 | 36.0 | 69.5 | |
| 07:30 | 15:00 | 50.5 | 37.1 | 69.6 | |
| 07:45 | 15:00 | 51.0 | 38.0 | 69.9 | |
| 08:00 | 15:00 | 51.6 | 39.9 | 68.7 | |
| 08:15 | 15:00 | 50.8 | 38.3 | 67.3 | |
| 08:30 | 15:00 | 50.7 | 38.8 | 68.9 | |
| 08:45 | 15:00 | 49.3 | 41.0 | 64.9 | |
| 09:00 | 15:00 | 49.8 | 38.4 | 65.9 | |
| 09:15 | 15:00 | 50.3 | 40.9 | 66.2 | |
| 09:30 | 15:00 | 50.1 | 43.1 | 65.8 | |
| 09:45 | 15:00 | 50.0 | 42.0 | 74.0 | |
| 10:00 | 15:00 | 51.2 | 42.6 | 67.0 | |
| 10:15 | 15:00 | 49.7 | 41.7 | 66.7 | |
| 10:30 | 15:00 | 50.3 | 43.2 | 66.2 | |
| 10:45 | 15:00 | 54.2 | 40.3 | 74.1 | |
| 11:00 | 15:00 | 55.6 | 42.0 | 87.0 | |
| 11:15 | 15:00 | 51.9 | 41.3 | 69.9 | |
| 11:30 | 15:00 | 55.2 | 41.7 | 76.1 | |
| 11:45 | 15:00 | 52.1 | 41.9 | 69.1 | |
| 12:00 | 15:00 | 50.9 | 42.8 | 65.7 | Rain |
| 12:15 | 15:00 | 50.6 | 41.6 | 68.2 | |
| 12:30 | 15:00 | 51.6 | 42.9 | 67.5 | |
| 12:45 | 15:00 | 51.1 | 43.4 | 68.2 | |
| 13:00 | 15:00 | 49.9 | 42.0 | 66.6 | |
| 13:15 | 15:00 | 52.3 | 43.7 | 68.0 | |
| 13:30 | 15:00 | 52.3 | 44.8 | 65.9 | |
| 13:45 | 15:00 | 50.0 | 44.1 | 66.0 | |
| 14:00 | 15:00 | 51.4 | 44.7 | 66.4 | Rain |
| 14:15 | 15:00 | 54.8 | 44.7 | 76.9 | |
| 14:30 | 15:00 | 53.6 | 42.3 | 74.2 | |
| 14:45 | 15:00 | 54.9 | 45.3 | 70.3 | |
| Log Average 0700-1500 | | 51.9 | 42.0 | 65-87 | |
| Average 0700-1500 | | 51.5 | 41.4 | 65-87 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 87

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 55.6 | 45.8 | 76.8 | |
| 15:15 | 15:00 | 52.3 | 45.8 | 70.2 | |
| 15:30 | 15:00 | 54.2 | 47.4 | 69.4 | |
| 15:45 | 15:00 | 53.1 | 46.6 | 67.1 | |
| 16:00 | 15:00 | 58.6 | 50.0 | 75.6 | |
| 16:15 | 15:00 | 55.8 | 46.3 | 72.0 | |
| 16:30 | 15:00 | 53.8 | 42.4 | 67.5 | |
| 16:45 | 15:00 | 55.1 | 41.8 | 74.9 | |
| 17:00 | 15:00 | 53.8 | 45.1 | 71.1 | |
| 17:15 | 15:00 | 51.9 | 45.5 | 73.4 | |
| 17:30 | 15:00 | 52.2 | 43.8 | 67.7 | Rain |
| 17:45 | 15:00 | 52.4 | 44.1 | 71.3 | |
| 18:00 | 15:00 | 51.7 | 44.5 | 66.5 | |
| 18:15 | 15:00 | 50.3 | 43.2 | 68.0 | |
| 18:30 | 15:00 | 52.8 | 44.4 | 83.4 | |
| 18:45 | 15:00 | 49.3 | 39.6 | 65.4 | |
| 19:00 | 15:00 | 48.6 | 39.2 | 64.1 | |
| 19:15 | 15:00 | 48.4 | 38.4 | 64.5 | |
| 19:30 | 15:00 | 50.7 | 41.0 | 66.7 | |
| 19:45 | 15:00 | 52.6 | 44.6 | 69.6 | |
| 20:00 | 15:00 | 50.5 | 40.8 | 69.2 | |
| 20:15 | 15:00 | 46.4 | 41.6 | 65.8 | |
| 20:30 | 15:00 | 48.2 | 41.5 | 64.4 | |
| 20:45 | 15:00 | 47.4 | 42.9 | 66.4 | Rain |
| 21:00 | 15:00 | 49.4 | 41.0 | 68.8 | Rain |
| 21:15 | 15:00 | 47.0 | 39.7 | 66.7 | |
| 21:30 | 15:00 | 46.0 | 37.4 | 65.5 | |
| 21:45 | 15:00 | 45.8 | 35.0 | 65.8 | |
| 22:00 | 15:00 | 45.3 | 35.2 | 66.0 | |
| 22:15 | 15:00 | 44.4 | 38.0 | 63.5 | |
| 22:30 | 15:00 | 45.0 | 40.0 | 63.9 | |
| 22:45 | 15:00 | 45.8 | 39.2 | 61.7 | |
| Log Average 1500-2300 | | 51.9 | 43.5 | 62-84 | |
| Average 1500-2300 | | 50.4 | 42.2 | 62-84 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 88

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 45.0 | 40.7 | 60.9 | |
| 23:15 | 15:00 | 44.1 | 41.2 | 55.8 | |
| 23:30 | 15:00 | 44.3 | 41.1 | 53.1 | |
| 23:45 | 15:00 | 43.8 | 41.7 | 50.9 | |
| 00:00 | 15:00 | 44.3 | 41.3 | 54.7 | |
| 00:15 | 15:00 | 45.1 | 42.0 | 54.2 | |
| 00:30 | 15:00 | 44.8 | 41.2 | 53.2 | |
| 00:45 | 15:00 | 44.6 | 41.2 | 54.4 | |
| 01:00 | 15:00 | 45.8 | 42.2 | 59.0 | |
| 01:15 | 15:00 | 48.8 | 43.8 | 62.9 | |
| 01:30 | 15:00 | 46.1 | 43.3 | 54.0 | |
| 01:45 | 15:00 | 46.8 | 44.0 | 59.3 | |
| 02:00 | 15:00 | 46.7 | 43.0 | 59.7 | |
| 02:15 | 15:00 | 46.0 | 42.1 | 58.7 | |
| 02:30 | 15:00 | 48.0 | 44.5 | 59.9 | Rain |
| 02:45 | 15:00 | 48.6 | 42.3 | 62.4 | Rain |
| 03:00 | 15:00 | 46.8 | 39.2 | 63.8 | |
| 03:15 | 15:00 | 45.8 | 42.4 | 60.8 | |
| 03:30 | 15:00 | 47.6 | 41.7 | 67.2 | |
| 03:45 | 15:00 | 41.5 | 38.9 | 52.5 | |
| 04:00 | 15:00 | 44.2 | 42.1 | 60.7 | |
| 04:15 | 15:00 | 46.3 | 43.4 | 62.2 | |
| 04:30 | 15:00 | 49.7 | 42.1 | 68.2 | |
| 04:45 | 15:00 | 50.3 | 43.5 | 72.3 | |
| 05:00 | 15:00 | 48.3 | 42.3 | 66.7 | |
| 05:15 | 15:00 | 47.6 | 42.3 | 66.3 | |
| 05:30 | 15:00 | 48.9 | 43.2 | 67.7 | |
| 05:45 | 15:00 | 50.3 | 43.8 | 65.4 | |
| 06:00 | 15:00 | 51.1 | 43.4 | 68.6 | |
| 06:15 | 15:00 | 53.0 | 44.1 | 67.9 | |
| 06:30 | 15:00 | 51.8 | 43.7 | 68.3 | |
| 06:45 | 15:00 | 51.6 | 43.4 | 70.3 | |
| Log Average 2300-0700 | | 47.9 | 42.5 | 51-72 | |
| Average 2300-0700 | | 47.1 | 42.3 | 51-72 | |
| Average 0700-2300 | | 51.9 | 42.8 | 62-87 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 89

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 50.7 | 43.9 | 68.3 | |
| 07:15 | 15:00 | 51.0 | 43.2 | 68.2 | |
| 07:30 | 15:00 | 52.4 | 43.2 | 67.3 | |
| 07:45 | 15:00 | 52.0 | 45.9 | 67.0 | |
| 08:00 | 15:00 | 52.9 | 45.1 | 67.4 | |
| 08:15 | 15:00 | 51.5 | 45.4 | 66.3 | |
| 08:30 | 15:00 | 52.1 | 45.7 | 67.8 | |
| 08:45 | 15:00 | 50.9 | 44.5 | 67.1 | |
| 09:00 | 15:00 | 52.2 | 42.9 | 69.0 | |
| 09:15 | 15:00 | 51.9 | 45.1 | 66.1 | |
| 09:30 | 15:00 | 51.7 | 44.7 | 68.6 | |
| 09:45 | 15:00 | 52.9 | 43.7 | 67.1 | |
| 10:00 | 15:00 | 49.6 | 44.0 | 64.6 | |
| 10:15 | 15:00 | 51.6 | 44.5 | 64.4 | |
| 10:30 | 15:00 | 50.5 | 44.6 | 64.6 | |
| 10:45 | 15:00 | 51.2 | 44.6 | 66.2 | |
| 11:00 | 15:00 | 50.7 | 44.9 | 65.1 | |
| 11:15 | 15:00 | 51.1 | 45.2 | 67.4 | |
| 11:30 | 15:00 | 50.2 | 43.2 | 66.3 | |
| 11:45 | 15:00 | 51.2 | 44.0 | 70.3 | |
| 12:00 | 15:00 | 54.3 | 44.7 | 77.0 | |
| 12:15 | 15:00 | 50.9 | 41.8 | 64.3 | |
| 12:30 | 15:00 | 50.0 | 43.7 | 65.3 | |
| 12:45 | 15:00 | 50.9 | 43.4 | 62.2 | |
| 13:00 | 15:00 | 50.0 | 45.2 | 64.2 | |
| 13:15 | 15:00 | 52.3 | 43.4 | 71.0 | |
| 13:30 | 15:00 | 50.7 | 41.4 | 65.2 | |
| 13:45 | 15:00 | 49.9 | 43.5 | 65.6 | |
| 14:00 | 15:00 | 50.1 | 41.9 | 65.7 | |
| 14:15 | 15:00 | 53.8 | 43.1 | 73.2 | |
| 14:30 | 15:00 | 50.4 | 44.2 | 67.1 | |
| 14:45 | 15:00 | 53.7 | 43.6 | 78.7 | |
| Log Average 0700-1500 | | 51.5 | 44.1 | 62-79 | |
| Average 0700-1500 | | 51.4 | 44.0 | 62-79 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 90

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 51.2 | 45.8 | 66.6 | |
| 15:15 | 15:00 | 52.0 | 43.5 | 72.4 | |
| 15:30 | 15:00 | 50.9 | 43.9 | 67.1 | |
| 15:45 | 15:00 | 60.7 | 43.6 | 89.5 | |
| 16:00 | 15:00 | 48.3 | 40.5 | 63.6 | |
| 16:15 | 15:00 | 52.6 | 42.5 | 73.3 | |
| 16:30 | 15:00 | 50.4 | 41.5 | 66.3 | |
| 16:45 | 15:00 | 49.8 | 40.4 | 66.5 | |
| 17:00 | 15:00 | 53.0 | 42.5 | 74.3 | |
| 17:15 | 15:00 | 50.2 | 41.7 | 68.9 | |
| 17:30 | 15:00 | 49.2 | 39.5 | 65.9 | |
| 17:45 | 15:00 | 51.5 | 40.8 | 70.2 | |
| 18:00 | 15:00 | 49.1 | 40.6 | 66.9 | |
| 18:15 | 15:00 | 49.5 | 40.4 | 65.5 | |
| 18:30 | 15:00 | 54.1 | 38.7 | 79.8 | |
| 18:45 | 15:00 | 47.8 | 39.1 | 65.3 | |
| 19:00 | 15:00 | 54.4 | 40.0 | 81.6 | |
| 19:15 | 15:00 | 47.8 | 38.1 | 69.2 | |
| 19:30 | 15:00 | 47.7 | 37.6 | 64.7 | |
| 19:45 | 15:00 | 47.4 | 33.6 | 64.8 | |
| 20:00 | 15:00 | 46.0 | 34.0 | 73.7 | |
| 20:15 | 15:00 | 47.2 | 33.7 | 71.4 | |
| 20:30 | 15:00 | 44.9 | 34.2 | 65.2 | |
| 20:45 | 15:00 | 48.5 | 35.3 | 70.7 | |
| 21:00 | 15:00 | 44.3 | 35.9 | 63.6 | |
| 21:15 | 15:00 | 44.1 | 35.7 | 61.5 | |
| 21:30 | 15:00 | 45.1 | 35.2 | 67.6 | |
| 21:45 | 15:00 | 45.3 | 37.4 | 65.1 | |
| 22:00 | 15:00 | 44.1 | 38.2 | 64.5 | |
| 22:15 | 15:00 | 40.2 | 34.2 | 64.7 | |
| 22:30 | 15:00 | 43.2 | 33.9 | 62.9 | |
| 22:45 | 15:00 | 47.3 | 44.1 | 62.6 | |
| Log Average 1500-2300 | | 50.8 | 40.2 | 62-90 | |
| Average 1500-2300 | | 48.7 | 38.9 | 62-90 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 91

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 44.7 | 35.8 | 66.9 | |
| 23:15 | 15:00 | 40.4 | 34.5 | 63.7 | |
| 23:30 | 15:00 | 44.8 | 37.7 | 65.4 | |
| 23:45 | 15:00 | 38.2 | 35.5 | 47.9 | |
| 00:00 | 15:00 | 37.5 | 35.8 | 46.2 | Rain |
| 00:15 | 15:00 | 36.3 | 34.7 | 43.4 | Rain |
| 00:30 | 15:00 | 44.6 | 33.1 | 72.4 | |
| 00:45 | 15:00 | 36.4 | 34.4 | 44.4 | Rain |
| 01:00 | 15:00 | 35.2 | 33.2 | 45.8 | |
| 01:15 | 15:00 | 38.3 | 31.2 | 63.8 | |
| 01:30 | 15:00 | 38.8 | 32.2 | 49.7 | |
| 01:45 | 15:00 | 47.4 | 42.4 | 64.2 | |
| 02:00 | 15:00 | 47.2 | 43.2 | 63.9 | |
| 02:15 | 15:00 | 49.2 | 42.8 | 55.9 | |
| 02:30 | 15:00 | 44.7 | 37.7 | 57.6 | |
| 02:45 | 15:00 | 47.1 | 41.1 | 54.7 | |
| 03:00 | 15:00 | 51.3 | 45.1 | 64.8 | Rain |
| 03:15 | 15:00 | 53.9 | 49.6 | 58.9 | Rain |
| 03:30 | 15:00 | 53.9 | 52.8 | 61.1 | Rain |
| 03:45 | 15:00 | 50.9 | 45.3 | 63.3 | Rain |
| 04:00 | 15:00 | 43.5 | 39.3 | 53.1 | Rain |
| 04:15 | 15:00 | 46.4 | 41.9 | 70.0 | Rain |
| 04:30 | 15:00 | 48.7 | 38.5 | 68.1 | Rain |
| 04:45 | 15:00 | 47.5 | 40.8 | 68.7 | Rain |
| 05:00 | 15:00 | 49.5 | 38.6 | 69.4 | |
| 05:15 | 15:00 | 46.2 | 38.4 | 64.8 | |
| 05:30 | 15:00 | 48.1 | 40.5 | 68.6 | Rain |
| 05:45 | 15:00 | 47.6 | 39.2 | 66.2 | |
| 06:00 | 15:00 | 49.6 | 39.9 | 67.1 | |
| 06:15 | 15:00 | 53.0 | 41.4 | 71.7 | |
| 06:30 | 15:00 | 51.6 | 42.5 | 68.0 | |
| 06:45 | 15:00 | 52.4 | 43.9 | 70.3 | Rain |
| Log Average 2300-0700 | | 48.4 | 42.7 | 43-72 | |
| Average 2300-0700 | | 45.8 | 39.5 | 43-72 | |
| Average 0700-2300 | | 52.4 | 42.2 | 62-90 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 92

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 52.0 | 44.4 | 68.3 | |
| 07:15 | 15:00 | 51.2 | 43.0 | 66.7 | |
| 07:30 | 15:00 | 50.6 | 44.6 | 68.5 | |
| 07:45 | 15:00 | 49.8 | 44.2 | 67.2 | |
| 08:00 | 15:00 | 53.2 | 43.6 | 74.3 | |
| 08:15 | 15:00 | 54.2 | 44.5 | 69.8 | |
| 08:30 | 15:00 | 54.3 | 45.1 | 78.7 | |
| 08:45 | 15:00 | 51.1 | 45.7 | 65.9 | |
| 09:00 | 15:00 | 51.9 | 44.4 | 68.2 | |
| 09:15 | 15:00 | 55.5 | 45.3 | 78.3 | |
| 09:30 | 15:00 | 51.9 | 45.2 | 68.2 | |
| 09:45 | 15:00 | 51.9 | 45.8 | 65.9 | |
| 10:00 | 15:00 | 52.1 | 44.5 | 68.4 | |
| 10:15 | 15:00 | 52.6 | 46.0 | 69.5 | |
| 10:30 | 15:00 | 52.7 | 44.9 | 67.2 | |
| 10:45 | 15:00 | 51.6 | 46.7 | 68.5 | |
| 11:00 | 15:00 | 53.5 | 46.8 | 69.7 | |
| 11:15 | 15:00 | 56.0 | 45.6 | 75.8 | |
| 11:30 | 15:00 | 52.9 | 46.7 | 71.2 | |
| 11:45 | 15:00 | 52.4 | 45.7 | 68.8 | |
| 12:00 | 15:00 | 51.8 | 47.0 | 66.2 | |
| 12:15 | 15:00 | 50.9 | 45.7 | 66.2 | |
| 12:30 | 15:00 | 52.3 | 45.8 | 69.1 | |
| 12:45 | 15:00 | 54.3 | 45.7 | 76.6 | |
| 13:00 | 15:00 | 54.1 | 46.3 | 74.5 | |
| 13:15 | 15:00 | 53.3 | 47.5 | 71.1 | |
| 13:30 | 15:00 | 56.2 | 46.2 | 75.2 | |
| 13:45 | 15:00 | 50.8 | 44.4 | 69.5 | |
| 14:00 | 15:00 | 51.2 | 45.6 | 69.8 | |
| 14:15 | 15:00 | 52.4 | 46.0 | 69.4 | |
| 14:30 | 15:00 | 53.3 | 46.6 | 71.0 | |
| 14:45 | 15:00 | 53.8 | 48.1 | 76.6 | |
| Log Average 0700-1500 | | 52.9 | 45.6 | 66-79 | |
| Average 0700-1500 | | 52.7 | 45.5 | 66-79 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 93

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 51.6 | 46.5 | 65.4 | |
| 15:15 | 15:00 | 51.9 | 45.5 | 66.5 | |
| 15:30 | 15:00 | 53.6 | 47.2 | 69.2 | |
| 15:45 | 15:00 | 52.4 | 46.9 | 68.1 | |
| 16:00 | 15:00 | 55.5 | 45.1 | 79.6 | |
| 16:15 | 15:00 | 56.6 | 45.0 | 83.7 | |
| 16:30 | 15:00 | 53.0 | 45.8 | 70.4 | |
| 16:45 | 15:00 | 51.8 | 45.4 | 65.6 | |
| 17:00 | 15:00 | 62.9 | 45.8 | 91.1 | |
| 17:15 | 15:00 | 72.4 | 45.6 | 105.8 | |
| 17:30 | 15:00 | 52.0 | 45.9 | 69.7 | |
| 17:45 | 15:00 | 53.1 | 44.7 | 79.1 | |
| 18:00 | 15:00 | 52.4 | 43.3 | 72.7 | |
| 18:15 | 15:00 | 51.7 | 43.5 | 68.4 | |
| 18:30 | 15:00 | 49.4 | 41.3 | 70.6 | |
| 18:45 | 15:00 | 49.9 | 44.1 | 78.1 | |
| 19:00 | 15:00 | 50.1 | 44.8 | 74.9 | |
| 19:15 | 15:00 | 49.4 | 43.8 | 65.8 | |
| 19:30 | 15:00 | 47.7 | 43.2 | 66.4 | |
| 19:45 | 15:00 | 49.5 | 43.8 | 65.2 | |
| 20:00 | 15:00 | 48.9 | 42.4 | 67.1 | |
| 20:15 | 15:00 | 47.7 | 42.0 | 65.7 | |
| 20:30 | 15:00 | 46.4 | 42.1 | 66.1 | |
| 20:45 | 15:00 | 47.9 | 41.6 | 67.6 | |
| 21:00 | 15:00 | 47.6 | 44.5 | 65.1 | |
| 21:15 | 15:00 | 48.7 | 43.7 | 66.0 | |
| 21:30 | 15:00 | 49.3 | 44.2 | 67.1 | |
| 21:45 | 15:00 | 48.8 | 44.8 | 64.1 | |
| 22:00 | 15:00 | 48.9 | 43.3 | 66.3 | |
| 22:15 | 15:00 | 48.7 | 44.1 | 64.2 | |
| 22:30 | 15:00 | 46.6 | 44.1 | 64.8 | |
| 22:45 | 15:00 | 46.6 | 42.9 | 65.4 | |
| Log Average 1500-2300 | | 58.6 | 44.5 | 64-106 | |
| Average 1500-2300 | | 51.3 | 44.3 | 64-106 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 94

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 47.8 | 41.1 | 66.4 | |
| 23:15 | 15:00 | 50.3 | 38.4 | 72.9 | |
| 23:30 | 15:00 | 49.0 | 39.5 | 66.6 | |
| 23:45 | 15:00 | 48.0 | 38.4 | 67.9 | |
| 00:00 | 15:00 | 47.8 | 38.7 | 70.5 | |
| 00:15 | 15:00 | 48.9 | 39.8 | 70.0 | |
| 00:30 | 15:00 | 48.9 | 39.7 | 68.7 | |
| 00:45 | 15:00 | 50.0 | 39.7 | 66.6 | |
| 01:00 | 15:00 | 53.0 | 40.6 | 75.5 | |
| 01:15 | 15:00 | 50.4 | 41.1 | 71.9 | |
| 01:30 | 15:00 | 51.2 | 40.7 | 70.1 | |
| 01:45 | 15:00 | 49.4 | 40.5 | 65.5 | |
| 02:00 | 15:00 | 50.5 | 41.8 | 64.9 | |
| 02:15 | 15:00 | 50.8 | 40.8 | 65.5 | |
| 02:30 | 15:00 | 50.3 | 41.7 | 67.6 | |
| 02:45 | 15:00 | 50.8 | 41.7 | 71.6 | |
| 03:00 | 15:00 | 50.1 | 41.1 | 64.8 | |
| 03:15 | 15:00 | 50.9 | 40.3 | 73.1 | |
| 03:30 | 15:00 | 50.2 | 41.2 | 67.8 | |
| 03:45 | 15:00 | 50.4 | 39.7 | 69.0 | |
| 04:00 | 15:00 | 50.2 | 41.9 | 65.1 | |
| 04:15 | 15:00 | 49.1 | 41.3 | 64.7 | |
| 04:30 | 15:00 | 49.7 | 43.6 | 64.6 | |
| 04:45 | 15:00 | 49.7 | 41.6 | 66.6 | |
| 05:00 | 15:00 | 50.6 | 42.9 | 69.7 | |
| 05:15 | 15:00 | 50.3 | 40.6 | 70.2 | |
| 05:30 | 15:00 | 53.9 | 38.7 | 82.4 | |
| 05:45 | 15:00 | 49.0 | 39.9 | 68.0 | |
| 06:00 | 15:00 | 51.0 | 41.2 | 67.1 | |
| 06:15 | 15:00 | 48.0 | 43.0 | 63.9 | |
| 06:30 | 15:00 | 52.0 | 40.5 | 71.2 | |
| 06:45 | 15:00 | 48.8 | 40.5 | 65.5 | |
| Log Average 2300-0700 | | 50.2 | 40.8 | 64-82 | |
| Average 2300-0700 | | 50.0 | 40.7 | 64-82 | |
| Average 0700-2300 | | 56.6 | 45.1 | 64-106 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 95

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 47.8 | 41.1 | 66.4 | |
| 07:15 | 15:00 | 50.3 | 38.4 | 72.9 | |
| 07:30 | 15:00 | 49.0 | 39.5 | 66.6 | |
| 07:45 | 15:00 | 48.0 | 38.4 | 67.9 | |
| 08:00 | 15:00 | 47.8 | 38.7 | 70.5 | |
| 08:15 | 15:00 | 48.9 | 39.8 | 70.0 | |
| 08:30 | 15:00 | 48.9 | 39.7 | 68.7 | |
| 08:45 | 15:00 | 50.0 | 39.7 | 66.6 | |
| 09:00 | 15:00 | 53.0 | 40.6 | 75.5 | |
| 09:15 | 15:00 | 50.4 | 41.1 | 71.9 | |
| 09:30 | 15:00 | 51.2 | 40.7 | 70.1 | |
| 09:45 | 15:00 | 49.4 | 40.5 | 65.5 | |
| 10:00 | 15:00 | 50.5 | 41.8 | 64.9 | |
| 10:15 | 15:00 | 50.8 | 40.8 | 65.5 | |
| 10:30 | 15:00 | 50.3 | 41.7 | 67.6 | |
| 10:45 | 15:00 | 50.8 | 41.7 | 71.6 | |
| 11:00 | 15:00 | 50.1 | 41.1 | 64.8 | |
| 11:15 | 15:00 | 50.9 | 40.3 | 73.1 | |
| 11:30 | 15:00 | 50.2 | 41.2 | 67.8 | |
| 11:45 | 15:00 | 50.4 | 39.7 | 69.0 | |
| 12:00 | 15:00 | 50.2 | 41.9 | 65.1 | |
| 12:15 | 15:00 | 49.1 | 41.3 | 64.7 | |
| 12:30 | 15:00 | 49.7 | 43.6 | 64.6 | |
| 12:45 | 15:00 | 49.7 | 41.6 | 66.6 | |
| 13:00 | 15:00 | 50.6 | 42.9 | 69.7 | |
| 13:15 | 15:00 | 50.3 | 40.6 | 70.2 | |
| 13:30 | 15:00 | 53.9 | 38.7 | 82.4 | |
| 13:45 | 15:00 | 49.0 | 39.9 | 68.0 | |
| 14:00 | 15:00 | 51.0 | 41.2 | 67.1 | |
| 14:15 | 15:00 | 48.0 | 43.0 | 63.9 | |
| 14:30 | 15:00 | 52.0 | 40.5 | 71.2 | |
| 14:45 | 15:00 | 48.8 | 40.5 | 65.5 | |
| Log Average 0700-1500 | | 50.2 | 40.8 | 64-82 | |
| Average 0700-1500 | | 50.0 | 40.7 | 64-82 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 96

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 48.6 | 42.3 | 63.1 | |
| 15:15 | 15:00 | 49.1 | 38.8 | 70.3 | |
| 15:30 | 15:00 | 50.0 | 37.1 | 65.7 | |
| 15:45 | 15:00 | 52.3 | 39.0 | 78.6 | |
| 16:00 | 15:00 | 48.8 | 38.4 | 65.6 | |
| 16:15 | 15:00 | 49.1 | 40.0 | 64.9 | |
| 16:30 | 15:00 | 50.1 | 39.8 | 71.6 | |
| 16:45 | 15:00 | 50.0 | 37.5 | 70.6 | |
| 17:00 | 15:00 | 49.7 | 37.8 | 69.3 | |
| 17:15 | 15:00 | 50.9 | 37.6 | 70.7 | |
| 17:30 | 15:00 | 50.4 | 37.3 | 66.5 | |
| 17:45 | 15:00 | 48.6 | 37.7 | 67.4 | |
| 18:00 | 15:00 | 52.3 | 37.1 | 77.9 | |
| 18:15 | 15:00 | 57.3 | 38.0 | 81.2 | |
| 18:30 | 15:00 | 48.8 | 38.1 | 74.1 | |
| 18:45 | 15:00 | 46.5 | 41.8 | 64.4 | |
| 19:00 | 15:00 | 47.3 | 39.3 | 71.7 | |
| 19:15 | 15:00 | 45.1 | 40.2 | 63.4 | |
| 19:30 | 15:00 | 49.2 | 40.4 | 73.7 | |
| 19:45 | 15:00 | 47.2 | 40.3 | 64.4 | |
| 20:00 | 15:00 | 48.0 | 39.2 | 66.0 | |
| 20:15 | 15:00 | 47.2 | 40.8 | 64.3 | |
| 20:30 | 15:00 | 45.6 | 39.7 | 64.3 | |
| 20:45 | 15:00 | 45.7 | 39.6 | 65.3 | |
| 21:00 | 15:00 | 48.2 | 40.4 | 68.7 | |
| 21:15 | 15:00 | 47.8 | 39.7 | 66.2 | |
| 21:30 | 15:00 | 46.3 | 40.8 | 63.8 | |
| 21:45 | 15:00 | 44.0 | 39.5 | 62.2 | |
| 22:00 | 15:00 | 47.3 | 40.1 | 67.5 | |
| 22:15 | 15:00 | 49.7 | 40.5 | 71.2 | |
| 22:30 | 15:00 | 44.9 | 40.6 | 63.3 | |
| 22:45 | 15:00 | 45.8 | 39.8 | 70.9 | |
| Log Average 1500-2300 | | 49.4 | 39.5 | 62-81 | |
| Average 1500-2300 | | 48.5 | 39.3 | 62-81 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 97

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 46.0 | 37.8 | 64.3 | |
| 23:15 | 15:00 | 41.5 | 37.0 | 62.7 | |
| 23:30 | 15:00 | 40.2 | 34.6 | 60.5 | |
| 23:45 | 15:00 | 43.6 | 36.7 | 66.3 | |
| 00:00 | 15:00 | 42.0 | 37.3 | 62.2 | |
| 00:15 | 15:00 | 42.3 | 37.1 | 61.9 | |
| 00:30 | 15:00 | 40.2 | 38.0 | 55.6 | |
| 00:45 | 15:00 | 40.5 | 37.7 | 64.1 | |
| 01:00 | 15:00 | 41.5 | 39.1 | 51.4 | |
| 01:15 | 15:00 | 40.7 | 36.8 | 46.3 | |
| 01:30 | 15:00 | 40.8 | 37.2 | 60.7 | |
| 01:45 | 15:00 | 40.6 | 37.2 | 58.7 | |
| 02:00 | 15:00 | 44.0 | 38.8 | 67.9 | |
| 02:15 | 15:00 | 43.7 | 36.9 | 63.5 | |
| 02:30 | 15:00 | 43.0 | 38.5 | 64.4 | |
| 02:45 | 15:00 | 42.5 | 36.6 | 62.8 | |
| 03:00 | 15:00 | 42.7 | 37.4 | 67.8 | |
| 03:15 | 15:00 | 39.7 | 35.5 | 44.9 | |
| 03:30 | 15:00 | 41.6 | 38.7 | 47.2 | |
| 03:45 | 15:00 | 40.6 | 36.6 | 53.7 | |
| 04:00 | 15:00 | 42.9 | 36.9 | 63.8 | |
| 04:15 | 15:00 | 41.4 | 35.5 | 63.2 | |
| 04:30 | 15:00 | 44.5 | 35.9 | 64.8 | |
| 04:45 | 15:00 | 45.3 | 36.8 | 67.8 | |
| 05:00 | 15:00 | 44.3 | 37.5 | 65.5 | |
| 05:15 | 15:00 | 43.3 | 39.0 | 63.5 | |
| 05:30 | 15:00 | 41.2 | 37.3 | 63.1 | |
| 05:45 | 15:00 | 44.7 | 39.9 | 61.8 | |
| 06:00 | 15:00 | 46.8 | 40.2 | 64.0 | |
| 06:15 | 15:00 | 45.3 | 40.5 | 62.5 | |
| 06:30 | 15:00 | 45.4 | 41.8 | 61.7 | |
| 06:45 | 15:00 | 47.1 | 42.9 | 63.2 | |
| Log Average 2300-0700 | | 43.2 | 38.2 | 45-68 | |
| Average 2300-0700 | | 42.8 | 37.8 | 45-68 | |
| Average 0700-2300 | | 49.8 | 40.2 | 62-82 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 98

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 45.6 | 43.0 | 61.0 | |
| 07:15 | 15:00 | 46.6 | 42.4 | 64.7 | |
| 07:30 | 15:00 | 48.1 | 41.9 | 64.5 | |
| 07:45 | 15:00 | 47.8 | 42.4 | 66.2 | |
| 08:00 | 15:00 | 48.6 | 40.8 | 69.2 | |
| 08:15 | 15:00 | 49.6 | 40.0 | 65.7 | |
| 08:30 | 15:00 | 50.2 | 39.0 | 66.6 | |
| 08:45 | 15:00 | 49.1 | 40.3 | 66.8 | |
| 09:00 | 15:00 | 50.6 | 41.3 | 74.0 | |
| 09:15 | 15:00 | 47.6 | 41.4 | 64.7 | |
| 09:30 | 15:00 | 50.7 | 42.2 | 71.8 | Local noise |
| 09:45 | 15:00 | 54.1 | 42.8 | 75.0 | Local noise |
| 10:00 | 15:00 | 53.0 | 42.9 | 74.0 | Local noise |
| 10:15 | 15:00 | 52.6 | 42.7 | 75.7 | Local noise |
| 10:30 | 15:00 | 49.9 | 41.2 | 68.1 | Local noise |
| 10:45 | 15:00 | 52.7 | 40.5 | 75.7 | Local noise |
| 11:00 | 15:00 | 54.8 | 38.3 | 85.8 | Local noise |
| 11:15 | 15:00 | 53.3 | 39.8 | 73.2 | Local noise |
| 11:30 | 15:00 | 51.2 | 40.8 | 71.3 | Local noise |
| 11:45 | 15:00 | 50.8 | 42.5 | 78.0 | Local noise |
| 12:00 | 15:00 | 50.7 | 40.5 | 67.1 | |
| 12:15 | 15:00 | 48.2 | 41.7 | 66.4 | |
| 12:30 | 15:00 | 54.1 | 40.0 | 77.3 | |
| 12:45 | 15:00 | 49.4 | 41.5 | 66.0 | |
| 13:00 | 15:00 | 50.0 | 41.4 | 66.4 | |
| 13:15 | 15:00 | 53.4 | 41.7 | 75.6 | |
| 13:30 | 15:00 | 48.6 | 39.2 | 63.7 | |
| 13:45 | 15:00 | 48.4 | 39.6 | 66.1 | |
| 14:00 | 15:00 | 49.1 | 41.9 | 68.1 | |
| 14:15 | 15:00 | 50.8 | 40.8 | 79.5 | |
| 14:30 | 15:00 | 50.7 | 42.8 | 70.3 | |
| 14:45 | 15:00 | 47.8 | 41.3 | 65.8 | |
| Log Average 0700-1500 | | 50.8 | 41.3 | 61-86 | |
| Average 0700-1500 | | 50.3 | 41.2 | 61-86 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 99

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 54.4 | 42.7 | 78.6 | |
| 15:15 | 15:00 | 49.3 | 41.0 | 69.4 | |
| 15:30 | 15:00 | 49.0 | 37.8 | 68.5 | |
| 15:45 | 15:00 | 49.2 | 39.5 | 71.2 | |
| 16:00 | 15:00 | 47.6 | 42.6 | 67.0 | |
| 16:15 | 15:00 | 48.4 | 42.8 | 63.1 | |
| 16:30 | 15:00 | 53.7 | 43.9 | 77.1 | |
| 16:45 | 15:00 | 50.1 | 43.6 | 69.2 | |
| 17:00 | 15:00 | 49.2 | 42.6 | 71.8 | |
| 17:15 | 15:00 | 48.7 | 42.2 | 69.3 | |
| 17:30 | 15:00 | 47.5 | 43.9 | 65.1 | |
| 17:45 | 15:00 | 58.2 | 43.1 | 83.4 | |
| 18:00 | 15:00 | 54.6 | 43.4 | 70.6 | |
| 18:15 | 15:00 | 46.8 | 42.1 | 66.2 | |
| 18:30 | 15:00 | 47.3 | 41.8 | 67.4 | |
| 18:45 | 15:00 | 48.4 | 41.7 | 64.5 | |
| 19:00 | 15:00 | 48.9 | 41.4 | 68.3 | |
| 19:15 | 15:00 | 48.1 | 41.7 | 66.6 | |
| 19:30 | 15:00 | 44.8 | 41.2 | 68.4 | |
| 19:45 | 15:00 | 47.5 | 42.3 | 65.4 | |
| 20:00 | 15:00 | 47.6 | 41.9 | 63.9 | |
| 20:15 | 15:00 | 48.5 | 41.4 | 67.4 | |
| 20:30 | 15:00 | 46.1 | 40.8 | 63.4 | |
| 20:45 | 15:00 | 46.7 | 42.3 | 64.0 | |
| 21:00 | 15:00 | 46.2 | 40.4 | 64.2 | |
| 21:15 | 15:00 | 46.2 | 41.6 | 64.9 | |
| 21:30 | 15:00 | 45.8 | 40.6 | 65.6 | |
| 21:45 | 15:00 | 44.3 | 41.5 | 62.8 | |
| 22:00 | 15:00 | 44.6 | 41.0 | 63.5 | |
| 22:15 | 15:00 | 43.3 | 39.9 | 66.0 | |
| 22:30 | 15:00 | 43.8 | 38.7 | 66.7 | |
| 22:45 | 15:00 | 41.2 | 38.4 | 58.8 | |
| Log Average 1500-2300 | | 49.7 | 41.7 | 59-83 | |
| Average 1500-2300 | | 48.0 | 41.5 | 59-83 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 100

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 41.7 | 39.1 | 54.9 | |
| 23:15 | 15:00 | 42.3 | 39.0 | 58.9 | |
| 23:30 | 15:00 | 42.5 | 39.2 | 64.9 | |
| 23:45 | 15:00 | 40.7 | 38.8 | 60.3 | |
| 00:00 | 15:00 | 39.8 | 37.9 | 45.5 | |
| 00:15 | 15:00 | 39.8 | 38.1 | 44.1 | |
| 00:30 | 15:00 | 41.4 | 38.7 | 48.2 | |
| 00:45 | 15:00 | 42.3 | 40.3 | 48.5 | |
| 01:00 | 15:00 | 41.5 | 39.4 | 51.4 | |
| 01:15 | 15:00 | 42.0 | 38.4 | 60.8 | |
| 01:30 | 15:00 | 41.1 | 39.0 | 46.7 | |
| 01:45 | 15:00 | 41.9 | 40.3 | 50.3 | |
| 02:00 | 15:00 | 43.1 | 40.0 | 66.4 | |
| 02:15 | 15:00 | 42.4 | 39.4 | 59.6 | |
| 02:30 | 15:00 | 41.3 | 39.4 | 53.7 | |
| 02:45 | 15:00 | 40.4 | 38.4 | 55.7 | |
| 03:00 | 15:00 | 41.0 | 38.8 | 46.8 | |
| 03:15 | 15:00 | 40.6 | 38.8 | 47.7 | |
| 03:30 | 15:00 | 40.3 | 38.2 | 45.3 | |
| 03:45 | 15:00 | 42.1 | 38.9 | 55.8 | |
| 04:00 | 15:00 | 43.0 | 41.1 | 51.4 | |
| 04:15 | 15:00 | 46.3 | 40.5 | 66.2 | |
| 04:30 | 15:00 | 46.4 | 40.7 | 63.7 | |
| 04:45 | 15:00 | 48.5 | 42.0 | 66.4 | |
| 05:00 | 15:00 | 46.0 | 41.2 | 63.8 | |
| 05:15 | 15:00 | 46.0 | 42.8 | 64.2 | |
| 05:30 | 15:00 | 46.7 | 41.9 | 63.5 | |
| 05:45 | 15:00 | 45.5 | 42.0 | 65.4 | |
| 06:00 | 15:00 | 48.6 | 42.0 | 66.8 | |
| 06:15 | 15:00 | 50.7 | 41.9 | 73.9 | |
| 06:30 | 15:00 | 50.0 | 41.7 | 66.2 | |
| 06:45 | 15:00 | 51.5 | 41.2 | 68.7 | |
| Log Average 2300-0700 | | 45.1 | 40.1 | 44-74 | |
| Average 2300-0700 | | 43.7 | 40.0 | 44-74 | |
| Average 0700-2300 | | 50.3 | 41.5 | 59-86 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 101

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 50.9 | 39.7 | 70.2 | |
| 07:15 | 15:00 | 49.0 | 37.8 | 67.5 | |
| 07:30 | 15:00 | 48.8 | 35.8 | 64.6 | |
| 07:45 | 15:00 | 47.6 | 34.2 | 65.3 | |
| 08:00 | 15:00 | 58.8 | 34.4 | 85.1 | |
| 08:15 | 15:00 | 51.0 | 38.5 | 68.5 | |
| 08:30 | 15:00 | 49.8 | 37.9 | 69.4 | |
| 08:45 | 15:00 | 49.3 | 39.5 | 65.9 | |
| 09:00 | 15:00 | 46.0 | 35.7 | 65.2 | |
| 09:15 | 15:00 | 47.3 | 35.2 | 65.2 | |
| 09:30 | 15:00 | 48.4 | 34.1 | 66.2 | |
| 09:45 | 15:00 | 50.9 | 34.9 | 74.1 | |
| 10:00 | 15:00 | 51.6 | 36.8 | 68.4 | |
| 10:15 | 15:00 | 62.4 | 38.8 | 80.8 | |
| 10:30 | 15:00 | 50.0 | 40.1 | 67.2 | |
| 10:45 | 15:00 | 62.7 | 41.9 | 71.9 | |
| 11:00 | 15:00 | 63.0 | 40.0 | 74.6 | |
| 11:15 | 15:00 | 51.5 | 38.2 | 76.9 | |
| 11:30 | 15:00 | 50.7 | 36.1 | 67.1 | |
| 11:45 | 15:00 | 48.5 | 35.7 | 66.9 | |
| 12:00 | 15:00 | 48.5 | 38.2 | 68.1 | |
| 12:15 | 15:00 | 50.2 | 37.1 | 68.5 | |
| 12:30 | 15:00 | 52.2 | 38.5 | 66.9 | |
| 12:45 | 15:00 | 46.9 | 36.5 | 64.7 | |
| 13:00 | 15:00 | 49.1 | 36.9 | 67.2 | |
| 13:15 | 15:00 | 48.1 | 35.7 | 65.8 | |
| 13:30 | 15:00 | 48.7 | 38.8 | 66.0 | |
| 13:45 | 15:00 | 51.1 | 40.5 | 72.9 | |
| 14:00 | 15:00 | 48.5 | 40.5 | 65.9 | |
| 14:15 | 15:00 | 51.5 | 38.7 | 72.1 | |
| 14:30 | 15:00 | 51.6 | 39.5 | 78.3 | |
| 14:45 | 15:00 | 47.0 | 39.4 | 64.6 | |
| Log Average 0700-1500 | | 54.4 | 38.1 | 65-85 | |
| Average 0700-1500 | | 51.0 | 37.7 | 65-85 | |

Noise Survey Results

Date: Monday 2nd August 2021

TABLE 102

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

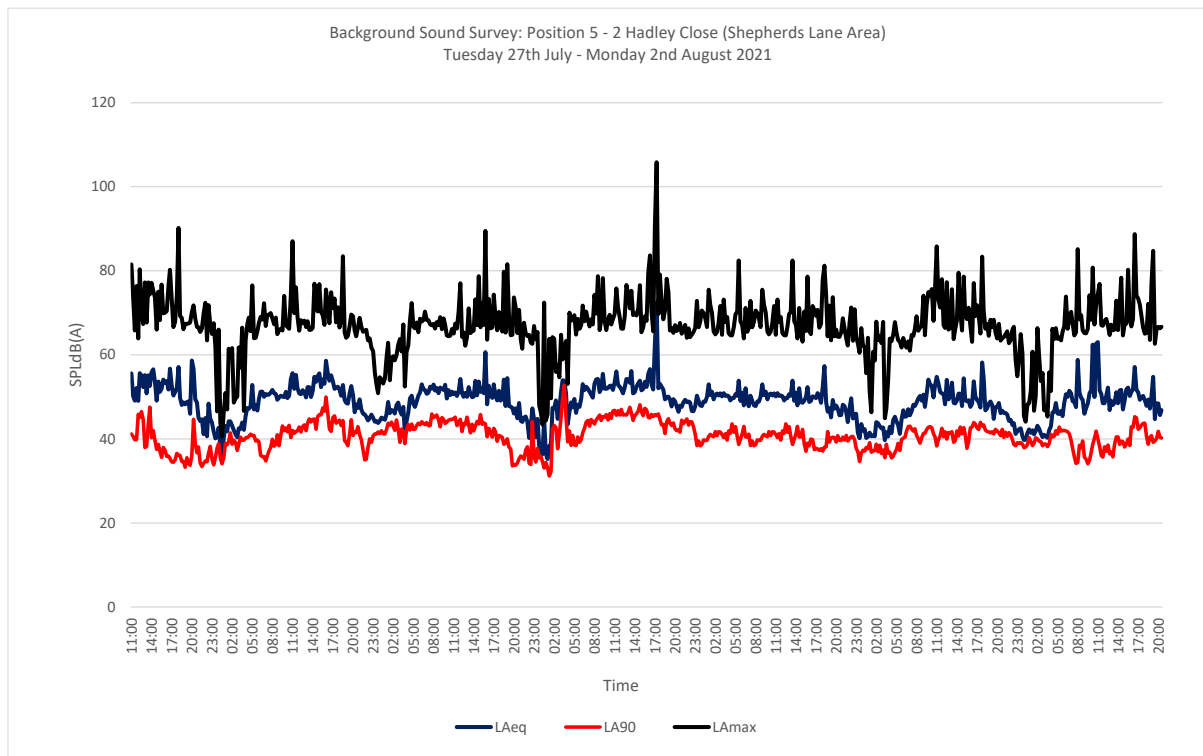
Project: **Baseline Sound Survey**

Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2630261)

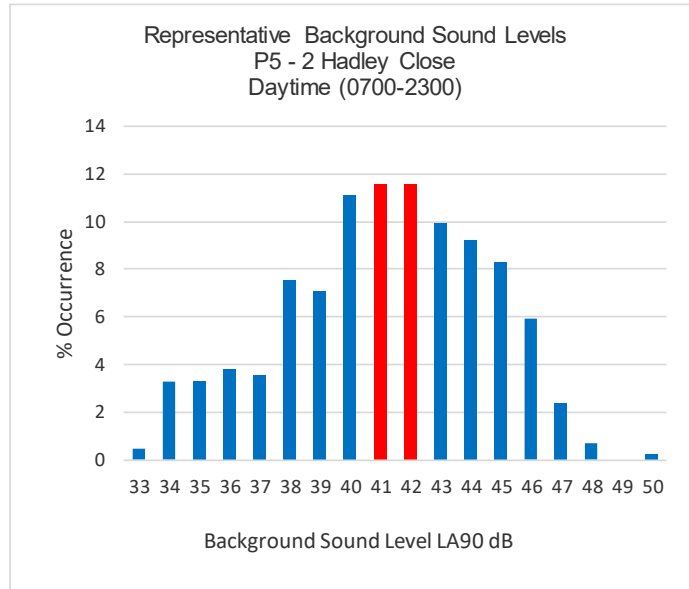
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 49.2 | 38.1 | 67.4 | |
| 15:15 | 15:00 | 51.8 | 38.8 | 67.4 | |
| 15:30 | 15:00 | 52.2 | 40.0 | 80.2 | |
| 15:45 | 15:00 | 50.2 | 38.4 | 68.8 | |
| 16:00 | 15:00 | 51.2 | 42.9 | 66.8 | |
| 16:15 | 15:00 | 51.9 | 42.7 | 68.6 | |
| 16:30 | 15:00 | 57.1 | 45.3 | 88.7 | |
| 16:45 | 15:00 | 51.7 | 45.0 | 74.1 | |
| 17:00 | 15:00 | 51.1 | 42.3 | 73.4 | |
| 17:15 | 15:00 | 49.3 | 42.7 | 71.9 | |
| 17:30 | 15:00 | 49.9 | 43.3 | 69.4 | |
| 17:45 | 15:00 | 50.2 | 43.7 | 66.5 | |
| 18:00 | 15:00 | 49.2 | 43.8 | 65.0 | |
| 18:15 | 15:00 | 47.9 | 40.6 | 65.2 | |
| 18:30 | 15:00 | 49.4 | 38.8 | 72.1 | |
| 18:45 | 15:00 | 47.2 | 40.4 | 63.6 | |
| 19:00 | 15:00 | 50.1 | 40.8 | 76.7 | |
| 19:15 | 15:00 | 54.8 | 39.2 | 84.7 | |
| 19:30 | 15:00 | 44.7 | 39.5 | 62.6 | |
| 19:45 | 15:00 | 48.4 | 40.1 | 66.2 | |
| 20:00 | 15:00 | 48.4 | 41.8 | 66.6 | |
| 20:15 | 15:00 | 45.7 | 40.4 | 66.3 | |
| 20:30 | 15:00 | 46.9 | 40.2 | 66.7 | |
| Log Average 1500-2045 | | 50.8 | 41.7 | 63-89 | |
| Average 1500-2045 | | 49.9 | 41.2 | 63-89 | |
| Average 0700-2300 | | 40.8 | 0.0 | 63-89 | |
| Overall Log Average | | 47.4 | 40.8 | 41-82 | With Rain |
| Overall Log Average | | 52.8 | 42.2 | 59-106 | With Rain |
| | | | | | |
| Overall Log Average | | 47.3 | 40.7 | 41-82 | No Rain |
| Overall Log Average | | 47.4 | 40 | 47-86 | No Rain |

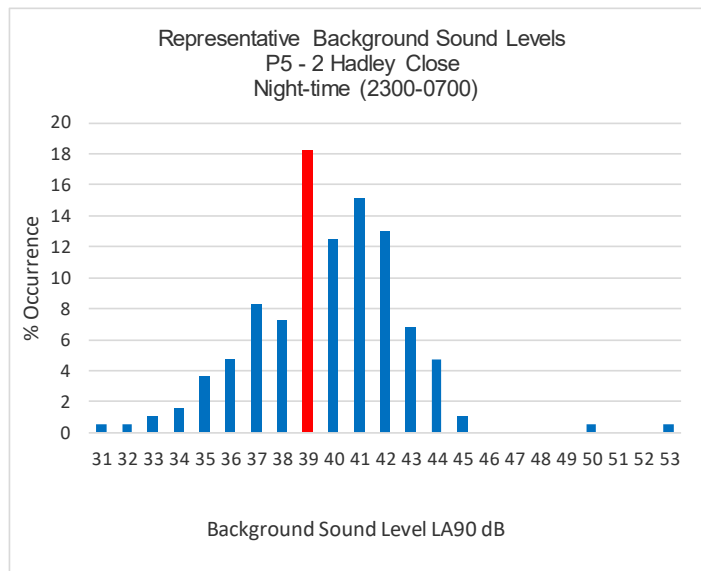


LA90 Representative Levels

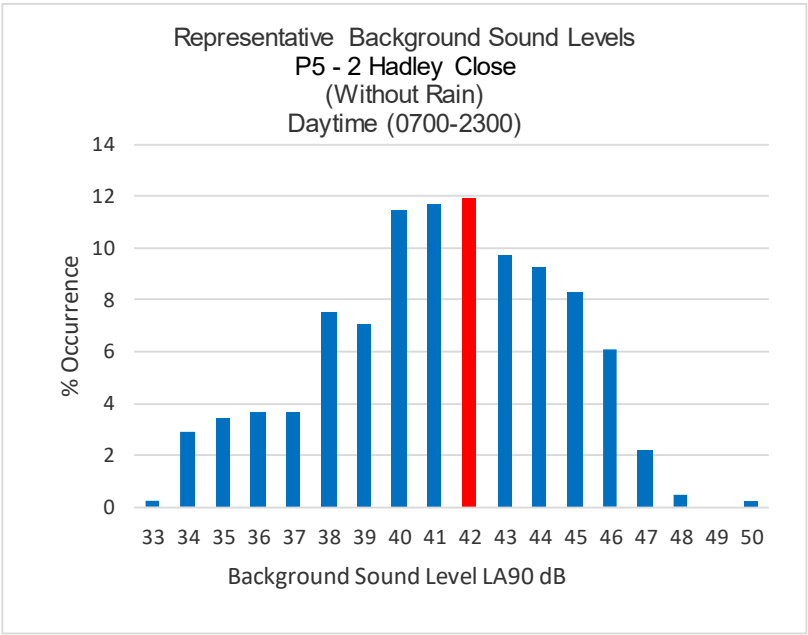
| LA90 | % Occurrence |
|------|--------------|
| 33 | 0.5 |
| 34 | 3.3 |
| 35 | 3.3 |
| 36 | 3.8 |
| 37 | 3.5 |
| 38 | 7.6 |
| 39 | 7.1 |
| 40 | 11.1 |
| 41 | 11.6 |
| 42 | 11.6 |
| 43 | 9.9 |
| 44 | 9.2 |
| 45 | 8.3 |
| 46 | 5.9 |
| 47 | 2.4 |
| 48 | 0.7 |
| 49 | 0.0 |
| 50 | 0.2 |



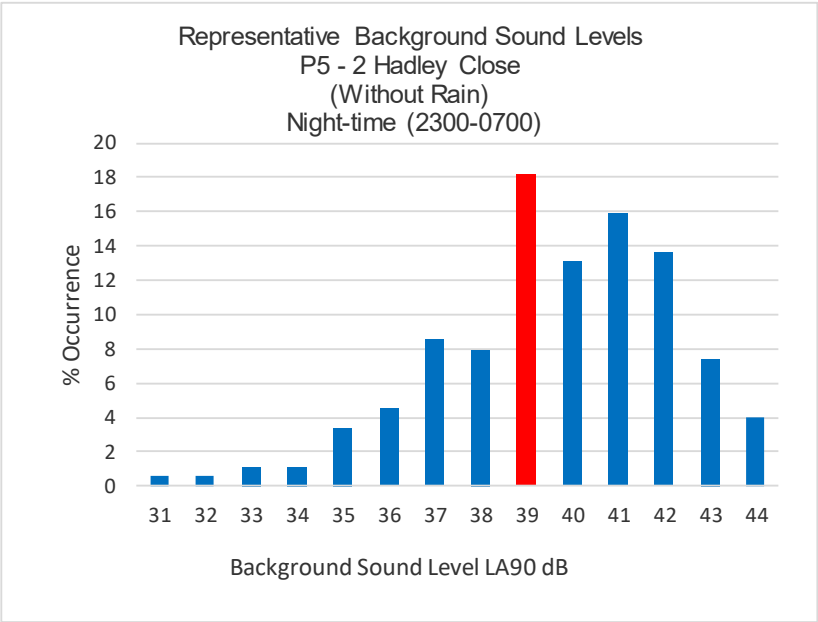
| LA90 | % Occurrence |
|------|--------------|
| 31 | 0.5 |
| 32 | 0.5 |
| 33 | 1.0 |
| 34 | 1.6 |
| 35 | 3.6 |
| 36 | 4.7 |
| 37 | 8.3 |
| 38 | 7.3 |
| 39 | 18.2 |
| 40 | 12.5 |
| 41 | 15.1 |
| 42 | 13.0 |
| 43 | 6.8 |
| 44 | 4.7 |
| 45 | 1.0 |
| 46 | 0.0 |
| 47 | 0.0 |
| 48 | 0.0 |
| 49 | 0.0 |
| 50 | 0.5 |
| 51 | 0.0 |
| 52 | 0.0 |
| 53 | 0.5 |



| LA90 | % Occurrence |
|------|--------------|
| 33 | 0.2 |
| 34 | 2.9 |
| 35 | 3.4 |
| 36 | 3.7 |
| 37 | 3.7 |
| 38 | 7.6 |
| 39 | 7.1 |
| 40 | 11.5 |
| 41 | 11.7 |
| 42 | 12.0 |
| 43 | 9.8 |
| 44 | 9.3 |
| 45 | 8.3 |
| 46 | 6.1 |
| 47 | 2.2 |
| 48 | 0.5 |
| 49 | 0.0 |
| 50 | 0.2 |



| LA90 | % Occurrence |
|------|--------------|
| 31 | 0.6 |
| 32 | 0.6 |
| 33 | 1.1 |
| 34 | 1.1 |
| 35 | 3.4 |
| 36 | 4.5 |
| 37 | 8.5 |
| 38 | 8.0 |
| 39 | 18.2 |
| 40 | 13.1 |
| 41 | 15.9 |
| 42 | 13.6 |
| 43 | 7.4 |
| 44 | 4.0 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 103

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 11:30 | 15:00 | 52.8 | 43.8 | 82.8 | Rain |
| 11:45 | 15:00 | 48.0 | 43.9 | 59.4 | |
| 12:00 | 15:00 | 49.7 | 47.7 | 58.8 | |
| 12:15 | 15:00 | 49.7 | 47.4 | 67.3 | |
| 12:30 | 15:00 | 56.9 | 51.8 | 63.8 | |
| 12:45 | 15:00 | 51.4 | 46.9 | 64.3 | Rain |
| 13:00 | 15:00 | 48.5 | 44.8 | 61.4 | |
| 13:15 | 15:00 | 48.4 | 45.1 | 60.4 | |
| 13:30 | 15:00 | 49.6 | 45.9 | 65.4 | |
| 13:45 | 15:00 | 48.6 | 47.2 | 54.9 | |
| 14:00 | 15:00 | 48.7 | 47.0 | 60.2 | Rain |
| 14:15 | 15:00 | 48.9 | 47.3 | 54.6 | |
| 14:30 | 15:00 | 47.1 | 45.5 | 52.7 | |
| 14:45 | 15:00 | 46.7 | 45.2 | 64.0 | |
| Log Average 1130-1500 | | 50.6 | 46.9 | 53-83 | |
| Average 1130-1500 | | 49.6 | 46.4 | 53-83 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 104

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 47.1 | 45.2 | 60.3 | Rain |
| 15:15 | 15:00 | 47.3 | 45.7 | 58.7 | |
| 15:30 | 15:00 | 47.2 | 45.7 | 58.3 | |
| 15:45 | 15:00 | 47.7 | 46.1 | 55.1 | |
| 16:00 | 15:00 | 49.0 | 45.1 | 61.6 | |
| 16:15 | 15:00 | 47.5 | 45.1 | 55.1 | |
| 16:30 | 15:00 | 47.0 | 45.0 | 54.0 | |
| 16:45 | 15:00 | 46.7 | 44.3 | 58.2 | |
| 17:00 | 15:00 | 46.8 | 44.0 | 59.9 | Rain |
| 17:15 | 15:00 | 45.3 | 43.4 | 60.8 | |
| 17:30 | 15:00 | 46.4 | 43.3 | 61.2 | |
| 17:45 | 15:00 | 47.0 | 43.5 | 60.8 | |
| 18:00 | 15:00 | 46.4 | 43.1 | 61.6 | |
| 18:15 | 15:00 | 46.6 | 43.1 | 60.9 | |
| 18:30 | 15:00 | 46.7 | 44.1 | 62.5 | |
| 18:45 | 15:00 | 46.2 | 44.5 | 54.8 | |
| 19:00 | 15:00 | 46.4 | 44.3 | 58.2 | |
| 19:15 | 15:00 | 45.2 | 43.3 | 61.8 | |
| 19:30 | 15:00 | 45.2 | 43.5 | 58.0 | |
| 19:45 | 15:00 | 45.5 | 44.4 | 54.7 | |
| 20:00 | 15:00 | 56.5 | 44.9 | 70.4 | |
| 20:15 | 15:00 | 55.0 | 50.3 | 67.4 | |
| 20:30 | 15:00 | 47.7 | 46.0 | 59.3 | |
| 20:45 | 15:00 | 46.5 | 45.8 | 52.6 | |
| 21:00 | 15:00 | 47.1 | 44.4 | 50.6 | Rain |
| 21:15 | 15:00 | 45.4 | 44.7 | 49.8 | |
| 21:30 | 15:00 | 46.2 | 45.3 | 52.1 | |
| 21:45 | 15:00 | 45.6 | 44.6 | 51.9 | |
| 22:00 | 15:00 | 46.6 | 44.8 | 63.5 | |
| 22:15 | 15:00 | 46.4 | 45.6 | 50.9 | |
| 22:30 | 15:00 | 46.8 | 46.1 | 51.8 | |
| 22:45 | 15:00 | 46.5 | 45.9 | 48.4 | |
| Log Average 1500-2300 | | 48.2 | 45.1 | 48-70 | |
| Average 1500-2300 | | 47.2 | 44.8 | 48-70 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 105

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 46.6 | 45.6 | 53.2 | |
| 23:15 | 15:00 | 46.0 | 45.1 | 49.0 | |
| 23:30 | 15:00 | 45.8 | 45.2 | 51.4 | |
| 23:45 | 15:00 | 47.0 | 46.2 | 50.1 | |
| 00:00 | 15:00 | 46.7 | 46.1 | 51.7 | |
| 00:15 | 15:00 | 46.5 | 45.9 | 48.6 | |
| 00:30 | 15:00 | 46.7 | 45.9 | 50.3 | |
| 00:45 | 15:00 | 46.7 | 46.0 | 51.0 | |
| 01:00 | 15:00 | 45.9 | 45.1 | 49.0 | |
| 01:15 | 15:00 | 45.9 | 45.1 | 48.3 | |
| 01:30 | 15:00 | 47.6 | 45.6 | 51.6 | |
| 01:45 | 15:00 | 47.8 | 46.5 | 52.9 | |
| 02:00 | 15:00 | 46.4 | 45.8 | 48.5 | |
| 02:15 | 15:00 | 46.9 | 45.8 | 49.7 | |
| 02:30 | 15:00 | 46.6 | 45.4 | 53.0 | |
| 02:45 | 15:00 | 47.9 | 44.8 | 62.6 | Rain |
| 03:00 | 15:00 | 45.9 | 44.5 | 56.7 | Rain |
| 03:15 | 15:00 | 46.0 | 45.1 | 55.0 | |
| 03:30 | 15:00 | 46.5 | 44.7 | 57.9 | |
| 03:45 | 15:00 | 45.7 | 44.4 | 55.7 | |
| 04:00 | 15:00 | 46.4 | 45.2 | 53.5 | |
| 04:15 | 15:00 | 46.9 | 45.1 | 63.2 | |
| 04:30 | 15:00 | 46.1 | 44.7 | 52.1 | |
| 04:45 | 15:00 | 47.2 | 45.1 | 57.9 | |
| 05:00 | 15:00 | 46.6 | 44.8 | 55.0 | |
| 05:15 | 15:00 | 47.6 | 45.2 | 59.8 | |
| 05:30 | 15:00 | 48.2 | 44.9 | 61.9 | |
| 05:45 | 15:00 | 46.5 | 44.1 | 58.0 | |
| 06:00 | 15:00 | 45.9 | 44.0 | 57.1 | |
| 06:15 | 15:00 | 47.2 | 44.5 | 60.7 | |
| 06:30 | 15:00 | 47.5 | 45.1 | 60.7 | |
| 06:45 | 15:00 | 47.4 | 45.2 | 61.0 | |
| Log Average 2300-0700 | | 46.7 | 45.2 | 48-63 | |
| Average 2300-0700 | | 46.7 | 45.2 | 48-63 | |
| Average 1130-2300 | | 49.3 | 45.8 | 48-83 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 106

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 47.9 | 45.3 | 59.3 | |
| 07:15 | 15:00 | 46.6 | 44.7 | 59.7 | |
| 07:30 | 15:00 | 46.1 | 44.4 | 53.1 | |
| 07:45 | 15:00 | 49.5 | 44.9 | 58.8 | |
| 08:00 | 15:00 | 47.6 | 44.8 | 66.5 | |
| 08:15 | 15:00 | 47.1 | 44.3 | 56.3 | |
| 08:30 | 15:00 | 47.5 | 44.8 | 58.8 | |
| 08:45 | 15:00 | 47.7 | 44.9 | 58.7 | |
| 09:00 | 15:00 | 48.0 | 45.4 | 65.8 | |
| 09:15 | 15:00 | 48.3 | 45.3 | 60.3 | |
| 09:30 | 15:00 | 48.5 | 45.5 | 57.4 | |
| 09:45 | 15:00 | 48.9 | 44.9 | 61.8 | |
| 10:00 | 15:00 | 51.6 | 46.1 | 62.0 | |
| 10:15 | 15:00 | 48.3 | 44.5 | 59.7 | |
| 10:30 | 15:00 | 48.2 | 44.7 | 58.9 | |
| 10:45 | 15:00 | 51.6 | 46.5 | 60.2 | |
| 11:00 | 15:00 | 47.1 | 44.4 | 60.9 | |
| 11:15 | 15:00 | 51.0 | 45.2 | 65.5 | |
| 11:30 | 15:00 | 47.6 | 44.8 | 61.1 | |
| 11:45 | 15:00 | 50.3 | 45.1 | 70.4 | |
| 12:00 | 15:00 | 49.6 | 46.7 | 59.0 | Rain |
| 12:15 | 15:00 | 50.0 | 45.3 | 60.0 | |
| 12:30 | 15:00 | 50.4 | 45.6 | 62.4 | Rain |
| 12:45 | 15:00 | 49.2 | 45.9 | 56.2 | |
| 13:00 | 15:00 | 47.7 | 44.9 | 59.3 | |
| 13:15 | 15:00 | 51.8 | 47.1 | 61.2 | |
| 13:30 | 15:00 | 51.8 | 47.0 | 62.4 | |
| 13:45 | 15:00 | 53.4 | 46.6 | 67.7 | |
| 14:00 | 15:00 | 53.6 | 47.3 | 65.0 | Rain |
| 14:15 | 15:00 | 50.2 | 45.9 | 59.7 | |
| 14:30 | 15:00 | 49.7 | 45.5 | 61.3 | |
| 14:45 | 15:00 | 53.0 | 47.5 | 64.4 | |
| Log Average 0700-1500 | | 49.8 | 45.5 | 53-70 | |
| Average 0700-1500 | | 49.4 | 45.5 | 53-70 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 107

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 52.8 | 48.2 | 63.1 | |
| 15:15 | 15:00 | 49.3 | 46.6 | 58.3 | |
| 15:30 | 15:00 | 50.0 | 47.5 | 58.2 | |
| 15:45 | 15:00 | 50.5 | 47.0 | 73.1 | |
| 16:00 | 15:00 | 54.3 | 49.6 | 66.4 | |
| 16:15 | 15:00 | 49.7 | 46.5 | 65.5 | |
| 16:30 | 15:00 | 47.7 | 45.3 | 55.7 | |
| 16:45 | 15:00 | 47.3 | 44.3 | 57.5 | |
| 17:00 | 15:00 | 48.6 | 45.4 | 63.6 | |
| 17:15 | 15:00 | 48.2 | 45.5 | 59.1 | |
| 17:30 | 15:00 | 48.3 | 45.5 | 63.1 | Rain |
| 17:45 | 15:00 | 46.7 | 44.1 | 58.9 | |
| 18:00 | 15:00 | 49.1 | 45.1 | 60.1 | |
| 18:15 | 15:00 | 48.1 | 46.0 | 61.6 | |
| 18:30 | 15:00 | 48.4 | 45.4 | 64.5 | |
| 18:45 | 15:00 | 45.6 | 44.2 | 56.0 | |
| 19:00 | 15:00 | 46.6 | 44.1 | 63.8 | |
| 19:15 | 15:00 | 46.9 | 44.2 | 65.1 | |
| 19:30 | 15:00 | 48.3 | 44.6 | 59.0 | |
| 19:45 | 15:00 | 52.2 | 47.9 | 60.1 | |
| 20:00 | 15:00 | 46.3 | 44.7 | 52.5 | |
| 20:15 | 15:00 | 45.6 | 44.3 | 51.3 | |
| 20:30 | 15:00 | 49.5 | 46.1 | 62.6 | |
| 20:45 | 15:00 | 47.2 | 45.6 | 58.3 | Rain |
| 21:00 | 15:00 | 46.5 | 45.4 | 51.7 | Rain |
| 21:15 | 15:00 | 46.1 | 45.1 | 52.6 | |
| 21:30 | 15:00 | 46.0 | 45.3 | 52.1 | |
| 21:45 | 15:00 | 45.5 | 44.5 | 56.1 | |
| 22:00 | 15:00 | 44.5 | 43.7 | 49.9 | |
| 22:15 | 15:00 | 45.3 | 44.4 | 52.5 | |
| 22:30 | 15:00 | 45.9 | 44.8 | 52.3 | |
| 22:45 | 15:00 | 46.9 | 45.1 | 53.9 | |
| Log Average 1500-2300 | | 48.6 | 45.7 | 50-73 | |
| Average 1500-2300 | | 47.9 | 45.5 | 50-73 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 108

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 45.8 | 44.3 | 50.3 | Rain |
| 23:15 | 15:00 | 46.0 | 43.8 | 54.7 | |
| 23:30 | 15:00 | 46.4 | 44.9 | 52.6 | |
| 23:45 | 15:00 | 46.3 | 45.3 | 50.9 | |
| 00:00 | 15:00 | 47.8 | 45.4 | 59.6 | |
| 00:15 | 15:00 | 49.0 | 45.5 | 64.8 | |
| 00:30 | 15:00 | 47.0 | 45.8 | 56.9 | |
| 00:45 | 15:00 | 46.3 | 45.0 | 50.6 | |
| 01:00 | 15:00 | 47.6 | 45.8 | 56.1 | |
| 01:15 | 15:00 | 48.6 | 46.4 | 55.0 | |
| 01:30 | 15:00 | 47.1 | 45.8 | 54.0 | |
| 01:45 | 15:00 | 48.7 | 46.5 | 56.6 | |
| 02:00 | 15:00 | 47.5 | 45.4 | 52.4 | |
| 02:15 | 15:00 | 46.9 | 45.3 | 52.9 | |
| 02:30 | 15:00 | 48.0 | 45.6 | 55.1 | |
| 02:45 | 15:00 | 48.0 | 44.6 | 58.0 | |
| 03:00 | 15:00 | 46.6 | 43.0 | 59.9 | |
| 03:15 | 15:00 | 46.1 | 44.4 | 51.8 | |
| 03:30 | 15:00 | 46.5 | 44.1 | 58.6 | |
| 03:45 | 15:00 | 44.2 | 42.6 | 52.9 | |
| 04:00 | 15:00 | 46.0 | 44.7 | 52.2 | |
| 04:15 | 15:00 | 47.8 | 45.6 | 64.5 | |
| 04:30 | 15:00 | 47.0 | 45.7 | 54.4 | |
| 04:45 | 15:00 | 46.9 | 45.3 | 59.0 | |
| 05:00 | 15:00 | 47.6 | 45.3 | 59.3 | |
| 05:15 | 15:00 | 47.9 | 45.3 | 61.2 | |
| 05:30 | 15:00 | 48.9 | 45.9 | 62.0 | |
| 05:45 | 15:00 | 49.5 | 46.8 | 60.1 | |
| 06:00 | 15:00 | 48.7 | 45.5 | 61.5 | |
| 06:15 | 15:00 | 50.4 | 46.0 | 61.4 | |
| 06:30 | 15:00 | 50.2 | 46.6 | 58.7 | |
| 06:45 | 15:00 | 50.5 | 45.7 | 60.8 | |
| Log Average 2300-0700 | | 47.8 | 45.3 | 50-65 | |
| Average 2300-0700 | | 47.6 | 45.2 | 50-65 | |
| Average 0700-2300 | | 49.2 | 45.6 | 50-73 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 109

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 50.1 | 45.4 | 66.0 | |
| 07:15 | 15:00 | 50.3 | 45.7 | 61.8 | |
| 07:30 | 15:00 | 49.1 | 46.0 | 63.4 | |
| 07:45 | 15:00 | 50.5 | 46.7 | 61.4 | |
| 08:00 | 15:00 | 50.9 | 47.9 | 62.4 | |
| 08:15 | 15:00 | 51.3 | 47.1 | 64.1 | |
| 08:30 | 15:00 | 50.8 | 46.8 | 63.2 | |
| 08:45 | 15:00 | 51.1 | 46.7 | 64.0 | |
| 09:00 | 15:00 | 50.3 | 46.8 | 61.8 | |
| 09:15 | 15:00 | 52.3 | 46.7 | 77.9 | |
| 09:30 | 15:00 | 50.7 | 47.0 | 59.9 | |
| 09:45 | 15:00 | 52.6 | 47.8 | 63.7 | |
| 10:00 | 15:00 | 49.4 | 45.9 | 62.6 | |
| 10:15 | 15:00 | 49.7 | 46.2 | 58.7 | |
| 10:30 | 15:00 | 49.0 | 46.2 | 58.3 | |
| 10:45 | 15:00 | 50.5 | 47.0 | 67.4 | |
| 11:00 | 15:00 | 52.8 | 47.3 | 70.0 | |
| 11:15 | 15:00 | 49.6 | 46.3 | 58.5 | |
| 11:30 | 15:00 | 48.6 | 44.7 | 75.1 | |
| 11:45 | 15:00 | 49.5 | 45.7 | 58.6 | |
| 12:00 | 15:00 | 48.7 | 46.0 | 58.7 | |
| 12:15 | 15:00 | 48.9 | 44.3 | 66.8 | |
| 12:30 | 15:00 | 48.3 | 46.0 | 56.9 | |
| 12:45 | 15:00 | 49.4 | 46.4 | 58.0 | |
| 13:00 | 15:00 | 48.2 | 46.1 | 57.3 | |
| 13:15 | 15:00 | 53.8 | 46.1 | 75.5 | |
| 13:30 | 15:00 | 48.8 | 45.8 | 67.4 | |
| 13:45 | 15:00 | 49.8 | 45.7 | 64.3 | |
| 14:00 | 15:00 | 48.3 | 46.0 | 60.5 | |
| 14:15 | 15:00 | 50.0 | 45.6 | 64.8 | |
| 14:30 | 15:00 | 47.8 | 44.8 | 62.5 | |
| 14:45 | 15:00 | 51.0 | 45.7 | 61.4 | |
| Log Average 0700-1500 | | 50.3 | 46.2 | 57-78 | |
| Average 0700-1500 | | 50.1 | 46.2 | 57-78 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 110

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 47.8 | 45.3 | 59.7 | |
| 15:15 | 15:00 | 46.8 | 44.4 | 59.8 | |
| 15:30 | 15:00 | 47.3 | 44.0 | 59.9 | |
| 15:45 | 15:00 | 47.1 | 44.9 | 58.0 | |
| 16:00 | 15:00 | 46.5 | 44.1 | 56.0 | |
| 16:15 | 15:00 | 47.3 | 43.9 | 62.4 | |
| 16:30 | 15:00 | 46.7 | 44.4 | 59.8 | |
| 16:45 | 15:00 | 45.7 | 43.5 | 57.3 | |
| 17:00 | 15:00 | 45.4 | 43.0 | 58.8 | |
| 17:15 | 15:00 | 46.2 | 43.2 | 57.2 | |
| 17:30 | 15:00 | 44.9 | 43.0 | 58.5 | |
| 17:45 | 15:00 | 45.0 | 43.2 | 56.8 | |
| 18:00 | 15:00 | 45.9 | 43.3 | 61.6 | |
| 18:15 | 15:00 | 45.3 | 44.0 | 53.1 | |
| 18:30 | 15:00 | 45.0 | 43.5 | 60.7 | |
| 18:45 | 15:00 | 45.9 | 43.8 | 63.2 | |
| 19:00 | 15:00 | 45.3 | 43.8 | 63.5 | |
| 19:15 | 15:00 | 45.8 | 44.7 | 51.9 | |
| 19:30 | 15:00 | 49.0 | 45.9 | 66.5 | |
| 19:45 | 15:00 | 46.7 | 44.2 | 63.3 | |
| 20:00 | 15:00 | 45.9 | 44.0 | 55.5 | |
| 20:15 | 15:00 | 46.7 | 44.2 | 60.6 | |
| 20:30 | 15:00 | 47.7 | 45.0 | 63.1 | |
| 20:45 | 15:00 | 45.7 | 45.0 | 51.1 | |
| 21:00 | 15:00 | 46.4 | 45.5 | 50.2 | |
| 21:15 | 15:00 | 46.8 | 46.0 | 50.7 | |
| 21:30 | 15:00 | 46.1 | 45.4 | 49.5 | |
| 21:45 | 15:00 | 46.6 | 45.7 | 51.9 | |
| 22:00 | 15:00 | 46.5 | 45.9 | 52.6 | |
| 22:15 | 15:00 | 46.5 | 45.6 | 53.2 | |
| 22:30 | 15:00 | 46.9 | 46.0 | 53.6 | |
| 22:45 | 15:00 | 50.5 | 49.2 | 55.2 | |
| Log Average 1500-2300 | | 46.6 | 44.8 | 50-67 | |
| Average 1500-2300 | | 46.5 | 44.6 | 50-67 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 111

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 48.4 | 47.1 | 52.2 | |
| 23:15 | 15:00 | 47.4 | 46.4 | 50.4 | |
| 23:30 | 15:00 | 48.4 | 47.5 | 55.9 | |
| 23:45 | 15:00 | 47.3 | 46.7 | 49.4 | |
| 00:00 | 15:00 | 47.1 | 46.4 | 56.3 | Rain |
| 00:15 | 15:00 | 48.0 | 46.6 | 51.1 | Rain |
| 00:30 | 15:00 | 47.9 | 46.6 | 51.1 | |
| 00:45 | 15:00 | 46.4 | 45.6 | 52.0 | Rain |
| 01:00 | 15:00 | 45.6 | 44.9 | 53.5 | |
| 01:15 | 15:00 | 46.0 | 44.9 | 48.0 | |
| 01:30 | 15:00 | 46.8 | 46.2 | 48.5 | |
| 01:45 | 15:00 | 49.8 | 47.5 | 53.3 | |
| 02:00 | 15:00 | 51.0 | 49.8 | 58.9 | |
| 02:15 | 15:00 | 52.4 | 49.8 | 56.8 | |
| 02:30 | 15:00 | 49.2 | 47.3 | 55.3 | |
| 02:45 | 15:00 | 51.9 | 49.5 | 56.2 | |
| 03:00 | 15:00 | 54.2 | 52.2 | 58.8 | Rain |
| 03:15 | 15:00 | 56.6 | 53.4 | 59.3 | Rain |
| 03:30 | 15:00 | 57.7 | 56.7 | 61.6 | Rain |
| 03:45 | 15:00 | 55.2 | 52.7 | 59.8 | Rain |
| 04:00 | 15:00 | 50.1 | 48.8 | 55.4 | Rain |
| 04:15 | 15:00 | 49.6 | 48.7 | 56.9 | Rain |
| 04:30 | 15:00 | 48.7 | 47.4 | 57.6 | Rain |
| 04:45 | 15:00 | 48.6 | 47.1 | 56.2 | Rain |
| 05:00 | 15:00 | 49.4 | 47.0 | 61.6 | |
| 05:15 | 15:00 | 48.7 | 47.1 | 56.0 | |
| 05:30 | 15:00 | 49.5 | 47.5 | 57.3 | Rain |
| 05:45 | 15:00 | 49.0 | 47.5 | 63.0 | |
| 06:00 | 15:00 | 48.1 | 47.1 | 55.4 | |
| 06:15 | 15:00 | 49.2 | 47.7 | 56.6 | |
| 06:30 | 15:00 | 50.0 | 48.3 | 61.8 | |
| 06:45 | 15:00 | 50.9 | 48.6 | 60.0 | Rain |
| Log Average 2300-0700 | | 50.8 | 49.1 | 48-63 | |
| Average 2300-0700 | | 49.7 | 48.1 | 48-63 | |
| Average 0700-2300 | | 49.3 | 45.2 | 50-78 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 112

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 50.6 | 48.9 | 61.1 | |
| 07:15 | 15:00 | 49.6 | 48.6 | 59.6 | |
| 07:30 | 15:00 | 50.0 | 48.9 | 60.5 | |
| 07:45 | 15:00 | 51.0 | 49.7 | 64.0 | |
| 08:00 | 15:00 | 51.0 | 49.4 | 57.3 | |
| 08:15 | 15:00 | 50.4 | 49.2 | 58.9 | |
| 08:30 | 15:00 | 50.5 | 49.2 | 58.9 | |
| 08:45 | 15:00 | 53.1 | 49.0 | 83.7 | |
| 09:00 | 15:00 | 50.3 | 48.6 | 63.1 | |
| 09:15 | 15:00 | 51.7 | 49.1 | 63.0 | |
| 09:30 | 15:00 | 50.2 | 49.1 | 53.9 | |
| 09:45 | 15:00 | 51.3 | 49.7 | 59.4 | |
| 10:00 | 15:00 | 52.0 | 50.3 | 61.9 | |
| 10:15 | 15:00 | 51.7 | 50.4 | 63.5 | |
| 10:30 | 15:00 | 51.4 | 50.1 | 60.5 | |
| 10:45 | 15:00 | 51.2 | 50.1 | 55.1 | |
| 11:00 | 15:00 | 51.5 | 50.0 | 59.2 | |
| 11:15 | 15:00 | 51.1 | 49.8 | 60.5 | |
| 11:30 | 15:00 | 52.3 | 50.7 | 60.7 | |
| 11:45 | 15:00 | 51.3 | 49.8 | 65.1 | |
| 12:00 | 15:00 | 51.6 | 49.5 | 60.0 | |
| 12:15 | 15:00 | 52.0 | 50.1 | 60.4 | |
| 12:30 | 15:00 | 51.8 | 50.0 | 66.0 | |
| 12:45 | 15:00 | 51.4 | 50.0 | 55.1 | |
| 13:00 | 15:00 | 53.4 | 50.8 | 62.0 | |
| 13:15 | 15:00 | 51.9 | 50.2 | 59.0 | |
| 13:30 | 15:00 | 51.2 | 49.1 | 60.5 | |
| 13:45 | 15:00 | 52.0 | 49.9 | 61.1 | |
| 14:00 | 15:00 | 50.8 | 48.7 | 72.5 | |
| 14:15 | 15:00 | 50.1 | 48.4 | 60.0 | |
| 14:30 | 15:00 | 50.1 | 48.2 | 61.6 | |
| 14:45 | 15:00 | 51.9 | 49.3 | 64.5 | |
| Log Average 0700-1500 | | 51.3 | 49.5 | 54-84 | |
| Average 0700-1500 | | 51.3 | 49.5 | 54-84 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 113

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 50.7 | 49.3 | 55.7 | |
| 15:15 | 15:00 | 49.7 | 48.0 | 58.0 | |
| 15:30 | 15:00 | 52.7 | 48.8 | 79.4 | |
| 15:45 | 15:00 | 50.0 | 47.8 | 60.9 | |
| 16:00 | 15:00 | 51.6 | 48.5 | 63.6 | |
| 16:15 | 15:00 | 50.5 | 48.5 | 58.7 | |
| 16:30 | 15:00 | 50.5 | 48.5 | 62.6 | |
| 16:45 | 15:00 | 50.9 | 48.7 | 61.1 | |
| 17:00 | 15:00 | 51.0 | 48.5 | 59.3 | |
| 17:15 | 15:00 | 50.2 | 48.3 | 58.0 | |
| 17:30 | 15:00 | 50.5 | 48.5 | 60.1 | |
| 17:45 | 15:00 | 49.7 | 48.2 | 58.7 | |
| 18:00 | 15:00 | 49.2 | 47.4 | 62.6 | |
| 18:15 | 15:00 | 48.3 | 47.0 | 59.3 | |
| 18:30 | 15:00 | 48.3 | 46.9 | 65.6 | |
| 18:45 | 15:00 | 48.2 | 46.9 | 53.3 | |
| 19:00 | 15:00 | 48.9 | 47.7 | 59.8 | |
| 19:15 | 15:00 | 48.5 | 47.4 | 57.6 | |
| 19:30 | 15:00 | 48.6 | 47.5 | 56.3 | |
| 19:45 | 15:00 | 49.0 | 46.9 | 66.1 | |
| 20:00 | 15:00 | 48.2 | 46.2 | 63.0 | |
| 20:15 | 15:00 | 48.8 | 45.9 | 67.4 | |
| 20:30 | 15:00 | 47.0 | 45.7 | 51.7 | |
| 20:45 | 15:00 | 47.5 | 46.3 | 53.9 | |
| 21:00 | 15:00 | 48.8 | 46.9 | 54.3 | |
| 21:15 | 15:00 | 49.1 | 47.2 | 55.9 | |
| 21:30 | 15:00 | 49.8 | 47.7 | 58.9 | |
| 21:45 | 15:00 | 50.4 | 47.9 | 59.3 | |
| 22:00 | 15:00 | 51.3 | 48.4 | 63.3 | |
| 22:15 | 15:00 | 49.9 | 47.4 | 59.0 | |
| 22:30 | 15:00 | 48.5 | 47.0 | 56.8 | |
| 22:45 | 15:00 | 48.6 | 47.0 | 54.0 | |
| Log Average 1500-2300 | | 49.7 | 47.6 | 52-79 | |
| Average 1500-2300 | | 49.5 | 47.6 | 52-79 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 114

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 47.1 | 46.1 | 51.3 | |
| 23:15 | 15:00 | 46.8 | 45.7 | 49.9 | |
| 23:30 | 15:00 | 46.9 | 45.3 | 54.0 | |
| 23:45 | 15:00 | 45.9 | 45.0 | 48.9 | |
| 00:00 | 15:00 | 46.9 | 45.9 | 53.2 | |
| 00:15 | 15:00 | 46.1 | 45.2 | 49.0 | |
| 00:30 | 15:00 | 46.0 | 45.3 | 48.9 | |
| 00:45 | 15:00 | 46.0 | 45.2 | 48.9 | |
| 01:00 | 15:00 | 46.1 | 45.0 | 50.4 | |
| 01:15 | 15:00 | 45.8 | 44.9 | 51.2 | |
| 01:30 | 15:00 | 45.8 | 44.9 | 48.3 | |
| 01:45 | 15:00 | 45.8 | 45.2 | 48.1 | |
| 02:00 | 15:00 | 45.6 | 44.9 | 48.0 | |
| 02:15 | 15:00 | 46.4 | 45.1 | 49.7 | |
| 02:30 | 15:00 | 47.0 | 46.0 | 54.2 | |
| 02:45 | 15:00 | 47.4 | 46.4 | 53.6 | |
| 03:00 | 15:00 | 47.5 | 46.5 | 50.8 | |
| 03:15 | 15:00 | 46.5 | 45.7 | 49.2 | |
| 03:30 | 15:00 | 46.8 | 46.0 | 51.2 | |
| 03:45 | 15:00 | 46.4 | 45.5 | 48.7 | |
| 04:00 | 15:00 | 47.0 | 46.2 | 50.8 | |
| 04:15 | 15:00 | 46.8 | 45.8 | 57.0 | |
| 04:30 | 15:00 | 47.8 | 45.9 | 66.9 | |
| 04:45 | 15:00 | 47.6 | 46.5 | 56.7 | |
| 05:00 | 15:00 | 47.5 | 46.5 | 53.6 | |
| 05:15 | 15:00 | 47.1 | 45.7 | 56.8 | |
| 05:30 | 15:00 | 47.6 | 46.0 | 56.9 | |
| 05:45 | 15:00 | 46.8 | 45.7 | 53.7 | |
| 06:00 | 15:00 | 47.4 | 45.7 | 58.6 | |
| 06:15 | 15:00 | 46.5 | 45.3 | 52.3 | |
| 06:30 | 15:00 | 46.6 | 45.7 | 50.9 | |
| 06:45 | 15:00 | 47.1 | 46.0 | 60.3 | |
| Log Average 2300-0700 | | 46.7 | 45.6 | 48-67 | |
| Average 2300-0700 | | 46.7 | 45.6 | 48-67 | |
| Average 0700-2300 | | 50.6 | 48.7 | 52-84 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 115

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 47.4 | 45.8 | 59.0 | |
| 07:15 | 15:00 | 46.2 | 44.4 | 68.6 | |
| 07:30 | 15:00 | 46.5 | 45.0 | 64.3 | |
| 07:45 | 15:00 | 47.5 | 45.4 | 61.3 | |
| 08:00 | 15:00 | 46.6 | 45.3 | 55.9 | |
| 08:15 | 15:00 | 47.6 | 46.3 | 60.8 | |
| 08:30 | 15:00 | 47.2 | 46.1 | 53.8 | |
| 08:45 | 15:00 | 47.6 | 46.3 | 61.0 | |
| 09:00 | 15:00 | 48.2 | 46.1 | 58.1 | |
| 09:15 | 15:00 | 48.1 | 45.6 | 58.0 | |
| 09:30 | 15:00 | 47.9 | 45.9 | 63.9 | |
| 09:45 | 15:00 | 48.1 | 46.7 | 61.1 | |
| 10:00 | 15:00 | 47.8 | 46.3 | 61.7 | |
| 10:15 | 15:00 | 48.4 | 46.8 | 61.1 | |
| 10:30 | 15:00 | 49.2 | 48.1 | 57.7 | |
| 10:45 | 15:00 | 49.1 | 47.3 | 66.8 | |
| 11:00 | 15:00 | 48.2 | 45.7 | 60.4 | |
| 11:15 | 15:00 | 46.4 | 45.0 | 58.4 | |
| 11:30 | 15:00 | 46.1 | 44.5 | 58.2 | |
| 11:45 | 15:00 | 46.9 | 44.8 | 54.9 | |
| 12:00 | 15:00 | 46.8 | 44.9 | 63.9 | |
| 12:15 | 15:00 | 46.9 | 45.5 | 52.3 | |
| 12:30 | 15:00 | 46.9 | 45.5 | 54.5 | |
| 12:45 | 15:00 | 47.3 | 45.7 | 59.9 | |
| 13:00 | 15:00 | 48.2 | 47.0 | 52.8 | |
| 13:15 | 15:00 | 47.3 | 46.1 | 53.9 | |
| 13:30 | 15:00 | 46.7 | 45.4 | 52.8 | |
| 13:45 | 15:00 | 46.9 | 45.2 | 52.0 | |
| 14:00 | 15:00 | 48.5 | 46.8 | 61.0 | |
| 14:15 | 15:00 | 47.9 | 46.3 | 61.4 | |
| 14:30 | 15:00 | 47.7 | 45.9 | 62.8 | |
| 14:45 | 15:00 | 47.5 | 45.9 | 65.9 | |
| Log Average 0700-1500 | | 47.5 | 45.9 | 52-69 | |
| Average 0700-1500 | | 47.5 | 45.9 | 52-69 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 116

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 47.7 | 46.3 | 59.9 | |
| 15:15 | 15:00 | 47.2 | 45.9 | 57.0 | |
| 15:30 | 15:00 | 48.1 | 45.7 | 59.2 | |
| 15:45 | 15:00 | 47.7 | 45.5 | 60.6 | |
| 16:00 | 15:00 | 47.9 | 46.1 | 59.4 | |
| 16:15 | 15:00 | 47.7 | 46.6 | 55.2 | |
| 16:30 | 15:00 | 47.1 | 45.8 | 61.6 | |
| 16:45 | 15:00 | 46.4 | 45.5 | 54.5 | |
| 17:00 | 15:00 | 46.7 | 45.6 | 53.4 | |
| 17:15 | 15:00 | 47.1 | 45.9 | 57.7 | |
| 17:30 | 15:00 | 48.9 | 45.8 | 68.1 | |
| 17:45 | 15:00 | 46.8 | 44.8 | 54.4 | |
| 18:00 | 15:00 | 46.9 | 44.8 | 63.0 | |
| 18:15 | 15:00 | 46.0 | 44.6 | 55.6 | |
| 18:30 | 15:00 | 47.1 | 45.7 | 60.4 | |
| 18:45 | 15:00 | 45.6 | 44.4 | 54.5 | |
| 19:00 | 15:00 | 45.4 | 43.8 | 52.4 | |
| 19:15 | 15:00 | 46.1 | 44.6 | 61.0 | |
| 19:30 | 15:00 | 46.5 | 45.0 | 63.7 | |
| 19:45 | 15:00 | 48.4 | 44.7 | 65.7 | |
| 20:00 | 15:00 | 46.4 | 45.0 | 54.3 | |
| 20:15 | 15:00 | 47.1 | 45.3 | 53.1 | |
| 20:30 | 15:00 | 46.4 | 44.9 | 50.8 | |
| 20:45 | 15:00 | 46.9 | 45.0 | 56.7 | |
| 21:00 | 15:00 | 45.3 | 44.2 | 49.5 | |
| 21:15 | 15:00 | 45.7 | 44.0 | 58.3 | |
| 21:30 | 15:00 | 45.1 | 44.2 | 52.3 | |
| 21:45 | 15:00 | 45.3 | 44.4 | 51.2 | |
| 22:00 | 15:00 | 45.9 | 44.8 | 50.1 | |
| 22:15 | 15:00 | 45.3 | 44.1 | 49.2 | |
| 22:30 | 15:00 | 45.2 | 44.0 | 51.4 | |
| 22:45 | 15:00 | 46.0 | 44.9 | 51.0 | |
| Log Average 1500-2300 | | 46.7 | 45.1 | 49-68 | |
| Average 1500-2300 | | 46.6 | 45.1 | 49-68 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 117

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 46.1 | 45.0 | 53.8 | |
| 23:15 | 15:00 | 46.0 | 45.1 | 49.4 | |
| 23:30 | 15:00 | 45.5 | 44.7 | 50.1 | |
| 23:45 | 15:00 | 45.9 | 45.1 | 51.2 | |
| 00:00 | 15:00 | 45.9 | 45.0 | 50.0 | |
| 00:15 | 15:00 | 46.1 | 45.5 | 47.7 | |
| 00:30 | 15:00 | 46.2 | 45.6 | 47.8 | |
| 00:45 | 15:00 | 45.4 | 44.8 | 47.5 | |
| 01:00 | 15:00 | 46.7 | 45.6 | 49.9 | |
| 01:15 | 15:00 | 46.2 | 45.4 | 48.7 | |
| 01:30 | 15:00 | 46.8 | 46.1 | 50.1 | |
| 01:45 | 15:00 | 46.3 | 45.5 | 48.9 | |
| 02:00 | 15:00 | 46.2 | 45.2 | 49.9 | |
| 02:15 | 15:00 | 45.7 | 44.9 | 48.3 | |
| 02:30 | 15:00 | 45.0 | 43.6 | 47.4 | |
| 02:45 | 15:00 | 44.9 | 43.6 | 51.8 | |
| 03:00 | 15:00 | 45.2 | 43.8 | 48.3 | |
| 03:15 | 15:00 | 45.4 | 44.4 | 48.2 | |
| 03:30 | 15:00 | 45.8 | 45.0 | 49.3 | |
| 03:45 | 15:00 | 45.6 | 44.8 | 50.1 | |
| 04:00 | 15:00 | 46.1 | 44.9 | 60.9 | |
| 04:15 | 15:00 | 46.3 | 45.4 | 55.5 | |
| 04:30 | 15:00 | 46.4 | 44.9 | 65.5 | |
| 04:45 | 15:00 | 46.6 | 44.7 | 65.0 | |
| 05:00 | 15:00 | 46.6 | 45.0 | 65.6 | |
| 05:15 | 15:00 | 46.0 | 44.6 | 55.9 | |
| 05:30 | 15:00 | 47.0 | 45.5 | 53.2 | |
| 05:45 | 15:00 | 47.1 | 45.5 | 53.1 | |
| 06:00 | 15:00 | 46.8 | 45.6 | 55.1 | |
| 06:15 | 15:00 | 46.7 | 45.2 | 56.3 | |
| 06:30 | 15:00 | 47.3 | 45.8 | 57.8 | |
| 06:45 | 15:00 | 48.4 | 46.7 | 60.4 | |
| Log Average 2300-0700 | | 46.2 | 45.1 | 47-66 | |
| Average 2300-0700 | | 46.2 | 45.1 | 47-66 | |
| Average 0700-2300 | | 47.1 | 45.5 | 49-69 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 118

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 48.6 | 47.0 | 65.5 | |
| 07:15 | 15:00 | 48.1 | 46.5 | 57.1 | |
| 07:30 | 15:00 | 47.7 | 46.1 | 55.7 | |
| 07:45 | 15:00 | 47.7 | 46.4 | 52.4 | |
| 08:00 | 15:00 | 47.5 | 45.9 | 59.5 | |
| 08:15 | 15:00 | 46.6 | 45.1 | 60.5 | |
| 08:30 | 15:00 | 46.4 | 45.1 | 58.5 | |
| 08:45 | 15:00 | 46.7 | 45.1 | 56.2 | |
| 09:00 | 15:00 | 47.1 | 45.3 | 69.5 | |
| 09:15 | 15:00 | 47.7 | 45.1 | 62.1 | |
| 09:30 | 15:00 | 47.0 | 45.4 | 53.6 | |
| 09:45 | 15:00 | 47.0 | 45.7 | 55.3 | |
| 10:00 | 15:00 | 46.9 | 45.0 | 64.9 | |
| 10:15 | 15:00 | 46.3 | 45.0 | 58.7 | |
| 10:30 | 15:00 | 47.9 | 46.1 | 66.3 | |
| 10:45 | 15:00 | 46.8 | 45.2 | 61.7 | |
| 11:00 | 15:00 | 47.5 | 46.2 | 55.0 | |
| 11:15 | 15:00 | 48.1 | 46.9 | 57.3 | |
| 11:30 | 15:00 | 48.1 | 46.0 | 60.9 | |
| 11:45 | 15:00 | 48.5 | 46.7 | 64.1 | |
| 12:00 | 15:00 | 46.9 | 45.8 | 52.9 | |
| 12:15 | 15:00 | 47.6 | 46.1 | 54.7 | |
| 12:30 | 15:00 | 47.6 | 46.1 | 60.4 | |
| 12:45 | 15:00 | 46.8 | 45.3 | 55.4 | |
| 13:00 | 15:00 | 47.0 | 45.4 | 55.6 | |
| 13:15 | 15:00 | 46.7 | 45.2 | 63.2 | |
| 13:30 | 15:00 | 46.6 | 45.4 | 56.3 | |
| 13:45 | 15:00 | 47.9 | 46.1 | 59.5 | |
| 14:00 | 15:00 | 48.4 | 47.0 | 58.6 | |
| 14:15 | 15:00 | 49.1 | 47.6 | 60.0 | |
| 14:30 | 15:00 | 49.1 | 47.6 | 67.8 | |
| 14:45 | 15:00 | 48.7 | 47.2 | 57.0 | |
| Log Average 0700-1500 | | 47.5 | 46.0 | 52-70 | |
| Average 0700-1500 | | 47.5 | 45.9 | 52-70 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 119

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 48.5 | 47.2 | 57.6 | |
| 15:15 | 15:00 | 48.7 | 47.5 | 59.5 | |
| 15:30 | 15:00 | 48.5 | 46.8 | 56.7 | |
| 15:45 | 15:00 | 47.8 | 45.5 | 53.7 | |
| 16:00 | 15:00 | 48.7 | 47.6 | 58.8 | |
| 16:15 | 15:00 | 48.6 | 47.1 | 58.9 | |
| 16:30 | 15:00 | 48.1 | 46.7 | 55.9 | |
| 16:45 | 15:00 | 48.3 | 46.8 | 57.9 | |
| 17:00 | 15:00 | 48.5 | 46.8 | 59.6 | |
| 17:15 | 15:00 | 48.3 | 47.0 | 55.5 | |
| 17:30 | 15:00 | 47.9 | 46.7 | 59.1 | |
| 17:45 | 15:00 | 47.6 | 46.2 | 54.9 | |
| 18:00 | 15:00 | 48.2 | 46.8 | 58.5 | |
| 18:15 | 15:00 | 47.6 | 46.2 | 58.4 | |
| 18:30 | 15:00 | 47.7 | 46.5 | 54.3 | |
| 18:45 | 15:00 | 48.7 | 46.9 | 60.4 | |
| 19:00 | 15:00 | 48.1 | 46.6 | 64.5 | |
| 19:15 | 15:00 | 47.7 | 46.7 | 56.6 | |
| 19:30 | 15:00 | 48.0 | 46.9 | 58.3 | |
| 19:45 | 15:00 | 48.3 | 47.1 | 56.7 | |
| 20:00 | 15:00 | 49.1 | 47.0 | 63.5 | |
| 20:15 | 15:00 | 48.7 | 46.9 | 63.9 | |
| 20:30 | 15:00 | 47.9 | 47.0 | 56.1 | |
| 20:45 | 15:00 | 48.0 | 47.1 | 53.9 | |
| 21:00 | 15:00 | 47.6 | 46.8 | 50.6 | |
| 21:15 | 15:00 | 47.8 | 46.6 | 50.6 | |
| 21:30 | 15:00 | 47.1 | 46.3 | 49.6 | |
| 21:45 | 15:00 | 47.1 | 46.0 | 50.0 | |
| 22:00 | 15:00 | 47.9 | 46.3 | 54.9 | |
| 22:15 | 15:00 | 47.1 | 46.0 | 50.6 | |
| 22:30 | 15:00 | 46.1 | 45.3 | 52.9 | |
| 22:45 | 15:00 | 45.7 | 44.9 | 48.7 | |
| Log Average 1500-2300 | | 47.9 | 46.6 | 49-65 | |
| Average 1500-2300 | | 47.9 | 46.6 | 49-65 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 120

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 46.1 | 45.4 | 48.1 | |
| 23:15 | 15:00 | 46.4 | 45.8 | 48.2 | |
| 23:30 | 15:00 | 46.4 | 45.5 | 48.9 | |
| 23:45 | 15:00 | 45.7 | 44.9 | 48.4 | |
| 00:00 | 15:00 | 46.2 | 45.2 | 49.0 | |
| 00:15 | 15:00 | 45.9 | 45.1 | 49.0 | |
| 00:30 | 15:00 | 46.0 | 45.2 | 48.6 | |
| 00:45 | 15:00 | 46.3 | 45.5 | 49.4 | |
| 01:00 | 15:00 | 45.5 | 44.8 | 47.9 | |
| 01:15 | 15:00 | 45.0 | 44.3 | 47.1 | |
| 01:30 | 15:00 | 46.3 | 44.7 | 53.0 | |
| 01:45 | 15:00 | 46.4 | 45.6 | 49.1 | |
| 02:00 | 15:00 | 46.7 | 45.7 | 56.4 | |
| 02:15 | 15:00 | 46.3 | 45.4 | 49.8 | |
| 02:30 | 15:00 | 46.0 | 44.9 | 52.8 | |
| 02:45 | 15:00 | 45.6 | 44.7 | 49.2 | |
| 03:00 | 15:00 | 45.0 | 44.4 | 46.8 | |
| 03:15 | 15:00 | 45.0 | 44.4 | 47.2 | |
| 03:30 | 15:00 | 45.3 | 44.4 | 53.8 | |
| 03:45 | 15:00 | 45.4 | 44.5 | 50.1 | |
| 04:00 | 15:00 | 46.2 | 44.8 | 64.2 | |
| 04:15 | 15:00 | 47.1 | 44.8 | 60.5 | |
| 04:30 | 15:00 | 45.6 | 44.8 | 53.2 | |
| 04:45 | 15:00 | 46.7 | 45.4 | 58.2 | |
| 05:00 | 15:00 | 46.8 | 45.6 | 57.5 | |
| 05:15 | 15:00 | 47.0 | 45.0 | 58.7 | |
| 05:30 | 15:00 | 47.4 | 45.1 | 60.3 | |
| 05:45 | 15:00 | 47.4 | 45.4 | 60.5 | |
| 06:00 | 15:00 | 46.6 | 44.9 | 57.2 | |
| 06:15 | 15:00 | 47.5 | 45.2 | 63.4 | |
| 06:30 | 15:00 | 47.2 | 45.2 | 58.9 | |
| 06:45 | 15:00 | 47.1 | 45.4 | 57.0 | |
| Log Average 2300-0700 | | 46.3 | 45.0 | 47-64 | |
| Average 2300-0700 | | 46.2 | 45.0 | 47-64 | |
| Average 0700-2300 | | 47.7 | 46.3 | 49-70 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 121

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 46.9 | 45.2 | 59.3 | |
| 07:15 | 15:00 | 46.9 | 45.2 | 56.7 | |
| 07:30 | 15:00 | 47.4 | 45.0 | 61.6 | |
| 07:45 | 15:00 | 46.2 | 44.3 | 55.7 | |
| 08:00 | 15:00 | 46.2 | 44.3 | 64.7 | |
| 08:15 | 15:00 | 46.3 | 44.6 | 54.5 | |
| 08:30 | 15:00 | 50.0 | 44.7 | 65.4 | |
| 08:45 | 15:00 | 50.3 | 45.8 | 74.4 | |
| 09:00 | 15:00 | 50.8 | 44.8 | 77.9 | |
| 09:15 | 15:00 | 50.3 | 43.5 | 74.0 | |
| 09:30 | 15:00 | 47.3 | 43.2 | 67.3 | |
| 09:45 | 15:00 | 48.8 | 43.7 | 63.2 | |
| 10:00 | 15:00 | 46.1 | 43.3 | 63.2 | |
| 10:15 | 15:00 | 47.5 | 44.6 | 59.0 | |
| 10:30 | 15:00 | 47.9 | 45.6 | 59.0 | |
| 10:45 | 15:00 | 47.2 | 45.4 | 63.3 | |
| 11:00 | 15:00 | 47.9 | 45.4 | 67.9 | |
| 11:15 | 15:00 | 54.4 | 45.6 | 77.7 | |
| 11:30 | 15:00 | 52.2 | 45.8 | 77.0 | |
| 11:45 | 15:00 | 47.5 | 45.6 | 57.2 | |
| 12:00 | 15:00 | 47.4 | 45.1 | 59.5 | |
| 12:15 | 15:00 | 48.0 | 45.3 | 62.8 | |
| 12:30 | 15:00 | 47.5 | 45.2 | 72.6 | |
| 12:45 | 15:00 | 47.7 | 46.2 | 68.2 | |
| 13:00 | 15:00 | 47.7 | 46.5 | 57.3 | |
| 13:15 | 15:00 | 48.0 | 46.6 | 57.6 | |
| 13:30 | 15:00 | 47.5 | 46.3 | 54.1 | |
| 13:45 | 15:00 | 48.9 | 47.2 | 65.2 | |
| 14:00 | 15:00 | 48.6 | 47.3 | 56.6 | |
| 14:15 | 15:00 | 48.6 | 47.2 | 57.8 | |
| 14:30 | 15:00 | 47.9 | 46.4 | 53.9 | |
| 14:45 | 15:00 | 47.6 | 46.5 | 58.3 | |
| Log Average 0700-1500 | | 48.6 | 45.4 | 54-78 | |
| Average 0700-1500 | | 48.2 | 45.4 | 54-78 | |

Noise Survey Results

Date: Monday 2nd August 2021

TABLE 122

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

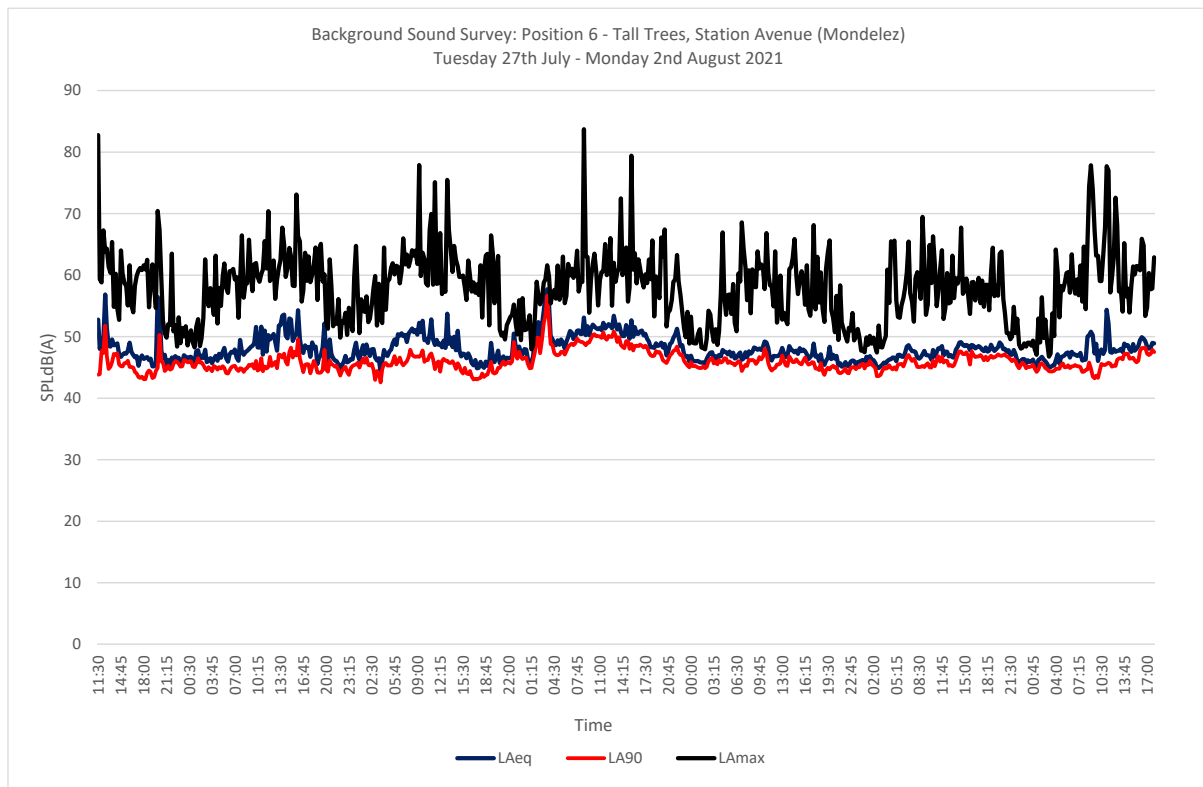
Project: **Baseline Sound Survey**

Data: **Position 6 - Tall Trees, Station Avenue (Mondelez)**

Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

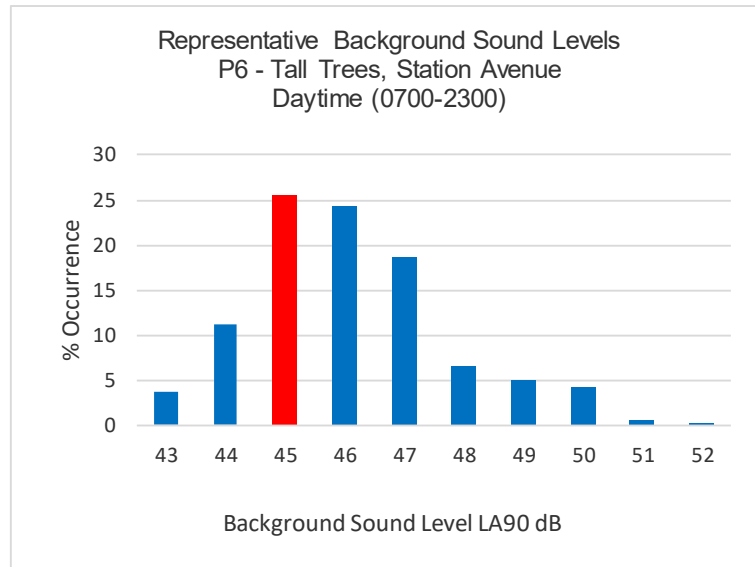
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 48.8 | 46.6 | 61.4 | |
| 15:15 | 15:00 | 47.7 | 46.2 | 60.1 | |
| 15:30 | 15:00 | 48.1 | 45.9 | 61.5 | |
| 15:45 | 15:00 | 48.5 | 46.1 | 61.4 | |
| 16:00 | 15:00 | 49.4 | 47.7 | 60.8 | |
| 16:15 | 15:00 | 49.9 | 48.2 | 65.9 | |
| 16:30 | 15:00 | 49.6 | 48.1 | 64.8 | |
| 16:45 | 15:00 | 49.3 | 48.3 | 53.4 | |
| 17:00 | 15:00 | 48.4 | 47.3 | 54.7 | |
| 17:15 | 15:00 | 48.1 | 47.0 | 60.3 | |
| 17:30 | 15:00 | 48.2 | 47.2 | 57.7 | |
| 17:45 | 15:00 | 49.0 | 47.9 | 57.8 | |
| 18:00 | 15:00 | 48.9 | 47.5 | 62.9 | |
| Log Average 1500-1845 | | 48.8 | 47.2 | 63-89 | |
| Average 1500-1845 | | 48.8 | 47.2 | 63-89 | |
| Average 0700-2300 | | 46.2 | 0.0 | 63-89 | |
| Overall Log Average | | 47.8 | 46.2 | 47-67 | With Rain |
| Overall Log Average | | 48.9 | 46.4 | 48-84 | With Rain |
| | | | | | |
| Overall Log Average | | 47.4 | 45.9 | 47-67 | No Rain |
| Overall Log Average | | 48.8 | 46.4 | 48-84 | No Rain |

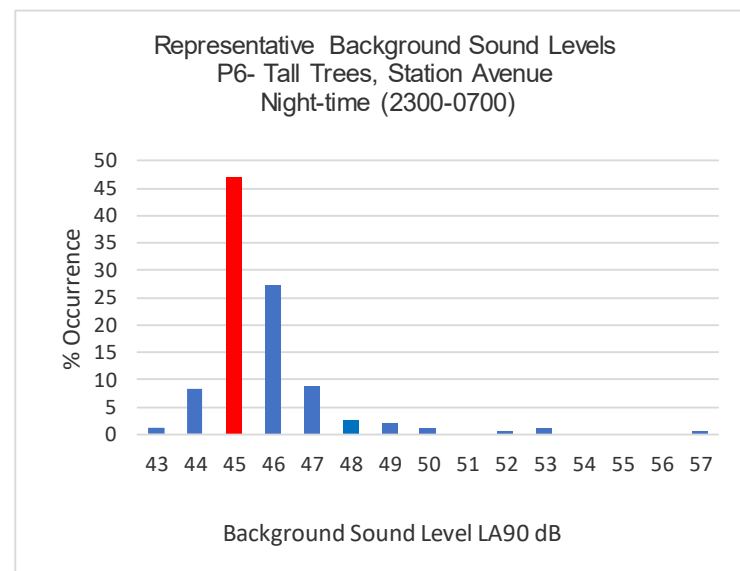


LA90 Representative Levels

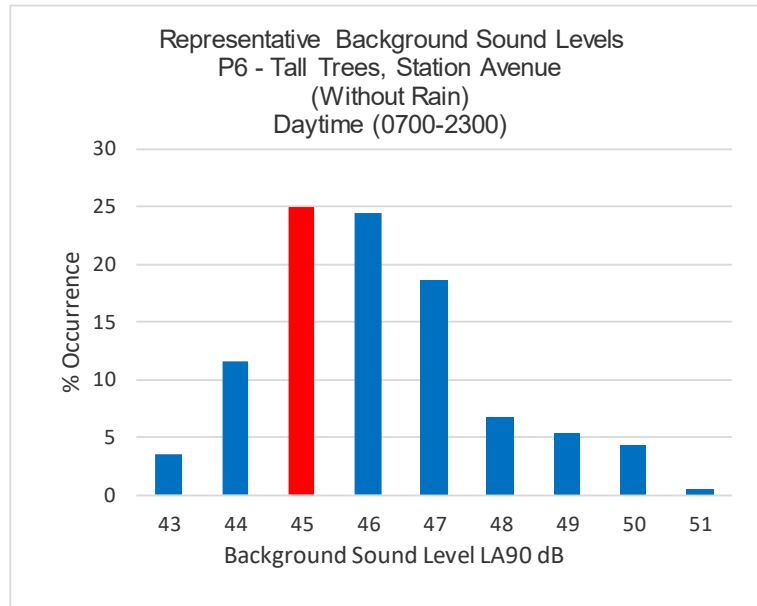
| LA90 | % Occurrence |
|-----------|--------------|
| 43 | 3.6 |
| 44 | 11.2 |
| 45 | 25.5 |
| 46 | 24.3 |
| 47 | 18.7 |
| 48 | 6.6 |
| 49 | 5.1 |
| 50 | 4.1 |
| 51 | 0.5 |
| 52 | 0.2 |



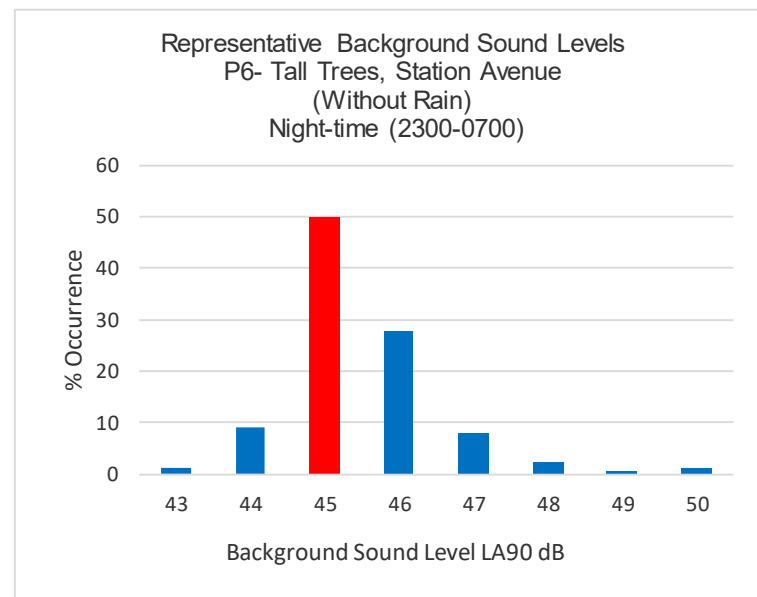
| LA90 | % Occurrence |
|-----------|--------------|
| 43 | 1.0 |
| 44 | 8.3 |
| 45 | 46.9 |
| 46 | 27.1 |
| 47 | 8.9 |
| 48 | 2.6 |
| 49 | 2.1 |
| 50 | 1.0 |
| 51 | 0.0 |
| 52 | 0.5 |
| 53 | 1.0 |
| 54 | 0.0 |
| 55 | 0.0 |
| 56 | 0.0 |
| 57 | 0.5 |



| LA90 | % Occurrence |
|-----------|--------------|
| 43 | 3.5 |
| 44 | 11.6 |
| 45 | 24.9 |
| 46 | 24.4 |
| 47 | 18.6 |
| 48 | 6.8 |
| 49 | 5.3 |
| 50 | 4.3 |
| 51 | 0.5 |



| LA90 | % Occurrence |
|-----------|--------------|
| 43 | 1.1 |
| 44 | 9.1 |
| 45 | 50.0 |
| 46 | 27.8 |
| 47 | 8.0 |
| 48 | 2.3 |
| 49 | 0.6 |
| 50 | 1.1 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 123

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 50.7 | 49.8 | 60.2 | |
| 07:15 | 15:00 | 56.0 | 49.5 | 77.0 | |
| 07:30 | 15:00 | 56.3 | 49.5 | 71.6 | |
| 07:45 | 15:00 | 56.0 | 49.9 | 74.9 | |
| 08:00 | 15:00 | 53.5 | 48.7 | 69.7 | |
| 08:15 | 15:00 | 48.7 | 47.2 | 59.5 | |
| 08:30 | 15:00 | 49.0 | 46.8 | 69.1 | |
| 08:45 | 15:00 | 56.4 | 46.2 | 76.1 | |
| 09:00 | 15:00 | 61.8 | 47.7 | 92.1 | Train Noise |
| 09:15 | 15:00 | 50.4 | 48.3 | 62.5 | |
| 09:30 | 15:00 | 49.1 | 47.8 | 56.5 | |
| 09:45 | 15:00 | 56.8 | 48.4 | 74.7 | |
| 10:00 | 15:00 | 67.5 | 47.6 | 90.3 | Train Noise |
| 10:15 | 15:00 | 51.0 | 48.1 | 69.5 | |
| 10:30 | 15:00 | 50.4 | 48.2 | 71.5 | |
| 10:45 | 15:00 | 59.1 | 48.2 | 76.1 | |
| 11:00 | 15:00 | 52.0 | 47.7 | 63.2 | |
| 11:15 | 15:00 | 49.0 | 47.7 | 64.3 | |
| 11:30 | 15:00 | 49.7 | 47.5 | 64.4 | |
| 11:45 | 15:00 | 55.5 | 47.0 | 74.2 | |
| 12:00 | 15:00 | 53.2 | 48.1 | 70.3 | |
| 12:15 | 15:00 | 49.4 | 48.2 | 53.9 | |
| 12:30 | 15:00 | 49.8 | 47.5 | 66.7 | Rain |
| 12:45 | 15:00 | 57.1 | 49.0 | 75.6 | |
| 13:00 | 15:00 | 51.4 | 49.5 | 59.2 | |
| 13:15 | 15:00 | 54.3 | 50.6 | 65.1 | |
| 13:30 | 15:00 | 66.6 | 55.6 | 81.5 | |
| 13:45 | 15:00 | 55.8 | 48.6 | 73.2 | Rain |
| 14:00 | 15:00 | 56.6 | 48.1 | 71.5 | |
| 14:15 | 15:00 | 51.4 | 49.3 | 61.7 | |
| 14:30 | 15:00 | 64.0 | 50.1 | 82.4 | |
| 14:45 | 15:00 | 59.2 | 51.8 | 76.1 | Rain |
| Log Average 0700-1500 | | 58.3 | 49.1 | 54-92 | |
| Average 0700-1500 | | 54.6 | 48.7 | 54-92 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 124

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 50.6 | 49.5 | 58.3 | Rain |
| 15:15 | 15:00 | 50.5 | 49.4 | 57.8 | |
| 15:30 | 15:00 | 51.2 | 50.0 | 60.3 | Rain |
| 15:45 | 15:00 | 52.3 | 49.8 | 63.4 | |
| 16:00 | 15:00 | 50.0 | 48.5 | 59.0 | |
| 16:15 | 15:00 | 51.4 | 50.0 | 61.1 | |
| 16:30 | 15:00 | 51.2 | 49.7 | 63.4 | |
| 16:45 | 15:00 | 50.8 | 49.6 | 58.9 | |
| 17:00 | 15:00 | 51.6 | 49.3 | 57.8 | |
| 17:15 | 15:00 | 50.3 | 49.0 | 55.8 | Rain |
| 17:30 | 15:00 | 49.5 | 48.6 | 61.1 | |
| 17:45 | 15:00 | 50.3 | 49.4 | 58.9 | |
| 18:00 | 15:00 | 49.9 | 48.9 | 60.4 | |
| 18:15 | 15:00 | 49.7 | 48.1 | 58.9 | |
| 18:30 | 15:00 | 54.7 | 52.1 | 62.3 | |
| 18:45 | 15:00 | 53.3 | 51.9 | 58.9 | |
| 19:00 | 15:00 | 52.2 | 47.9 | 59.0 | |
| 19:15 | 15:00 | 50.5 | 49.3 | 57.8 | |
| 19:30 | 15:00 | 50.6 | 48.7 | 59.8 | |
| 19:45 | 15:00 | 50.6 | 49.9 | 56.7 | |
| 20:00 | 15:00 | 51.5 | 50.8 | 58.9 | |
| 20:15 | 15:00 | 50.8 | 48.6 | 62.3 | |
| 20:30 | 15:00 | 50.6 | 50.0 | 58.9 | |
| 20:45 | 15:00 | 50.2 | 49.6 | 57.8 | |
| 21:00 | 15:00 | 51.2 | 50.4 | 59.0 | |
| 21:15 | 15:00 | 49.0 | 48.3 | 58.5 | Rain |
| 21:30 | 15:00 | 49.2 | 48.4 | 57.5 | Rain |
| 21:45 | 15:00 | 51.3 | 50.3 | 60.2 | |
| 22:00 | 15:00 | 51.1 | 50.2 | 57.8 | |
| 22:15 | 15:00 | 51.4 | 50.6 | 59.9 | |
| 22:30 | 15:00 | 50.3 | 49.5 | 57.8 | |
| 22:45 | 15:00 | 50.1 | 49.3 | 56.8 | |
| Log Average 1500-2300 | | 51.0 | 49.6 | 58-63 | |
| Average 1500-2300 | | 50.9 | 49.6 | 58-63 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

TABLE 125

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 48.1 | 47.0 | 50.5 | |
| 23:15 | 15:00 | 49.4 | 48.7 | 51.6 | |
| 23:30 | 15:00 | 50.1 | 49.1 | 52.8 | |
| 23:45 | 15:00 | 50.1 | 49.1 | 53.5 | |
| 00:00 | 15:00 | 48.7 | 47.5 | 57.6 | |
| 00:15 | 15:00 | 48.7 | 47.2 | 51.4 | |
| 00:30 | 15:00 | 49.2 | 48.2 | 51.8 | |
| 00:45 | 15:00 | 49.4 | 48.6 | 51.9 | |
| 01:00 | 15:00 | 49.6 | 49.0 | 58.6 | |
| 01:15 | 15:00 | 48.6 | 47.5 | 49.4 | |
| 01:30 | 15:00 | 48.6 | 47.4 | 51.3 | |
| 01:45 | 15:00 | 48.8 | 47.1 | 51.8 | |
| 02:00 | 15:00 | 48.7 | 47.5 | 53.9 | |
| 02:15 | 15:00 | 48.3 | 47.6 | 54.3 | |
| 02:30 | 15:00 | 48.6 | 47.9 | 59.0 | |
| 02:45 | 15:00 | 48.4 | 47.8 | 52.6 | Rain |
| 03:00 | 15:00 | 48.2 | 47.5 | 51.0 | Rain |
| 03:15 | 15:00 | 48.7 | 47.3 | 51.0 | |
| 03:30 | 15:00 | 48.7 | 47.8 | 49.1 | |
| 03:45 | 15:00 | 48.7 | 47.9 | 49.1 | |
| 04:00 | 15:00 | 49.3 | 48.1 | 52.5 | |
| 04:15 | 15:00 | 48.4 | 47.3 | 56.2 | |
| 04:30 | 15:00 | 49.4 | 48.2 | 56.6 | |
| 04:45 | 15:00 | 49.9 | 47.4 | 56.7 | |
| 05:00 | 15:00 | 50.2 | 48.6 | 57.9 | |
| 05:15 | 15:00 | 48.8 | 47.1 | 53.5 | |
| 05:30 | 15:00 | 49.4 | 48.2 | 56.4 | |
| 05:45 | 15:00 | 51.8 | 50.1 | 57.9 | |
| 06:00 | 15:00 | 50.5 | 49.1 | 55.5 | |
| 06:15 | 15:00 | 49.0 | 48.1 | 53.3 | |
| 06:30 | 15:00 | 49.4 | 48.0 | 56.6 | |
| 06:45 | 15:00 | 49.3 | 46.4 | 60.8 | |
| Log Average 2300-0700 | | 49.2 | 48.0 | 46-58 | |
| Average 2300-0700 | | 49.2 | 47.9 | 46-58 | |
| Average 0700-2300 | | 55.2 | 49.4 | 54-92 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 126

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Cirrus 171A Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 49.5 | 45.0 | 58.5 | |
| 07:15 | 15:00 | 47.7 | 45.6 | 60.7 | |
| 07:30 | 15:00 | 47.9 | 44.6 | 50.8 | |
| 07:45 | 15:00 | 50.1 | 45.8 | 43.9 | |
| 08:00 | 15:00 | 54.3 | 46.2 | 85.2 | |
| 08:15 | 15:00 | 52.3 | 45.5 | 83.4 | |
| 08:30 | 15:00 | 53.4 | 44.9 | 89.1 | |
| 08:45 | 15:00 | 54.5 | 46.1 | 89.1 | |
| 09:00 | 15:00 | 53.4 | 50.3 | 76.8 | |
| 09:15 | 15:00 | 55.2 | 50.4 | 66.5 | |
| 09:30 | 15:00 | 52.1 | 48.0 | 68.9 | |
| 09:45 | 15:00 | 45.0 | 43.0 | 63.4 | |
| 10:00 | 15:00 | 43.9 | 42.7 | 66.5 | |
| 10:15 | 15:00 | 43.4 | 42.2 | 48.1 | |
| 10:30 | 15:00 | 45.1 | 43.4 | 55.9 | |
| 10:45 | 15:00 | 46.2 | 44.8 | 52.6 | |
| 11:00 | 15:00 | 48.0 | 46.5 | 53.3 | |
| 11:15 | 15:00 | 49.8 | 48.2 | 57.3 | |
| 11:30 | 15:00 | 50.3 | 48.7 | 57.5 | |
| 11:45 | 15:00 | 52.0 | 49.6 | 58.6 | |
| 12:00 | 15:00 | 50.7 | 48.8 | 55.9 | Rain |
| 12:15 | 15:00 | 51.6 | 50.0 | 57.2 | |
| 12:30 | 15:00 | 50.8 | 49.0 | 57.6 | Rain |
| 12:45 | 15:00 | 50.1 | 48.1 | 56.8 | |
| 13:00 | 15:00 | 49.4 | 48.4 | 54.3 | |
| 13:15 | 15:00 | 50.2 | 48.5 | 54.6 | |
| 13:30 | 15:00 | 51.9 | 50.7 | 55.5 | |
| 13:45 | 15:00 | 50.5 | 49.0 | 55.9 | |
| 14:00 | 15:00 | 52.1 | 49.1 | 56.7 | Rain |
| 14:15 | 15:00 | 52.9 | 50.4 | 61.6 | |
| 14:30 | 15:00 | 57.8 | 51.0 | 64.7 | |
| 14:45 | 15:00 | 50.3 | 49.2 | 56.6 | |
| Log Average 0700-1500 | | 51.5 | 47.9 | 44-89 | |
| Average 0700-1500 | | 50.4 | 47.3 | 44-89 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 127

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 50.5 | 49.2 | 56.3 | |
| 15:15 | 15:00 | 50.1 | 48.7 | 55.1 | |
| 15:30 | 15:00 | 50.7 | 49.5 | 56.5 | |
| 15:45 | 15:00 | 51.7 | 49.2 | 61.1 | |
| 16:00 | 15:00 | 49.8 | 48.2 | 61.1 | |
| 16:15 | 15:00 | 50.4 | 48.9 | 57.5 | |
| 16:30 | 15:00 | 50.0 | 48.5 | 60.6 | |
| 16:45 | 15:00 | 49.3 | 48.1 | 55.0 | |
| 17:00 | 15:00 | 50.7 | 48.3 | 57.9 | |
| 17:15 | 15:00 | 49.1 | 47.8 | 53.3 | |
| 17:30 | 15:00 | 48.7 | 47.6 | 52.8 | Rain |
| 17:45 | 15:00 | 48.9 | 48.0 | 54.2 | |
| 18:00 | 15:00 | 50.1 | 49.1 | 58.2 | |
| 18:15 | 15:00 | 50.1 | 48.5 | 58.9 | |
| 18:30 | 15:00 | 53.2 | 50.6 | 58.8 | |
| 18:45 | 15:00 | 52.0 | 50.6 | 56.8 | |
| 19:00 | 15:00 | 51.0 | 48.8 | 55.9 | |
| 19:15 | 15:00 | 49.7 | 48.5 | 54.3 | |
| 19:30 | 15:00 | 49.9 | 49.1 | 54.1 | |
| 19:45 | 15:00 | 49.4 | 48.7 | 52.5 | |
| 20:00 | 15:00 | 50.0 | 49.3 | 52.4 | |
| 20:15 | 15:00 | 49.9 | 49.2 | 57.3 | |
| 20:30 | 15:00 | 49.4 | 48.8 | 53.1 | |
| 20:45 | 15:00 | 49.4 | 48.7 | 55.2 | Rain |
| 21:00 | 15:00 | 49.8 | 49.0 | 53.3 | Rain |
| 21:15 | 15:00 | 49.2 | 48.3 | 51.9 | |
| 21:30 | 15:00 | 49.6 | 48.8 | 52.5 | |
| 21:45 | 15:00 | 49.8 | 49.1 | 52.1 | |
| 22:00 | 15:00 | 49.8 | 48.9 | 54.0 | |
| 22:15 | 15:00 | 50.2 | 49.4 | 54.8 | |
| 22:30 | 15:00 | 49.5 | 48.7 | 52.6 | |
| 22:45 | 15:00 | 49.4 | 48.6 | 56.5 | |
| Log Average 1500-2300 | | 50.1 | 48.8 | 52-61 | |
| Average 1500-2300 | | 50.0 | 48.8 | 52-61 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 128

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 49.8 | 48.8 | 53.9 | Rain |
| 23:15 | 15:00 | 50.0 | 49.5 | 54.5 | |
| 23:30 | 15:00 | 49.8 | 49.1 | 52.3 | |
| 23:45 | 15:00 | 49.3 | 48.6 | 53.6 | |
| 00:00 | 15:00 | 49.4 | 48.6 | 54.8 | |
| 00:15 | 15:00 | 49.3 | 48.5 | 55.0 | |
| 00:30 | 15:00 | 50.8 | 48.9 | 57.4 | |
| 00:45 | 15:00 | 49.5 | 48.6 | 58.6 | |
| 01:00 | 15:00 | 49.3 | 48.6 | 55.0 | |
| 01:15 | 15:00 | 49.4 | 48.7 | 53.2 | |
| 01:30 | 15:00 | 49.2 | 48.6 | 52.9 | |
| 01:45 | 15:00 | 49.6 | 48.7 | 54.0 | |
| 02:00 | 15:00 | 49.4 | 48.7 | 54.2 | |
| 02:15 | 15:00 | 49.4 | 48.8 | 52.2 | |
| 02:30 | 15:00 | 50.0 | 48.9 | 54.0 | |
| 02:45 | 15:00 | 49.9 | 48.8 | 54.0 | |
| 03:00 | 15:00 | 49.7 | 48.8 | 53.2 | |
| 03:15 | 15:00 | 49.1 | 48.4 | 52.5 | |
| 03:30 | 15:00 | 49.9 | 48.8 | 54.9 | |
| 03:45 | 15:00 | 50.2 | 49.5 | 53.1 | |
| 04:00 | 15:00 | 50.0 | 49.4 | 53.4 | |
| 04:15 | 15:00 | 50.1 | 49.4 | 55.2 | |
| 04:30 | 15:00 | 50.3 | 49.5 | 53.3 | |
| 04:45 | 15:00 | 50.6 | 49.7 | 54.0 | |
| 05:00 | 15:00 | 50.3 | 49.5 | 54.1 | |
| 05:15 | 15:00 | 50.1 | 49.5 | 54.5 | |
| 05:30 | 15:00 | 49.7 | 49.1 | 53.2 | |
| 05:45 | 15:00 | 49.5 | 48.8 | 54.5 | |
| 06:00 | 15:00 | 49.2 | 48.4 | 53.5 | |
| 06:15 | 15:00 | 48.9 | 47.8 | 53.2 | |
| 06:30 | 15:00 | 48.7 | 47.7 | 57.2 | |
| 06:45 | 15:00 | 50.2 | 47.8 | 58.8 | |
| Log Average 2300-0700 | | 49.7 | 48.8 | 52-59 | |
| Average 2300-0700 | | 49.7 | 48.8 | 52-59 | |
| Average 0700-2300 | | 50.8 | 48.4 | 44-89 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 129

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 49.8 | 48.2 | 59.1 | |
| 07:15 | 15:00 | 49.6 | 48.5 | 54.9 | |
| 07:30 | 15:00 | 49.6 | 48.5 | 53.6 | |
| 07:45 | 15:00 | 48.7 | 47.7 | 53.1 | |
| 08:00 | 15:00 | 49.0 | 48.1 | 54.1 | |
| 08:15 | 15:00 | 50.4 | 48.7 | 56.3 | |
| 08:30 | 15:00 | 51.6 | 49.7 | 57.0 | |
| 08:45 | 15:00 | 51.7 | 50.3 | 58.4 | |
| 09:00 | 15:00 | 51.7 | 50.2 | 58.1 | |
| 09:15 | 15:00 | 50.9 | 49.4 | 61.5 | |
| 09:30 | 15:00 | 52.8 | 50.2 | 65.6 | |
| 09:45 | 15:00 | 49.4 | 48.6 | 52.3 | |
| 10:00 | 15:00 | 48.3 | 47.6 | 51.0 | |
| 10:15 | 15:00 | 49.5 | 48.2 | 55.2 | |
| 10:30 | 15:00 | 49.9 | 49.0 | 56.8 | |
| 10:45 | 15:00 | 51.9 | 50.5 | 56.1 | |
| 11:00 | 15:00 | 51.7 | 49.1 | 60.2 | |
| 11:15 | 15:00 | 50.7 | 49.6 | 61.8 | |
| 11:30 | 15:00 | 50.7 | 50.1 | 53.1 | |
| 11:45 | 15:00 | 51.4 | 50.6 | 54.8 | |
| 12:00 | 15:00 | 51.0 | 50.5 | 53.9 | |
| 12:15 | 15:00 | 51.3 | 50.6 | 54.2 | |
| 12:30 | 15:00 | 51.0 | 50.4 | 57.5 | |
| 12:45 | 15:00 | 51.0 | 50.3 | 57.1 | |
| 13:00 | 15:00 | 50.5 | 49.8 | 53.0 | |
| 13:15 | 15:00 | 51.0 | 50.1 | 53.8 | |
| 13:30 | 15:00 | 51.3 | 50.6 | 53.9 | |
| 13:45 | 15:00 | 51.3 | 50.5 | 54.6 | |
| 14:00 | 15:00 | 50.8 | 50.2 | 54.8 | |
| 14:15 | 15:00 | 51.1 | 50.5 | 53.1 | |
| 14:30 | 15:00 | 51.1 | 50.3 | 53.5 | |
| 14:45 | 15:00 | 51.2 | 50.6 | 54.4 | |
| Log Average 0700-1500 | | 50.7 | 49.7 | 51-66 | |
| Average 0700-1500 | | 50.7 | 49.6 | 51-66 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 130

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 51.2 | 50.5 | 55.4 | |
| 15:15 | 15:00 | 51.1 | 50.4 | 54.5 | |
| 15:30 | 15:00 | 51.4 | 50.7 | 56.2 | |
| 15:45 | 15:00 | 51.7 | 51.1 | 55.2 | |
| 16:00 | 15:00 | 52.5 | 51.3 | 56.4 | |
| 16:15 | 15:00 | 53.2 | 52.1 | 56.9 | |
| 16:30 | 15:00 | 52.8 | 51.6 | 57.3 | |
| 16:45 | 15:00 | 51.9 | 51.0 | 56.7 | |
| 17:00 | 15:00 | 52.2 | 51.3 | 55.0 | |
| 17:15 | 15:00 | 51.5 | 50.7 | 57.6 | |
| 17:30 | 15:00 | 51.6 | 50.8 | 56.2 | |
| 17:45 | 15:00 | 51.7 | 51.1 | 56.5 | |
| 18:00 | 15:00 | 51.5 | 50.8 | 53.7 | |
| 18:15 | 15:00 | 51.4 | 50.6 | 54.6 | |
| 18:30 | 15:00 | 51.2 | 50.6 | 54.9 | |
| 18:45 | 15:00 | 51.2 | 50.6 | 54.9 | |
| 19:00 | 15:00 | 51.0 | 50.2 | 55.2 | |
| 19:15 | 15:00 | 51.0 | 50.2 | 54.8 | |
| 19:30 | 15:00 | 50.6 | 50.0 | 54.0 | |
| 19:45 | 15:00 | 53.7 | 49.8 | 70.0 | |
| 20:00 | 15:00 | 53.7 | 52.2 | 68.5 | |
| 20:15 | 15:00 | 52.9 | 51.7 | 59.9 | |
| 20:30 | 15:00 | 52.7 | 51.6 | 61.1 | |
| 20:45 | 15:00 | 55.1 | 52.2 | 68.0 | |
| 21:00 | 15:00 | 55.2 | 51.9 | 69.5 | |
| 21:15 | 15:00 | 54.2 | 52.0 | 61.5 | |
| 21:30 | 15:00 | 52.9 | 51.3 | 65.8 | |
| 21:45 | 15:00 | 52.6 | 50.8 | 64.9 | |
| 22:00 | 15:00 | 52.8 | 50.7 | 66.2 | |
| 22:15 | 15:00 | 53.9 | 51.2 | 68.8 | |
| 22:30 | 15:00 | 52.0 | 50.9 | 59.5 | |
| 22:45 | 15:00 | 51.0 | 50.3 | 56.4 | |
| Log Average 1500-2300 | | 52.4 | 51.0 | 54-70 | |
| Average 1500-2300 | | 52.3 | 51.0 | 54-70 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

TABLE 131

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 51.4 | 50.5 | 56.5 | |
| 23:15 | 15:00 | 50.8 | 50.2 | 56.9 | |
| 23:30 | 15:00 | 50.9 | 50.2 | 55.9 | |
| 23:45 | 15:00 | 50.7 | 50.1 | 54.8 | |
| 00:00 | 15:00 | 51.2 | 50.4 | 57.3 | Rain |
| 00:15 | 15:00 | 51.1 | 50.5 | 56.6 | Rain |
| 00:30 | 15:00 | 51.2 | 50.2 | 60.2 | |
| 00:45 | 15:00 | 51.3 | 50.3 | 60.2 | Rain |
| 01:00 | 15:00 | 52.3 | 51.1 | 58.0 | |
| 01:15 | 15:00 | 56.0 | 50.8 | 89.2 | |
| 01:30 | 15:00 | 52.0 | 50.9 | 58.4 | |
| 01:45 | 15:00 | 52.0 | 51.0 | 60.0 | |
| 02:00 | 15:00 | 51.9 | 50.6 | 57.7 | |
| 02:15 | 15:00 | 51.9 | 50.9 | 57.2 | |
| 02:30 | 15:00 | 51.9 | 51.0 | 58.5 | |
| 02:45 | 15:00 | 51.6 | 50.6 | 58.1 | |
| 03:00 | 15:00 | 52.3 | 50.4 | 64.9 | Rain |
| 03:15 | 15:00 | 53.0 | 50.6 | 65.2 | Rain |
| 03:30 | 15:00 | 52.4 | 50.9 | 64.5 | Rain |
| 03:45 | 15:00 | 52.4 | 51.2 | 60.5 | Rain |
| 04:00 | 15:00 | 51.7 | 50.5 | 61.5 | Rain |
| 04:15 | 15:00 | 51.0 | 50.0 | 57.7 | Rain |
| 04:30 | 15:00 | 52.2 | 50.4 | 68.9 | Rain |
| 04:45 | 15:00 | 52.6 | 51.1 | 62.5 | Rain |
| 05:00 | 15:00 | 52.6 | 51.0 | 62.9 | |
| 05:15 | 15:00 | 53.5 | 51.3 | 60.2 | |
| 05:30 | 15:00 | 53.0 | 51.4 | 63.1 | Rain |
| 05:45 | 15:00 | 52.7 | 50.8 | 60.2 | |
| 06:00 | 15:00 | 53.1 | 51.1 | 61.4 | |
| 06:15 | 15:00 | 53.3 | 50.6 | 66.3 | |
| 06:30 | 15:00 | 52.6 | 50.8 | 59.8 | |
| 06:45 | 15:00 | 51.7 | 50.8 | 59.1 | Rain |
| Log Average 2300-0700 | | 52.2 | 50.7 | 55-89 | |
| Average 2300-0700 | | 52.1 | 50.7 | 55-89 | |
| Average 0700-2300 | | 51.8 | 50.8 | 51-70 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 132

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 52.1 | 51.1 | 63.8 | |
| 07:15 | 15:00 | 52.9 | 51.3 | 62.9 | |
| 07:30 | 15:00 | 52.3 | 50.9 | 65.4 | |
| 07:45 | 15:00 | 53.3 | 50.9 | 70.0 | |
| 08:00 | 15:00 | 52.8 | 51.3 | 63.3 | |
| 08:15 | 15:00 | 52.6 | 51.2 | 61.9 | |
| 08:30 | 15:00 | 54.0 | 51.5 | 63.5 | |
| 08:45 | 15:00 | 52.5 | 51.4 | 62.7 | |
| 09:00 | 15:00 | 53.5 | 51.9 | 62.3 | |
| 09:15 | 15:00 | 54.8 | 52.8 | 66.0 | |
| 09:30 | 15:00 | 56.6 | 53.1 | 68.6 | |
| 09:45 | 15:00 | 54.6 | 52.6 | 65.6 | |
| 10:00 | 15:00 | 53.8 | 52.5 | 61.3 | |
| 10:15 | 15:00 | 53.8 | 52.4 | 64.0 | |
| 10:30 | 15:00 | 53.7 | 52.5 | 60.0 | |
| 10:45 | 15:00 | 53.9 | 52.6 | 61.3 | |
| 11:00 | 15:00 | 53.2 | 51.7 | 62.3 | |
| 11:15 | 15:00 | 51.4 | 50.1 | 60.5 | |
| 11:30 | 15:00 | 52.3 | 49.8 | 66.9 | |
| 11:45 | 15:00 | 51.5 | 49.9 | 69.9 | |
| 12:00 | 15:00 | 52.1 | 50.5 | 69.7 | |
| 12:15 | 15:00 | 53.0 | 50.7 | 65.7 | |
| 12:30 | 15:00 | 53.7 | 52.3 | 67.0 | |
| 12:45 | 15:00 | 54.8 | 53.1 | 67.8 | |
| 13:00 | 15:00 | 54.7 | 53.0 | 67.5 | |
| 13:15 | 15:00 | 54.7 | 53.1 | 68.7 | |
| 13:30 | 15:00 | 55.0 | 53.6 | 63.0 | |
| 13:45 | 15:00 | 56.7 | 54.6 | 70.3 | |
| 14:00 | 15:00 | 55.8 | 54.2 | 65.3 | |
| 14:15 | 15:00 | 55.2 | 54.1 | 69.3 | |
| 14:30 | 15:00 | 56.2 | 54.9 | 64.7 | |
| 14:45 | 15:00 | 56.1 | 54.6 | 67.5 | |
| Log Average 0700-1500 | | 54.1 | 52.4 | 60-70 | |
| Average 0700-1500 | | 53.9 | 52.2 | 60-70 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 133

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 56.8 | 54.9 | 66.4 | |
| 15:15 | 15:00 | 56.1 | 54.4 | 71.4 | |
| 15:30 | 15:00 | 56.1 | 54.4 | 67.1 | |
| 15:45 | 15:00 | 57.7 | 55.0 | 72.0 | |
| 16:00 | 15:00 | 55.5 | 53.6 | 64.9 | |
| 16:15 | 15:00 | 55.8 | 54.0 | 69.3 | |
| 16:30 | 15:00 | 54.4 | 52.8 | 66.5 | |
| 16:45 | 15:00 | 54.6 | 52.8 | 67.6 | |
| 17:00 | 15:00 | 54.4 | 52.6 | 65.4 | |
| 17:15 | 15:00 | 53.5 | 51.7 | 67.0 | |
| 17:30 | 15:00 | 53.0 | 51.8 | 59.3 | |
| 17:45 | 15:00 | 53.4 | 51.9 | 62.3 | |
| 18:00 | 15:00 | 53.8 | 52.6 | 59.7 | |
| 18:15 | 15:00 | 53.0 | 51.8 | 59.7 | |
| 18:30 | 15:00 | 53.7 | 52.2 | 58.9 | |
| 18:45 | 15:00 | 53.8 | 51.6 | 66.9 | |
| 19:00 | 15:00 | 57.0 | 54.6 | 66.3 | |
| 19:15 | 15:00 | 54.9 | 53.5 | 64.7 | |
| 19:30 | 15:00 | 56.2 | 54.1 | 68.6 | |
| 19:45 | 15:00 | 56.0 | 53.6 | 62.6 | |
| 20:00 | 15:00 | 55.7 | 53.7 | 65.6 | |
| 20:15 | 15:00 | 56.3 | 54.4 | 65.0 | |
| 20:30 | 15:00 | 54.9 | 53.6 | 66.7 | |
| 20:45 | 15:00 | 55.4 | 53.8 | 65.7 | |
| 21:00 | 15:00 | 55.5 | 53.9 | 66.6 | |
| 21:15 | 15:00 | 55.6 | 54.4 | 64.0 | |
| 21:30 | 15:00 | 56.5 | 55.0 | 64.6 | |
| 21:45 | 15:00 | 56.5 | 55.1 | 67.1 | |
| 22:00 | 15:00 | 56.3 | 54.8 | 66.9 | |
| 22:15 | 15:00 | 55.9 | 54.7 | 62.9 | |
| 22:30 | 15:00 | 56.2 | 55.1 | 64.3 | |
| 22:45 | 15:00 | 56.5 | 54.8 | 63.9 | |
| Log Average 1500-2300 | | 55.5 | 53.8 | 59-72 | |
| Average 1500-2300 | | 55.3 | 53.7 | 59-72 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 134

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 56.7 | 54.9 | 62.9 | |
| 23:15 | 15:00 | 55.7 | 54.4 | 65.7 | |
| 23:30 | 15:00 | 55.6 | 54.3 | 63.0 | |
| 23:45 | 15:00 | 55.6 | 54.2 | 64.7 | |
| 00:00 | 15:00 | 56.5 | 54.7 | 69.0 | |
| 00:15 | 15:00 | 56.6 | 55.1 | 67.3 | |
| 00:30 | 15:00 | 56.5 | 54.8 | 67.4 | |
| 00:45 | 15:00 | 56.2 | 55.0 | 63.3 | |
| 01:00 | 15:00 | 55.9 | 54.7 | 64.1 | |
| 01:15 | 15:00 | 56.7 | 55.1 | 66.5 | |
| 01:30 | 15:00 | 56.5 | 55.1 | 69.7 | |
| 01:45 | 15:00 | 56.3 | 54.9 | 66.4 | |
| 02:00 | 15:00 | 56.9 | 55.4 | 66.8 | |
| 02:15 | 15:00 | 56.3 | 55.0 | 63.5 | |
| 02:30 | 15:00 | 56.2 | 54.9 | 63.5 | |
| 02:45 | 15:00 | 56.0 | 54.7 | 64.3 | |
| 03:00 | 15:00 | 56.1 | 54.9 | 65.1 | |
| 03:15 | 15:00 | 56.0 | 54.6 | 67.3 | |
| 03:30 | 15:00 | 56.0 | 54.7 | 63.6 | |
| 03:45 | 15:00 | 55.9 | 54.7 | 65.9 | |
| 04:00 | 15:00 | 55.8 | 54.6 | 63.6 | |
| 04:15 | 15:00 | 55.2 | 53.8 | 61.2 | |
| 04:30 | 15:00 | 55.1 | 53.9 | 62.6 | |
| 04:45 | 15:00 | 56.1 | 54.1 | 69.6 | |
| 05:00 | 15:00 | 55.0 | 53.5 | 63.8 | |
| 05:15 | 15:00 | 55.4 | 53.6 | 65.7 | |
| 05:30 | 15:00 | 54.9 | 53.5 | 62.3 | |
| 05:45 | 15:00 | 55.7 | 54.1 | 63.6 | |
| 06:00 | 15:00 | 55.9 | 54.0 | 64.0 | |
| 06:15 | 15:00 | 55.2 | 53.9 | 62.4 | |
| 06:30 | 15:00 | 55.0 | 53.6 | 63.0 | |
| 06:45 | 15:00 | 54.9 | 53.5 | 64.0 | |
| Log Average 2300-0700 | | 55.9 | 54.4 | 61-70 | |
| Average 2300-0700 | | 55.9 | 54.4 | 61-70 | |
| Average 0700-2300 | | 54.8 | 53.1 | 59-72 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 135

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 55.4 | 53.8 | 63.5 | |
| 07:15 | 15:00 | 54.8 | 53.7 | 61.8 | |
| 07:30 | 15:00 | 56.6 | 54.6 | 63.5 | |
| 07:45 | 15:00 | 55.9 | 54.3 | 63.6 | |
| 08:00 | 15:00 | 55.0 | 53.8 | 61.0 | |
| 08:15 | 15:00 | 55.6 | 54.1 | 65.8 | |
| 08:30 | 15:00 | 55.5 | 54.2 | 63.0 | |
| 08:45 | 15:00 | 55.5 | 54.0 | 61.6 | |
| 09:00 | 15:00 | 55.1 | 54.0 | 61.8 | |
| 09:15 | 15:00 | 55.4 | 54.2 | 63.3 | |
| 09:30 | 15:00 | 55.7 | 54.2 | 68.9 | |
| 09:45 | 15:00 | 55.9 | 54.4 | 64.5 | |
| 10:00 | 15:00 | 56.1 | 54.5 | 66.8 | |
| 10:15 | 15:00 | 56.4 | 54.4 | 66.6 | |
| 10:30 | 15:00 | 55.3 | 53.8 | 69.7 | |
| 10:45 | 15:00 | 55.6 | 54.1 | 69.8 | |
| 11:00 | 15:00 | 55.5 | 53.9 | 64.6 | |
| 11:15 | 15:00 | 55.7 | 54.1 | 63.0 | |
| 11:30 | 15:00 | 55.1 | 53.9 | 66.2 | |
| 11:45 | 15:00 | 55.2 | 53.8 | 64.1 | |
| 12:00 | 15:00 | 55.5 | 54.2 | 63.0 | |
| 12:15 | 15:00 | 55.7 | 54.0 | 65.8 | |
| 12:30 | 15:00 | 55.6 | 54.1 | 67.7 | |
| 12:45 | 15:00 | 55.3 | 53.7 | 63.8 | |
| 13:00 | 15:00 | 55.0 | 53.7 | 65.8 | |
| 13:15 | 15:00 | 54.9 | 53.8 | 62.3 | |
| 13:30 | 15:00 | 55.3 | 53.7 | 65.3 | |
| 13:45 | 15:00 | 57.2 | 55.3 | 65.8 | |
| 14:00 | 15:00 | 57.0 | 55.2 | 64.8 | |
| 14:15 | 15:00 | 55.8 | 54.4 | 65.2 | |
| 14:30 | 15:00 | 55.6 | 54.4 | 64.0 | |
| 14:45 | 15:00 | 55.3 | 54.1 | 64.2 | |
| Log Average 0700-1500 | | 55.6 | 54.1 | 61-70 | |
| Average 0700-1500 | | 55.6 | 54.1 | 61-70 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 136

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 55.1 | 53.9 | 63.6 | |
| 15:15 | 15:00 | 54.5 | 53.2 | 61.4 | |
| 15:30 | 15:00 | 54.5 | 53.3 | 69.2 | |
| 15:45 | 15:00 | 54.1 | 52.7 | 62.3 | |
| 16:00 | 15:00 | 54.5 | 53.2 | 61.3 | |
| 16:15 | 15:00 | 55.7 | 53.6 | 65.3 | |
| 16:30 | 15:00 | 54.4 | 53.2 | 64.3 | |
| 16:45 | 15:00 | 54.8 | 53.4 | 60.9 | |
| 17:00 | 15:00 | 54.3 | 53.2 | 63.3 | |
| 17:15 | 15:00 | 54.6 | 53.2 | 61.2 | |
| 17:30 | 15:00 | 54.3 | 53.2 | 61.3 | |
| 17:45 | 15:00 | 55.3 | 53.9 | 63.8 | |
| 18:00 | 15:00 | 54.5 | 53.2 | 60.7 | |
| 18:15 | 15:00 | 53.8 | 52.7 | 64.8 | |
| 18:30 | 15:00 | 54.2 | 53.0 | 60.8 | |
| 18:45 | 15:00 | 53.7 | 52.5 | 61.4 | |
| 19:00 | 15:00 | 54.2 | 53.0 | 61.5 | |
| 19:15 | 15:00 | 54.8 | 53.2 | 62.9 | |
| 19:30 | 15:00 | 55.1 | 53.7 | 64.7 | |
| 19:45 | 15:00 | 55.1 | 53.7 | 61.1 | |
| 20:00 | 15:00 | 55.8 | 54.2 | 66.7 | |
| 20:15 | 15:00 | 54.7 | 53.3 | 64.1 | |
| 20:30 | 15:00 | 55.2 | 53.3 | 65.4 | |
| 20:45 | 15:00 | 55.1 | 53.5 | 63.3 | |
| 21:00 | 15:00 | 54.3 | 53.1 | 64.2 | |
| 21:15 | 15:00 | 54.7 | 53.5 | 63.1 | |
| 21:30 | 15:00 | 54.8 | 53.4 | 62.2 | |
| 21:45 | 15:00 | 54.2 | 52.6 | 63.5 | |
| 22:00 | 15:00 | 53.7 | 52.4 | 60.7 | |
| 22:15 | 15:00 | 55.0 | 53.3 | 62.4 | |
| 22:30 | 15:00 | 53.8 | 52.6 | 63.2 | |
| 22:45 | 15:00 | 55.5 | 53.7 | 64.1 | |
| Log Average 1500-2300 | | 54.6 | 53.2 | 61-69 | |
| Average 1500-2300 | | 54.6 | 53.2 | 61-69 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 137

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 54.1 | 53.1 | 60.9 | |
| 23:15 | 15:00 | 54.3 | 53.1 | 61.1 | |
| 23:30 | 15:00 | 54.2 | 53.1 | 61.4 | |
| 23:45 | 15:00 | 54.0 | 52.9 | 63.5 | |
| 00:00 | 15:00 | 54.0 | 52.7 | 61.1 | |
| 00:15 | 15:00 | 54.1 | 53.0 | 64.2 | |
| 00:30 | 15:00 | 53.8 | 52.6 | 61.5 | |
| 00:45 | 15:00 | 54.4 | 53.1 | 61.8 | |
| 01:00 | 15:00 | 55.3 | 53.6 | 62.7 | |
| 01:15 | 15:00 | 54.3 | 53.0 | 66.4 | |
| 01:30 | 15:00 | 54.0 | 52.7 | 65.1 | |
| 01:45 | 15:00 | 54.0 | 52.8 | 60.9 | |
| 02:00 | 15:00 | 54.7 | 53.2 | 61.8 | |
| 02:15 | 15:00 | 54.2 | 52.9 | 66.0 | |
| 02:30 | 15:00 | 54.4 | 52.6 | 66.1 | |
| 02:45 | 15:00 | 54.1 | 52.8 | 62.4 | |
| 03:00 | 15:00 | 53.9 | 52.5 | 65.8 | |
| 03:15 | 15:00 | 53.8 | 52.6 | 62.8 | |
| 03:30 | 15:00 | 54.3 | 52.6 | 65.7 | |
| 03:45 | 15:00 | 54.4 | 52.5 | 64.4 | |
| 04:00 | 15:00 | 54.1 | 52.6 | 67.8 | |
| 04:15 | 15:00 | 54.3 | 53.0 | 65.9 | |
| 04:30 | 15:00 | 54.6 | 52.7 | 68.3 | |
| 04:45 | 15:00 | 54.6 | 52.8 | 64.0 | |
| 05:00 | 15:00 | 54.2 | 52.5 | 67.3 | |
| 05:15 | 15:00 | 55.1 | 52.7 | 65.9 | |
| 05:30 | 15:00 | 54.5 | 53.1 | 68.6 | |
| 05:45 | 15:00 | 53.8 | 52.6 | 64.5 | |
| 06:00 | 15:00 | 54.1 | 52.7 | 69.1 | |
| 06:15 | 15:00 | 54.6 | 53.3 | 63.1 | |
| 06:30 | 15:00 | 55.0 | 53.6 | 68.6 | |
| 06:45 | 15:00 | 55.3 | 53.8 | 63.9 | |
| Log Average 2300-0700 | | 54.3 | 52.9 | 61-69 | |
| Average 2300-0700 | | 54.3 | 52.9 | 61-69 | |
| Average 0700-2300 | | 55.1 | 53.7 | 61-70 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 138

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 55.7 | 53.8 | 66.4 | |
| 07:15 | 15:00 | 55.8 | 54.2 | 65.2 | |
| 07:30 | 15:00 | 55.8 | 54.2 | 62.4 | |
| 07:45 | 15:00 | 56.5 | 54.7 | 64.1 | |
| 08:00 | 15:00 | 55.8 | 54.3 | 63.7 | |
| 08:15 | 15:00 | 54.7 | 53.5 | 63.1 | |
| 08:30 | 15:00 | 55.2 | 53.8 | 64.9 | |
| 08:45 | 15:00 | 55.5 | 54.2 | 64.9 | |
| 09:00 | 15:00 | 55.5 | 54.1 | 64.3 | |
| 09:15 | 15:00 | 56.5 | 54.8 | 64.9 | |
| 09:30 | 15:00 | 56.9 | 55.3 | 66.1 | |
| 09:45 | 15:00 | 58.1 | 55.4 | 66.8 | |
| 10:00 | 15:00 | 56.6 | 55.2 | 65.5 | |
| 10:15 | 15:00 | 57.0 | 55.3 | 67.5 | |
| 10:30 | 15:00 | 57.0 | 55.3 | 67.1 | |
| 10:45 | 15:00 | 56.6 | 55.0 | 68.2 | |
| 11:00 | 15:00 | 56.8 | 55.1 | 69.6 | |
| 11:15 | 15:00 | 56.7 | 55.0 | 66.6 | |
| 11:30 | 15:00 | 56.0 | 54.5 | 64.4 | |
| 11:45 | 15:00 | 55.8 | 54.2 | 64.5 | |
| 12:00 | 15:00 | 56.5 | 54.9 | 66.2 | |
| 12:15 | 15:00 | 56.4 | 54.7 | 67.0 | |
| 12:30 | 15:00 | 56.4 | 54.5 | 65.8 | |
| 12:45 | 15:00 | 56.6 | 54.7 | 67.5 | |
| 13:00 | 15:00 | 56.4 | 54.6 | 65.2 | |
| 13:15 | 15:00 | 56.5 | 54.9 | 67.0 | |
| 13:30 | 15:00 | 57.1 | 55.2 | 66.0 | |
| 13:45 | 15:00 | 56.6 | 54.9 | 71.6 | |
| 14:00 | 15:00 | 56.2 | 54.6 | 67.4 | |
| 14:15 | 15:00 | 56.2 | 54.7 | 66.3 | |
| 14:30 | 15:00 | 56.8 | 54.9 | 66.5 | |
| 14:45 | 15:00 | 56.4 | 54.7 | 68.3 | |
| Log Average 0700-1500 | | 56.3 | 54.6 | 62-72 | |
| Average 0700-1500 | | 56.3 | 54.7 | 62-72 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 139

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 56.8 | 55.1 | 66.5 | |
| 15:15 | 15:00 | 56.2 | 54.5 | 65.0 | |
| 15:30 | 15:00 | 56.3 | 54.7 | 66.2 | |
| 15:45 | 15:00 | 55.8 | 54.3 | 65.1 | |
| 16:00 | 15:00 | 56.2 | 54.6 | 65.8 | |
| 16:15 | 15:00 | 56.1 | 54.5 | 64.8 | |
| 16:30 | 15:00 | 56.3 | 54.6 | 64.9 | |
| 16:45 | 15:00 | 55.7 | 54.1 | 67.3 | |
| 17:00 | 15:00 | 56.2 | 54.5 | 66.5 | |
| 17:15 | 15:00 | 56.5 | 55.1 | 64.6 | |
| 17:30 | 15:00 | 56.5 | 54.9 | 65.4 | |
| 17:45 | 15:00 | 55.8 | 54.2 | 65.0 | |
| 18:00 | 15:00 | 55.7 | 53.8 | 67.0 | |
| 18:15 | 15:00 | 54.8 | 53.4 | 62.2 | |
| 18:30 | 15:00 | 54.9 | 53.5 | 62.9 | |
| 18:45 | 15:00 | 54.3 | 52.9 | 65.2 | |
| 19:00 | 15:00 | 54.3 | 52.7 | 64.3 | |
| 19:15 | 15:00 | 54.8 | 53.3 | 65.8 | |
| 19:30 | 15:00 | 55.0 | 53.6 | 64.9 | |
| 19:45 | 15:00 | 55.5 | 53.5 | 64.2 | |
| 20:00 | 15:00 | 55.2 | 53.6 | 62.7 | |
| 20:15 | 15:00 | 54.7 | 53.3 | 68.1 | |
| 20:30 | 15:00 | 54.7 | 53.5 | 67.3 | |
| 20:45 | 15:00 | 54.5 | 53.2 | 66.5 | |
| 21:00 | 15:00 | 55.0 | 53.6 | 63.6 | |
| 21:15 | 15:00 | 55.1 | 53.7 | 63.9 | |
| 21:30 | 15:00 | 55.1 | 53.7 | 63.8 | |
| 21:45 | 15:00 | 55.3 | 53.9 | 64.4 | |
| 22:00 | 15:00 | 55.5 | 53.9 | 62.8 | |
| 22:15 | 15:00 | 55.8 | 54.2 | 63.5 | |
| 22:30 | 15:00 | 55.5 | 53.9 | 64.7 | |
| 22:45 | 15:00 | 56.0 | 54.1 | 62.6 | |
| Log Average 1500-2300 | | 55.5 | 53.9 | 62-68 | |
| Average 1500-2300 | | 55.5 | 54.0 | 62-68 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 140

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 56.1 | 54.1 | 66.5 | |
| 23:15 | 15:00 | 55.8 | 54.1 | 66.3 | |
| 23:30 | 15:00 | 55.6 | 54.1 | 65.1 | |
| 23:45 | 15:00 | 55.1 | 53.7 | 64.1 | |
| 00:00 | 15:00 | 55.2 | 53.8 | 67.7 | |
| 00:15 | 15:00 | 55.5 | 53.8 | 66.4 | |
| 00:30 | 15:00 | 55.1 | 53.5 | 65.3 | |
| 00:45 | 15:00 | 55.0 | 53.1 | 64.9 | |
| 01:00 | 15:00 | 55.3 | 53.2 | 67.3 | |
| 01:15 | 15:00 | 54.8 | 53.1 | 63.2 | |
| 01:30 | 15:00 | 56.1 | 53.6 | 66.8 | |
| 01:45 | 15:00 | 55.5 | 53.2 | 64.3 | |
| 02:00 | 15:00 | 53.9 | 52.6 | 64.0 | |
| 02:15 | 15:00 | 53.6 | 52.1 | 64.3 | |
| 02:30 | 15:00 | 53.6 | 52.1 | 64.4 | |
| 02:45 | 15:00 | 53.1 | 51.6 | 64.2 | |
| 03:00 | 15:00 | 52.7 | 51.4 | 63.9 | |
| 03:15 | 15:00 | 52.9 | 51.6 | 62.8 | |
| 03:30 | 15:00 | 52.2 | 51.1 | 60.3 | |
| 03:45 | 15:00 | 51.9 | 50.9 | 62.4 | |
| 04:00 | 15:00 | 52.3 | 51.1 | 60.7 | |
| 04:15 | 15:00 | 52.2 | 51.0 | 65.4 | |
| 04:30 | 15:00 | 52.4 | 51.1 | 60.6 | |
| 04:45 | 15:00 | 52.1 | 50.9 | 60.0 | |
| 05:00 | 15:00 | 53.1 | 51.6 | 63.2 | |
| 05:15 | 15:00 | 52.6 | 51.0 | 62.6 | |
| 05:30 | 15:00 | 51.8 | 50.7 | 56.9 | |
| 05:45 | 15:00 | 51.8 | 50.7 | 57.2 | |
| 06:00 | 15:00 | 51.8 | 50.6 | 59.7 | |
| 06:15 | 15:00 | 51.8 | 50.7 | 59.6 | |
| 06:30 | 15:00 | 52.0 | 50.9 | 58.5 | |
| 06:45 | 15:00 | 51.6 | 50.5 | 60.3 | |
| Log Average 2300-0700 | | 53.8 | 52.2 | 57-68 | |
| Average 2300-0700 | | 53.6 | 52.1 | 57-68 | |
| Average 0700-2300 | | 55.9 | 54.3 | 62-72 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 141

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 51.7 | 50.5 | 59.3 | |
| 07:15 | 15:00 | 52.1 | 50.8 | 58.8 | |
| 07:30 | 15:00 | 52.2 | 51.0 | 61.1 | |
| 07:45 | 15:00 | 52.5 | 51.4 | 59.9 | |
| 08:00 | 15:00 | 52.7 | 51.5 | 61.1 | |
| 08:15 | 15:00 | 53.1 | 51.9 | 61.4 | |
| 08:30 | 15:00 | 53.5 | 52.3 | 58.3 | |
| 08:45 | 15:00 | 54.1 | 52.7 | 59.3 | |
| 09:00 | 15:00 | 54.3 | 53.0 | 58.7 | |
| 09:15 | 15:00 | 53.4 | 52.3 | 58.1 | |
| 09:30 | 15:00 | 53.2 | 52.1 | 63.1 | |
| 09:45 | 15:00 | 53.2 | 52.1 | 58.2 | |
| 10:00 | 15:00 | 53.4 | 52.1 | 60.6 | |
| 10:15 | 15:00 | 52.9 | 51.7 | 66.5 | |
| 10:30 | 15:00 | 52.9 | 51.6 | 63.6 | |
| 10:45 | 15:00 | 53.1 | 51.8 | 63.3 | |
| 11:00 | 15:00 | 53.3 | 52.1 | 61.9 | |
| 11:15 | 15:00 | 53.2 | 51.9 | 63.5 | |
| 11:30 | 15:00 | 52.9 | 51.6 | 62.4 | |
| 11:45 | 15:00 | 52.6 | 51.5 | 64.4 | |
| 12:00 | 15:00 | 53.5 | 51.9 | 61.8 | |
| 12:15 | 15:00 | 53.5 | 51.7 | 65.2 | |
| 12:30 | 15:00 | 52.3 | 51.1 | 65.2 | |
| 12:45 | 15:00 | 52.2 | 51.1 | 59.1 | |
| 13:00 | 15:00 | 52.0 | 50.8 | 59.9 | |
| 13:15 | 15:00 | 52.0 | 50.8 | 60.3 | |
| 13:30 | 15:00 | 52.2 | 51.0 | 61.0 | |
| 13:45 | 15:00 | 51.7 | 50.7 | 59.1 | |
| 14:00 | 15:00 | 51.1 | 50.2 | 60.6 | |
| 14:15 | 15:00 | 51.7 | 50.7 | 61.9 | |
| 14:30 | 15:00 | 51.2 | 50.3 | 60.5 | |
| 14:45 | 15:00 | 51.0 | 50.1 | 56.9 | |
| Log Average 0700-1500 | | 52.7 | 51.5 | 57-67 | |
| Average 0700-1500 | | 52.6 | 51.4 | 57-67 | |

Noise Survey Results

Date: Monday 2nd August 2021

TABLE 142

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 51.2 | 50.1 | 59.0 | |
| 15:15 | 15:00 | 50.9 | 50.0 | 58.3 | |
| 15:30 | 15:00 | 50.8 | 49.8 | 58.4 | |
| 15:45 | 15:00 | 50.8 | 49.8 | 57.4 | |
| 16:00 | 15:00 | 51.1 | 50.1 | 56.4 | |
| 16:15 | 15:00 | 50.9 | 49.9 | 61.0 | |
| 16:30 | 15:00 | 51.1 | 50.1 | 56.6 | |
| 16:45 | 15:00 | 51.0 | 50.1 | 57.9 | |
| 17:00 | 15:00 | 51.1 | 50.1 | 58.3 | |
| 17:15 | 15:00 | 50.7 | 49.7 | 56.7 | |
| 17:30 | 15:00 | 50.7 | 49.7 | 63.6 | |
| 17:45 | 15:00 | 50.7 | 49.7 | 58.2 | |
| 18:00 | 15:00 | 50.6 | 49.6 | 58.5 | |
| 18:15 | 15:00 | 50.7 | 49.7 | 57.1 | |
| 18:30 | 15:00 | 50.1 | 49.1 | 57.3 | |
| 18:45 | 15:00 | 50.5 | 49.5 | 56.7 | |
| 19:00 | 15:00 | 50.2 | 49.2 | 58.1 | |
| 19:15 | 15:00 | 50.1 | 49.1 | 55.8 | |
| 19:30 | 15:00 | 49.8 | 48.8 | 58.6 | |
| 19:45 | 15:00 | 49.2 | 48.4 | 55.3 | |
| 20:00 | 15:00 | 49.2 | 48.3 | 54.5 | |
| 20:15 | 15:00 | 49.2 | 48.4 | 54.8 | |
| 20:30 | 15:00 | 49.2 | 48.5 | 54.5 | |
| 20:45 | 15:00 | 49.2 | 48.5 | 57.1 | |
| 21:00 | 15:00 | 49.3 | 48.5 | 55.9 | |
| 21:15 | 15:00 | 49.3 | 48.3 | 60.9 | |
| 21:30 | 15:00 | 49.4 | 48.5 | 58.8 | |
| 21:45 | 15:00 | 49.0 | 48.3 | 55.6 | |
| 22:00 | 15:00 | 49.1 | 48.1 | 57.3 | |
| 22:15 | 15:00 | 48.9 | 48.0 | 56.1 | |
| 22:30 | 15:00 | 49.1 | 48.0 | 58.1 | |
| 22:45 | 15:00 | 49.0 | 48.0 | 56.2 | |
| Log Average 1500-2300 | | 50.1 | 49.1 | 55-64 | |
| Average 1500-2300 | | 50.1 | 49.1 | 55-64 | |

Noise Survey Results

Date: Monday 2nd - Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

TABLE 143

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 49.1 | 48.1 | 57.8 | |
| 23:15 | 15:00 | 49.2 | 48.1 | 57.0 | |
| 23:30 | 15:00 | 48.8 | 47.9 | 56.3 | |
| 23:45 | 15:00 | 49.1 | 48.2 | 55.4 | |
| 00:00 | 15:00 | 49.4 | 48.5 | 58.5 | |
| 00:15 | 15:00 | 49.9 | 48.7 | 55.6 | |
| 00:30 | 15:00 | 49.8 | 48.7 | 55.7 | |
| 00:45 | 15:00 | 49.3 | 48.3 | 59.3 | |
| 01:00 | 15:00 | 49.2 | 48.3 | 61.4 | |
| 01:15 | 15:00 | 49.1 | 48.2 | 57.1 | |
| 01:30 | 15:00 | 48.7 | 47.8 | 61.1 | |
| 01:45 | 15:00 | 49.3 | 47.9 | 56.6 | |
| 02:00 | 15:00 | 49.1 | 47.8 | 56.8 | |
| 02:15 | 15:00 | 48.9 | 47.7 | 60.7 | |
| 02:30 | 15:00 | 49.2 | 48.0 | 55.2 | |
| 02:45 | 15:00 | 49.5 | 47.9 | 59.1 | |
| 03:00 | 15:00 | 48.2 | 47.4 | 53.2 | |
| 03:15 | 15:00 | 48.4 | 47.6 | 55.2 | |
| 03:30 | 15:00 | 48.7 | 47.5 | 57.5 | |
| 03:45 | 15:00 | 49.3 | 48.2 | 58.0 | |
| 04:00 | 15:00 | 49.4 | 48.2 | 56.9 | |
| 04:15 | 15:00 | 50.3 | 48.9 | 61.5 | |
| 04:30 | 15:00 | 50.3 | 49.1 | 58.9 | |
| 04:45 | 15:00 | 50.3 | 49.1 | 60.9 | |
| 05:00 | 15:00 | 50.2 | 49.0 | 59.3 | |
| 05:15 | 15:00 | 50.2 | 49.2 | 57.8 | |
| 05:30 | 15:00 | 50.1 | 49.1 | 63.4 | |
| 05:45 | 15:00 | 50.5 | 49.1 | 61.0 | |
| 06:00 | 15:00 | 50.5 | 49.1 | 57.1 | |
| 06:15 | 15:00 | 50.6 | 49.3 | 58.4 | |
| 06:30 | 15:00 | 51.3 | 50.1 | 59.2 | |
| 06:45 | 15:00 | 52.2 | 51.0 | 58.2 | |
| Log Average 2300-0700 | | 49.7 | 48.5 | 53-63 | |
| Average 2300-0700 | | 49.6 | 48.5 | 53-63 | |
| Average 0700-2300 | | 51.6 | 50.4 | 55-67 | |

Noise Survey Results

Date: Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 144

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

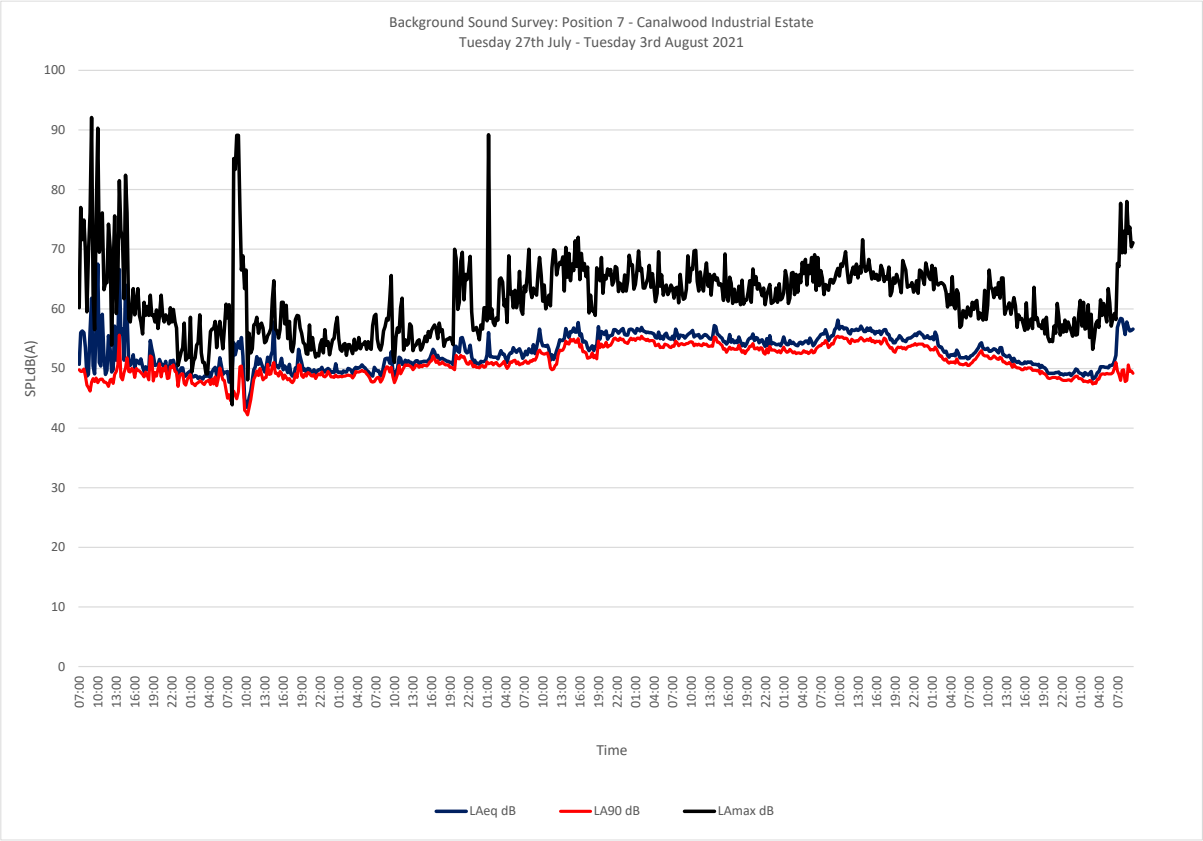
Data: **Position 7 - Canalwood Industrial Estate**

Instrumentation: Norsonic 116 Integrating Sound Level Meter (serial no: 21589)

Calibration: 94dB

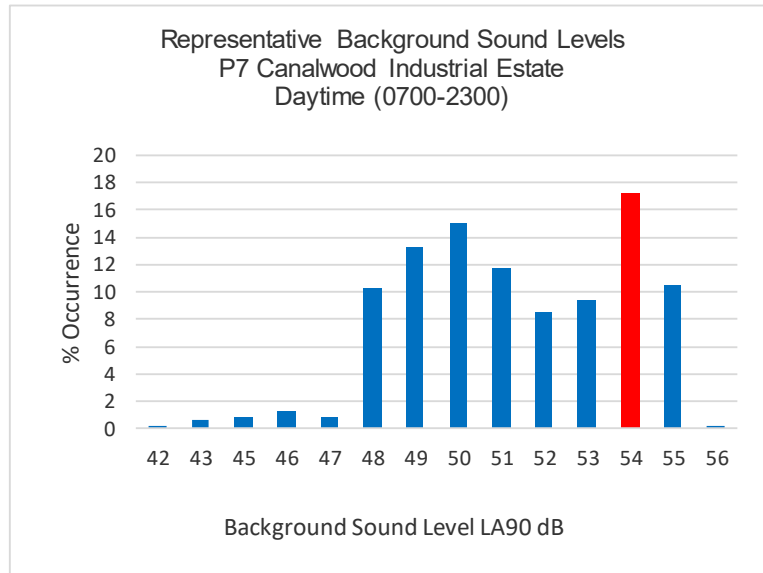
| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|----------------------------|------------------|-------------|-------------|--------------|------------------|
| 07:00 | 15:00 | 56.9 | 49.6 | 67.6 | |
| 07:15 | 15:00 | 57.7 | 49.0 | 67.1 | |
| 07:30 | 15:00 | 58.4 | 48.0 | 77.7 | |
| 07:45 | 15:00 | 58.3 | 49.7 | 69.4 | |
| 08:00 | 15:00 | 57.1 | 49.8 | 73.0 | |
| 08:15 | 15:00 | 55.7 | 47.8 | 69.4 | |
| 08:30 | 15:00 | 57.8 | 48.0 | 78.0 | |
| 08:45 | 15:00 | 56.9 | 50.6 | 72.7 | |
| 09:00 | 15:00 | 56.3 | 49.5 | 73.7 | |
| 09:15 | 15:00 | 56.4 | 49.6 | 70.4 | |
| 09:30 | 15:00 | 56.6 | 49.2 | 71.1 | |
| Log Average 0700-0945 | | 57.1 | 49.2 | 66-78 | |
| Average 0700-0945 | | 57.1 | 49.2 | 66-78 | |
| Overall Log Average | | 52.8 | 51.4 | 54-80 | With Rain |
| Overall Log Average | | 54.3 | 51.8 | 44-92 | With Rain |

| | | | | |
|----------------------------|-------------|-------------|--------------|----------------|
| Overall Log Average | 53.6 | 52.2 | 54-80 | No Rain |
| Overall Log Average | 54.4 | 51.9 | 44-92 | No Rain |

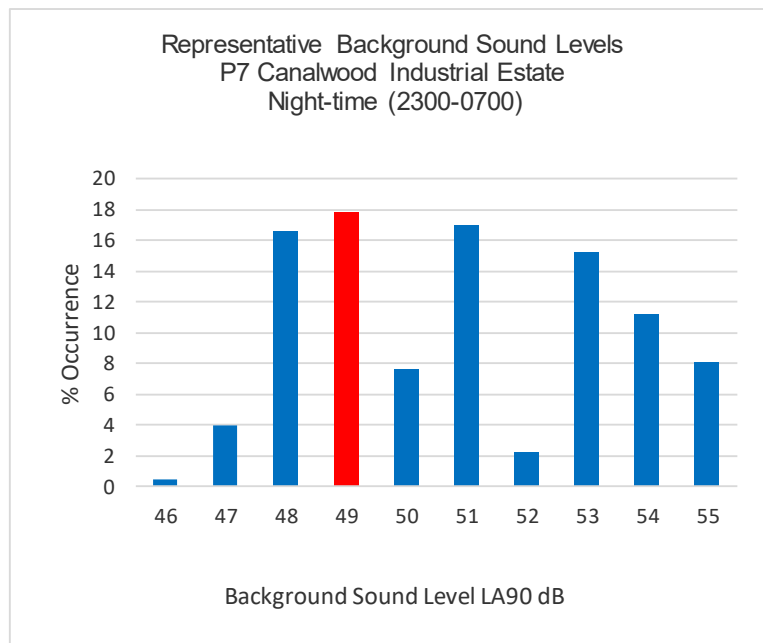


LA90 Representative Levels

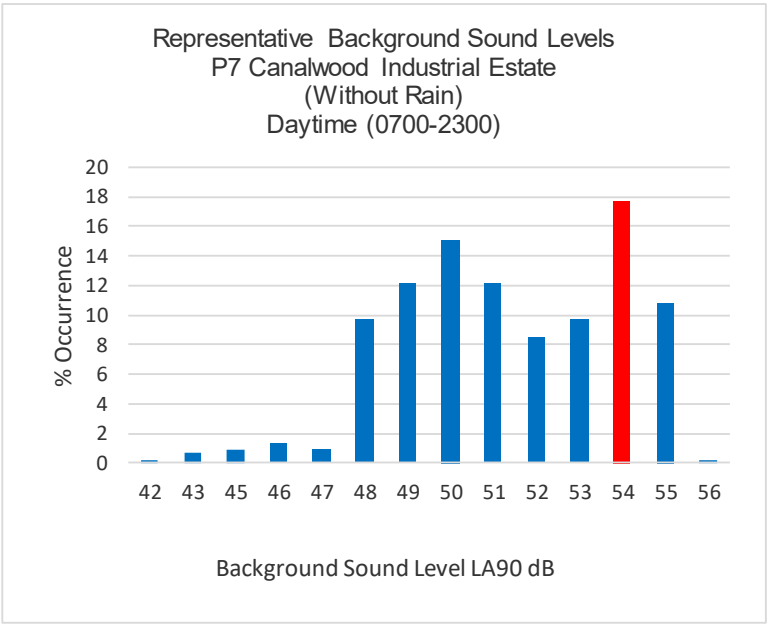
| LA90 | % Occurrence |
|-----------|--------------|
| 42 | 0.2 |
| 43 | 0.7 |
| 45 | 0.9 |
| 46 | 1.3 |
| 47 | 0.9 |
| 48 | 10.2 |
| 49 | 13.3 |
| 50 | 15.0 |
| 51 | 11.8 |
| 52 | 8.5 |
| 53 | 9.4 |
| 54 | 17.2 |
| 55 | 10.5 |
| 56 | 0.2 |



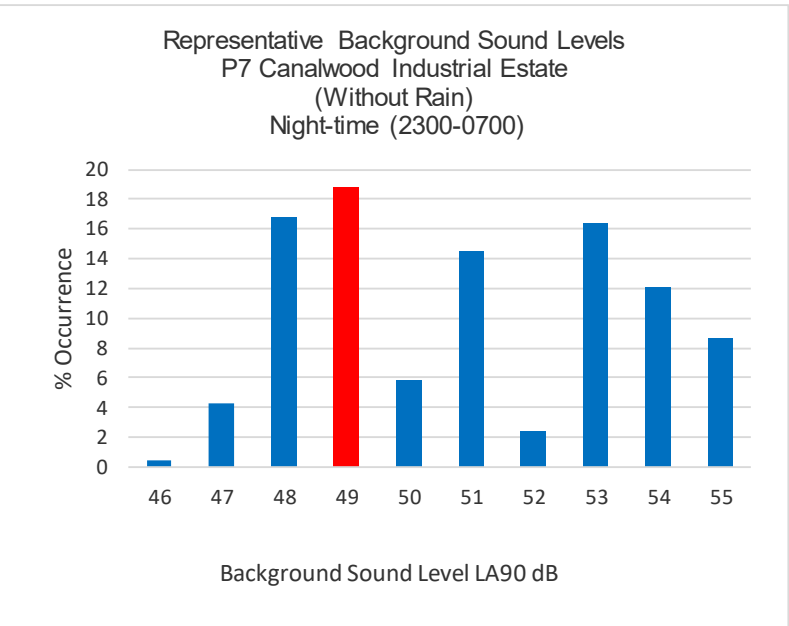
| LA90 | % Occurrence |
|-----------|--------------|
| 46 | 0.4 |
| 47 | 4.0 |
| 48 | 16.5 |
| 49 | 17.9 |
| 50 | 7.6 |
| 51 | 17.0 |
| 52 | 2.2 |
| 53 | 15.2 |
| 54 | 11.2 |
| 55 | 8.0 |



| LA90 | % Occurrence |
|------|--------------|
| 42 | 0.2 |
| 43 | 0.7 |
| 45 | 0.9 |
| 46 | 1.3 |
| 47 | 0.9 |
| 48 | 9.7 |
| 49 | 12.1 |
| 50 | 15.1 |
| 51 | 12.1 |
| 52 | 8.5 |
| 53 | 9.7 |
| 54 | 17.8 |
| 55 | 10.8 |
| 56 | 0.2 |



| LA90 | % Occurrence |
|------|--------------|
| 46 | 0.5 |
| 47 | 4.3 |
| 48 | 16.8 |
| 49 | 18.8 |
| 50 | 5.8 |
| 51 | 14.4 |
| 52 | 2.4 |
| 53 | 16.3 |
| 54 | 12.0 |
| 55 | 8.7 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 145

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 12:45 | 15:00 | 48.0 | 41.1 | 72.9 | Rain |
| 13:00 | 15:00 | 44.7 | 40.5 | 57.9 | |
| 13:15 | 15:00 | 55.2 | 41.6 | 65.3 | |
| 13:30 | 15:00 | 59.3 | 51.1 | 66.6 | |
| 13:45 | 15:00 | 48.4 | 44.4 | 62.2 | |
| 14:00 | 15:00 | 44.3 | 41.5 | 55.6 | |
| 14:15 | 15:00 | 43.2 | 41.4 | 54.7 | |
| 14:30 | 15:00 | 48.7 | 45.8 | 63.0 | |
| 14:45 | 15:00 | 49.8 | 47.5 | 62.1 | Rain |
| Log Average 1245-1500 | | 52.3 | 45.4 | 55-73 | |
| Average 1245-1500 | | 49.1 | 43.9 | 55-73 | |

Noise Survey Results

Date: Tuesday 27th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 8 - Manatton Llywyn-y-cil**
Instrumentation: Cirrus 171B Real Time Analyser (G056142)
Calibration: 94dB

TABLE 146

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 46.2 | 44.2 | 58.7 | Rain |
| 15:15 | 15:00 | 47.8 | 45.4 | 60.9 | |
| 15:30 | 15:00 | 43.2 | 40.5 | 54.6 | Rain |
| 15:45 | 15:00 | 41.7 | 39.4 | 60.8 | |
| 16:00 | 15:00 | 40.8 | 39.1 | 55.1 | |
| 16:15 | 15:00 | 42.1 | 39.4 | 59.6 | |
| 16:30 | 15:00 | 41.2 | 39.2 | 62.3 | |
| 16:45 | 15:00 | 45.1 | 42.6 | 55.7 | |
| 17:00 | 15:00 | 42.7 | 40.5 | 55.5 | |
| 17:15 | 15:00 | 41.7 | 39.4 | 50.3 | Rain |
| 17:30 | 15:00 | 41.5 | 38.9 | 53.5 | |
| 17:45 | 15:00 | 42.1 | 39.1 | 56.2 | |
| 18:00 | 15:00 | 41.9 | 39.2 | 57.8 | |
| 18:15 | 15:00 | 42.5 | 38.9 | 54.7 | |
| 18:30 | 15:00 | 42.9 | 39.3 | 55.2 | |
| 18:45 | 15:00 | 43.0 | 38.4 | 66.1 | |
| 19:00 | 15:00 | 42.3 | 36.6 | 62.0 | |
| 19:15 | 15:00 | 47.3 | 38.1 | 66.1 | |
| 19:30 | 15:00 | 44.1 | 39.1 | 58.5 | |
| 19:45 | 15:00 | 44.9 | 38.7 | 61.7 | |
| 20:00 | 15:00 | 44.4 | 36.9 | 61.7 | |
| 20:15 | 15:00 | 41.1 | 36.5 | 59.0 | |
| 20:30 | 15:00 | 40.5 | 37.5 | 58.5 | |
| 20:45 | 15:00 | 45.1 | 37.6 | 63.0 | |
| 21:00 | 15:00 | 56.3 | 37.7 | 67.3 | |
| 21:15 | 15:00 | 50.2 | 44.2 | 67.2 | Rain |
| 21:30 | 15:00 | 43.5 | 40.5 | 58.7 | Rain |
| 21:45 | 15:00 | 41.9 | 40.1 | 53.7 | |
| 22:00 | 15:00 | 41.5 | 39.6 | 50.3 | |
| 22:15 | 15:00 | 41.3 | 40.4 | 49.9 | |
| 22:30 | 15:00 | 40.9 | 39.9 | 53.8 | |
| 22:45 | 15:00 | 40.0 | 38.9 | 49.2 | |
| Log Average 1500-2300 | | 45.6 | 40.1 | 49-67 | |
| Average 1500-2300 | | 43.5 | 39.6 | 49-67 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 147

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 40.0 | 37.5 | 53.4 | |
| 23:15 | 15:00 | 40.2 | 38.8 | 47.2 | |
| 23:30 | 15:00 | 39.5 | 37.7 | 45.1 | |
| 23:45 | 15:00 | 39.4 | 37.3 | 51.9 | |
| 00:00 | 15:00 | 41.6 | 40.4 | 47.9 | |
| 00:15 | 15:00 | 41.9 | 41.1 | 46.7 | |
| 00:30 | 15:00 | 40.2 | 39.2 | 43.5 | |
| 00:45 | 15:00 | 39.6 | 38.7 | 47.9 | |
| 01:00 | 15:00 | 39.8 | 38.8 | 45.5 | |
| 01:15 | 15:00 | 41.1 | 40.0 | 46.1 | |
| 01:30 | 15:00 | 41.2 | 40.4 | 48.0 | |
| 01:45 | 15:00 | 39.8 | 36.5 | 44.5 | |
| 02:00 | 15:00 | 36.9 | 35.7 | 40.5 | |
| 02:15 | 15:00 | 36.8 | 34.4 | 44.0 | |
| 02:30 | 15:00 | 47.7 | 38.3 | 54.1 | |
| 02:45 | 15:00 | 45.3 | 41.5 | 55.9 | Rain |
| 03:00 | 15:00 | 41.2 | 39.2 | 50.5 | Rain |
| 03:15 | 15:00 | 41.0 | 39.6 | 50.4 | |
| 03:30 | 15:00 | 39.7 | 38.8 | 49.8 | |
| 03:45 | 15:00 | 40.0 | 37.8 | 50.6 | |
| 04:00 | 15:00 | 38.8 | 37.8 | 47.8 | |
| 04:15 | 15:00 | 38.7 | 37.5 | 46.7 | |
| 04:30 | 15:00 | 37.9 | 36.7 | 45.3 | |
| 04:45 | 15:00 | 39.7 | 36.1 | 65.5 | |
| 05:00 | 15:00 | 42.4 | 37.4 | 60.1 | |
| 05:15 | 15:00 | 41.9 | 36.9 | 58.7 | |
| 05:30 | 15:00 | 42.5 | 36.5 | 59.2 | |
| 05:45 | 15:00 | 41.7 | 36.8 | 56.7 | |
| 06:00 | 15:00 | 39.9 | 36.5 | 54.8 | |
| 06:15 | 15:00 | 40.8 | 37.0 | 54.4 | |
| 06:30 | 15:00 | 41.0 | 37.8 | 53.3 | |
| 06:45 | 15:00 | 41.8 | 37.0 | 58.9 | |
| Log Average 2300-0700 | | 41.2 | 38.2 | 41-66 | |
| Average 2300-0700 | | 40.6 | 38.0 | 41-66 | |
| Average 1245-2300 | | 49.4 | 42.9 | 49-73 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 148

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 39.9 | 37.5 | 57.7 | |
| 07:15 | 15:00 | 41.9 | 38.9 | 60.1 | |
| 07:30 | 15:00 | 43.2 | 39.5 | 57.2 | |
| 07:45 | 15:00 | 41.7 | 39.5 | 54.2 | |
| 08:00 | 15:00 | 44.5 | 38.9 | 67.1 | |
| 08:15 | 15:00 | 43.2 | 38.9 | 58.9 | |
| 08:30 | 15:00 | 41.2 | 38.8 | 53.1 | |
| 08:45 | 15:00 | 42.4 | 37.3 | 63.5 | |
| 09:00 | 15:00 | 42.6 | 37.8 | 62.5 | |
| 09:15 | 15:00 | 40.4 | 37.7 | 50.7 | |
| 09:30 | 15:00 | 42.5 | 38.1 | 57.7 | |
| 09:45 | 15:00 | 46.4 | 39.6 | 58.4 | |
| 10:00 | 15:00 | 48.1 | 41.5 | 57.5 | |
| 10:15 | 15:00 | 45.0 | 38.7 | 53.9 | |
| 10:30 | 15:00 | 47.2 | 38.8 | 58.3 | |
| 10:45 | 15:00 | 52.5 | 45.2 | 62.7 | |
| 11:00 | 15:00 | 52.0 | 46.1 | 59.7 | |
| 11:15 | 15:00 | 47.8 | 40.6 | 57.4 | |
| 11:30 | 15:00 | 49.8 | 43.4 | 59.9 | |
| 11:45 | 15:00 | 48.9 | 40.2 | 61.8 | |
| 12:00 | 15:00 | 42.4 | 38.0 | 55.9 | Rain |
| 12:15 | 15:00 | 52.4 | 41.2 | 66.7 | |
| 12:30 | 15:00 | 47.2 | 40.9 | 57.3 | Rain |
| 12:45 | 15:00 | 49.5 | 43.0 | 59.2 | |
| 13:00 | 15:00 | 51.5 | 43.6 | 60.3 | |
| 13:15 | 15:00 | 47.6 | 41.4 | 59.2 | |
| 13:30 | 15:00 | 52.6 | 45.9 | 65.3 | |
| 13:45 | 15:00 | 49.5 | 43.4 | 63.3 | |
| 14:00 | 15:00 | 51.9 | 43.4 | 62.9 | Rain |
| 14:15 | 15:00 | 48.9 | 40.7 | 61.5 | |
| 14:30 | 15:00 | 49.1 | 40.1 | 59.3 | |
| 14:45 | 15:00 | 52.7 | 42.4 | 66.1 | |
| Log Average 0700-1500 | | 48.4 | 41.4 | 51-67 | |
| Average 0700-1500 | | 46.8 | 40.7 | 51-67 | |

Noise Survey Results

Date: Wednesday 28th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 8 - Manatton Llywyn-y-cil**
Instrumentation: Cirrus 171B Real Time Analyser (G056142)
Calibration: 94dB

TABLE 149

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 52.1 | 43.0 | 63.8 | |
| 15:15 | 15:00 | 51.3 | 41.0 | 65.2 | |
| 15:30 | 15:00 | 47.7 | 40.4 | 60.0 | |
| 15:45 | 15:00 | 54.1 | 41.5 | 65.0 | |
| 16:00 | 15:00 | 48.3 | 41.4 | 60.6 | |
| 16:15 | 15:00 | 44.8 | 39.7 | 59.2 | |
| 16:30 | 15:00 | 49.1 | 41.6 | 66.0 | |
| 16:45 | 15:00 | 49.4 | 42.5 | 63.6 | |
| 17:00 | 15:00 | 52.3 | 47.1 | 62.3 | |
| 17:15 | 15:00 | 48.4 | 42.1 | 56.9 | |
| 17:30 | 15:00 | 44.5 | 37.8 | 63.4 | Rain |
| 17:45 | 15:00 | 43.8 | 38.3 | 57.6 | |
| 18:00 | 15:00 | 45.3 | 39.1 | 56.8 | |
| 18:15 | 15:00 | 43.2 | 37.6 | 59.6 | |
| 18:30 | 15:00 | 41.7 | 36.9 | 61.3 | |
| 18:45 | 15:00 | 44.3 | 36.0 | 61.5 | |
| 19:00 | 15:00 | 46.5 | 39.3 | 61.7 | |
| 19:15 | 15:00 | 46.3 | 38.3 | 62.4 | |
| 19:30 | 15:00 | 44.7 | 35.9 | 58.7 | |
| 19:45 | 15:00 | 41.5 | 35.2 | 56.9 | |
| 20:00 | 15:00 | 46.7 | 35.8 | 64.8 | |
| 20:15 | 15:00 | 46.7 | 36.7 | 60.1 | |
| 20:30 | 15:00 | 51.0 | 38.7 | 61.8 | |
| 20:45 | 15:00 | 54.3 | 46.7 | 64.5 | Rain |
| 21:00 | 15:00 | 44.5 | 39.2 | 62.4 | Rain |
| 21:15 | 15:00 | 39.6 | 36.5 | 50.2 | |
| 21:30 | 15:00 | 44.1 | 37.7 | 64.7 | |
| 21:45 | 15:00 | 38.7 | 36.1 | 49.6 | |
| 22:00 | 15:00 | 37.7 | 36.0 | 51.0 | |
| 22:15 | 15:00 | 38.6 | 36.9 | 53.4 | |
| 22:30 | 15:00 | 38.6 | 37.8 | 42.2 | |
| 22:45 | 15:00 | 39.4 | 36.7 | 49.8 | |
| Log Average 1500-2300 | | 47.9 | 40.3 | 42-66 | |
| Average 1500-2300 | | 45.6 | 39.0 | 42-66 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 150

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 37.0 | 35.0 | 50.2 | Rain |
| 23:15 | 15:00 | 39.0 | 37.0 | 48.9 | |
| 23:30 | 15:00 | 38.3 | 35.8 | 50.6 | |
| 23:45 | 15:00 | 38.4 | 36.0 | 44.8 | |
| 00:00 | 15:00 | 38.4 | 35.3 | 54.8 | |
| 00:15 | 15:00 | 37.9 | 35.2 | 44.5 | |
| 00:30 | 15:00 | 38.0 | 35.6 | 44.7 | |
| 00:45 | 15:00 | 38.3 | 35.8 | 47.4 | |
| 01:00 | 15:00 | 38.5 | 35.6 | 45.3 | |
| 01:15 | 15:00 | 39.8 | 35.7 | 51.9 | |
| 01:30 | 15:00 | 37.6 | 35.6 | 43.6 | |
| 01:45 | 15:00 | 37.7 | 35.0 | 50.1 | |
| 02:00 | 15:00 | 42.3 | 36.1 | 55.4 | |
| 02:15 | 15:00 | 42.3 | 36.8 | 51.2 | |
| 02:30 | 15:00 | 39.8 | 36.0 | 47.2 | |
| 02:45 | 15:00 | 42.3 | 37.8 | 53.5 | |
| 03:00 | 15:00 | 39.1 | 36.5 | 46.5 | |
| 03:15 | 15:00 | 42.0 | 36.9 | 55.5 | |
| 03:30 | 15:00 | 44.0 | 38.7 | 56.4 | |
| 03:45 | 15:00 | 40.1 | 35.0 | 52.7 | |
| 04:00 | 15:00 | 40.4 | 35.3 | 52.3 | |
| 04:15 | 15:00 | 38.6 | 35.3 | 47.4 | |
| 04:30 | 15:00 | 39.0 | 36.0 | 46.8 | |
| 04:45 | 15:00 | 39.2 | 35.6 | 54.1 | |
| 05:00 | 15:00 | 39.3 | 36.1 | 62.4 | |
| 05:15 | 15:00 | 40.9 | 36.9 | 51.0 | |
| 05:30 | 15:00 | 40.8 | 36.8 | 53.2 | |
| 05:45 | 15:00 | 43.8 | 36.7 | 58.2 | |
| 06:00 | 15:00 | 43.4 | 36.3 | 59.1 | |
| 06:15 | 15:00 | 41.6 | 36.0 | 64.4 | |
| 06:30 | 15:00 | 43.3 | 37.0 | 61.1 | |
| 06:45 | 15:00 | 42.8 | 37.4 | 57.9 | |
| Log Average 2300-0700 | | 40.6 | 36.2 | 44-64 | |
| Average 2300-0700 | | 40.1 | 36.2 | 44-64 | |
| Average 0700-2300 | | 48.2 | 40.9 | 42-67 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 151

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 45.3 | 38.5 | 61.0 | |
| 07:15 | 15:00 | 45.1 | 39.4 | 56.3 | |
| 07:30 | 15:00 | 45.5 | 39.2 | 57.3 | |
| 07:45 | 15:00 | 45.1 | 38.5 | 56.8 | |
| 08:00 | 15:00 | 48.0 | 40.5 | 59.2 | |
| 08:15 | 15:00 | 48.6 | 42.1 | 61.2 | |
| 08:30 | 15:00 | 44.2 | 38.4 | 54.7 | |
| 08:45 | 15:00 | 46.1 | 39.5 | 56.9 | |
| 09:00 | 15:00 | 46.2 | 39.9 | 57.5 | |
| 09:15 | 15:00 | 46.7 | 41.0 | 57.4 | |
| 09:30 | 15:00 | 47.6 | 40.0 | 59.3 | |
| 09:45 | 15:00 | 47.2 | 40.1 | 57.2 | |
| 10:00 | 15:00 | 48.5 | 40.9 | 65.0 | |
| 10:15 | 15:00 | 46.4 | 39.7 | 62.2 | |
| 10:30 | 15:00 | 46.8 | 40.2 | 58.4 | |
| 10:45 | 15:00 | 48.8 | 41.2 | 60.4 | |
| 11:00 | 15:00 | 44.3 | 39.0 | 54.7 | |
| 11:15 | 15:00 | 45.6 | 40.2 | 57.3 | |
| 11:30 | 15:00 | 45.7 | 40.4 | 56.2 | |
| 11:45 | 15:00 | 46.6 | 40.3 | 57.5 | |
| 12:00 | 15:00 | 43.0 | 38.5 | 53.4 | |
| 12:15 | 15:00 | 44.6 | 38.6 | 54.6 | |
| 12:30 | 15:00 | 43.7 | 38.3 | 58.6 | |
| 12:45 | 15:00 | 42.2 | 37.4 | 55.6 | |
| 13:00 | 15:00 | 46.4 | 39.4 | 67.4 | |
| 13:15 | 15:00 | 44.7 | 38.8 | 61.0 | |
| 13:30 | 15:00 | 44.8 | 39.4 | 63.7 | |
| 13:45 | 15:00 | 45.6 | 40.6 | 60.1 | |
| 14:00 | 15:00 | 43.7 | 38.8 | 58.7 | |
| 14:15 | 15:00 | 51.6 | 38.7 | 72.4 | |
| 14:30 | 15:00 | 42.0 | 37.4 | 57.7 | |
| 14:45 | 15:00 | 48.9 | 37.5 | 60.7 | |
| Log Average 0700-1500 | | 46.4 | 39.5 | 43-72 | |
| Average 0700-1500 | | 45.9 | 39.5 | 43-72 | |

Noise Survey Results

Date: Thursday 29th July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 8 - Manatton Llywyn-y-cil**
Instrumentation: Cirrus 171B Real Time Analyser (G056142)
Calibration: 94dB

TABLE 152

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 43.3 | 37.2 | 57.5 | |
| 15:15 | 15:00 | 45.5 | 37.8 | 59.6 | |
| 15:30 | 15:00 | 49.4 | 38.4 | 63.4 | |
| 15:45 | 15:00 | 50.2 | 41.0 | 62.5 | |
| 16:00 | 15:00 | 45.4 | 38.3 | 60.6 | |
| 16:15 | 15:00 | 45.0 | 37.9 | 63.0 | |
| 16:30 | 15:00 | 42.9 | 37.7 | 53.5 | |
| 16:45 | 15:00 | 41.0 | 37.0 | 56.8 | |
| 17:00 | 15:00 | 42.2 | 35.7 | 54.9 | |
| 17:15 | 15:00 | 40.5 | 36.1 | 57.3 | |
| 17:30 | 15:00 | 40.5 | 37.0 | 51.2 | |
| 17:45 | 15:00 | 42.4 | 35.3 | 59.4 | |
| 18:00 | 15:00 | 39.5 | 35.2 | 56.4 | |
| 18:15 | 15:00 | 40.5 | 36.3 | 58.7 | |
| 18:30 | 15:00 | 41.1 | 35.1 | 56.2 | |
| 18:45 | 15:00 | 42.7 | 35.4 | 65.7 | |
| 19:00 | 15:00 | 41.7 | 35.1 | 59.9 | |
| 19:15 | 15:00 | 49.5 | 36.5 | 64.6 | |
| 19:30 | 15:00 | 51.9 | 40.6 | 65.2 | |
| 19:45 | 15:00 | 48.2 | 36.4 | 63.0 | |
| 20:00 | 15:00 | 43.5 | 35.8 | 58.5 | |
| 20:15 | 15:00 | 41.6 | 37.3 | 57.0 | |
| 20:30 | 15:00 | 43.0 | 39.0 | 57.6 | |
| 20:45 | 15:00 | 44.2 | 37.4 | 61.0 | |
| 21:00 | 15:00 | 41.9 | 37.5 | 63.6 | |
| 21:15 | 15:00 | 41.1 | 38.0 | 59.3 | |
| 21:30 | 15:00 | 44.8 | 39.1 | 64.6 | |
| 21:45 | 15:00 | 40.4 | 38.5 | 53.3 | |
| 22:00 | 15:00 | 38.8 | 37.6 | 49.2 | |
| 22:15 | 15:00 | 42.3 | 39.3 | 61.5 | |
| 22:30 | 15:00 | 40.3 | 38.8 | 44.6 | |
| 22:45 | 15:00 | 40.9 | 40.1 | 46.6 | |
| Log Average 1500-2300 | | 44.8 | 37.7 | 45-66 | |
| Average 1500-2300 | | 43.3 | 37.5 | 45-66 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

TABLE 153

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 40.1 | 39.2 | 44.6 | |
| 23:15 | 15:00 | 39.5 | 38.5 | 46.3 | |
| 23:30 | 15:00 | 47.0 | 42.3 | 55.5 | |
| 23:45 | 15:00 | 52.6 | 50.6 | 59.9 | |
| 00:00 | 15:00 | 48.2 | 44.7 | 64.8 | Rain |
| 00:15 | 15:00 | 46.7 | 44.0 | 55.6 | Rain |
| 00:30 | 15:00 | 48.1 | 45.8 | 57.6 | |
| 00:45 | 15:00 | 44.3 | 43.0 | 55.2 | Rain |
| 01:00 | 15:00 | 42.4 | 41.5 | 55.9 | |
| 01:15 | 15:00 | 43.0 | 42.1 | 52.6 | |
| 01:30 | 15:00 | 42.2 | 41.1 | 50.1 | |
| 01:45 | 15:00 | 42.3 | 40.7 | 48.8 | |
| 02:00 | 15:00 | 40.9 | 39.5 | 48.1 | |
| 02:15 | 15:00 | 42.4 | 41.3 | 46.6 | |
| 02:30 | 15:00 | 45.1 | 42.1 | 52.6 | |
| 02:45 | 15:00 | 52.1 | 48.1 | 61.8 | |
| 03:00 | 15:00 | 53.7 | 52.3 | 62.2 | Rain |
| 03:15 | 15:00 | 55.5 | 52.0 | 63.5 | Rain |
| 03:30 | 15:00 | 50.4 | 47.8 | 63.0 | Rain |
| 03:45 | 15:00 | 55.5 | 52.7 | 60.0 | Rain |
| 04:00 | 15:00 | 58.3 | 56.1 | 62.8 | Rain |
| 04:15 | 15:00 | 60.6 | 59.0 | 69.8 | Rain |
| 04:30 | 15:00 | 61.2 | 59.9 | 70.0 | Rain |
| 04:45 | 15:00 | 58.6 | 54.8 | 74.6 | Rain |
| 05:00 | 15:00 | 52.2 | 50.1 | 67.7 | |
| 05:15 | 15:00 | 51.7 | 49.9 | 63.6 | |
| 05:30 | 15:00 | 49.2 | 47.7 | 61.7 | Rain |
| 05:45 | 15:00 | 48.0 | 46.3 | 58.8 | |
| 06:00 | 15:00 | 48.1 | 45.2 | 65.9 | |
| 06:15 | 15:00 | 46.9 | 45.1 | 57.2 | |
| 06:30 | 15:00 | 47.7 | 46.1 | 57.8 | |
| 06:45 | 15:00 | 48.1 | 45.6 | 63.8 | Rain |
| Log Average 2300-0700 | | 52.9 | 50.8 | 45-75 | |
| Average 2300-0700 | | 48.8 | 46.7 | 45-75 | |
| Average 0700-2300 | | 47.3 | 37.6 | 43-72 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 154

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 48.0 | 45.8 | 70.5 | |
| 07:15 | 15:00 | 47.4 | 45.5 | 62.4 | |
| 07:30 | 15:00 | 46.5 | 45.3 | 54.8 | |
| 07:45 | 15:00 | 47.0 | 45.3 | 58.3 | |
| 08:00 | 15:00 | 47.0 | 45.6 | 63.0 | |
| 08:15 | 15:00 | 46.8 | 45.3 | 61.8 | |
| 08:30 | 15:00 | 47.4 | 45.7 | 54.6 | |
| 08:45 | 15:00 | 48.0 | 46.6 | 54.8 | |
| 09:00 | 15:00 | 47.5 | 46.1 | 56.2 | |
| 09:15 | 15:00 | 47.3 | 45.8 | 57.2 | |
| 09:30 | 15:00 | 47.6 | 45.8 | 60.7 | |
| 09:45 | 15:00 | 48.2 | 45.0 | 61.6 | |
| 10:00 | 15:00 | 46.3 | 44.2 | 65.4 | |
| 10:15 | 15:00 | 47.0 | 44.0 | 59.8 | |
| 10:30 | 15:00 | 46.3 | 44.9 | 52.1 | |
| 10:45 | 15:00 | 47.6 | 46.0 | 57.2 | |
| 11:00 | 15:00 | 49.2 | 45.6 | 65.9 | |
| 11:15 | 15:00 | 48.5 | 45.6 | 64.5 | |
| 11:30 | 15:00 | 46.7 | 44.9 | 56.2 | |
| 11:45 | 15:00 | 46.0 | 44.4 | 53.4 | |
| 12:00 | 15:00 | 46.1 | 44.3 | 54.7 | |
| 12:15 | 15:00 | 46.2 | 44.5 | 61.5 | |
| 12:30 | 15:00 | 46.0 | 43.9 | 54.4 | |
| 12:45 | 15:00 | 44.4 | 42.6 | 50.3 | |
| 13:00 | 15:00 | 45.5 | 43.6 | 50.3 | |
| 13:15 | 15:00 | 46.3 | 43.6 | 64.9 | |
| 13:30 | 15:00 | 45.5 | 43.3 | 60.4 | |
| 13:45 | 15:00 | 47.1 | 43.9 | 57.7 | |
| 14:00 | 15:00 | 46.7 | 43.3 | 59.3 | |
| 14:15 | 15:00 | 46.0 | 43.3 | 60.0 | |
| 14:30 | 15:00 | 45.5 | 42.8 | 58.0 | |
| 14:45 | 15:00 | 45.2 | 42.5 | 61.0 | |
| Log Average 0700-1500 | | 46.8 | 44.7 | 50-71 | |
| Average 0700-1500 | | 46.8 | 44.7 | 50-71 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 155

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 45.3 | 42.4 | 56.6 | |
| 15:15 | 15:00 | 43.6 | 41.4 | 50.0 | |
| 15:30 | 15:00 | 45.8 | 42.8 | 57.3 | |
| 15:45 | 15:00 | 45.5 | 42.8 | 58.6 | |
| 16:00 | 15:00 | 43.9 | 41.2 | 52.4 | |
| 16:15 | 15:00 | 44.7 | 41.2 | 54.6 | |
| 16:30 | 15:00 | 46.5 | 42.0 | 62.2 | |
| 16:45 | 15:00 | 44.7 | 41.5 | 52.2 | |
| 17:00 | 15:00 | 45.3 | 42.2 | 57.6 | |
| 17:15 | 15:00 | 46.3 | 41.7 | 59.4 | |
| 17:30 | 15:00 | 45.0 | 41.1 | 62.5 | |
| 17:45 | 15:00 | 44.0 | 41.3 | 62.2 | |
| 18:00 | 15:00 | 43.8 | 40.1 | 53.4 | |
| 18:15 | 15:00 | 43.6 | 40.6 | 57.4 | |
| 18:30 | 15:00 | 44.1 | 40.8 | 59.0 | |
| 18:45 | 15:00 | 42.0 | 39.7 | 59.4 | |
| 19:00 | 15:00 | 43.9 | 39.8 | 60.6 | |
| 19:15 | 15:00 | 45.1 | 39.4 | 61.3 | |
| 19:30 | 15:00 | 45.2 | 39.4 | 62.1 | |
| 19:45 | 15:00 | 43.5 | 39.3 | 57.4 | |
| 20:00 | 15:00 | 44.1 | 39.7 | 60.6 | |
| 20:15 | 15:00 | 46.5 | 40.0 | 64.2 | |
| 20:30 | 15:00 | 43.8 | 39.9 | 61.4 | |
| 20:45 | 15:00 | 42.8 | 39.0 | 62.2 | |
| 21:00 | 15:00 | 42.5 | 38.0 | 63.6 | |
| 21:15 | 15:00 | 42.3 | 37.3 | 63.7 | |
| 21:30 | 15:00 | 42.0 | 38.3 | 55.0 | |
| 21:45 | 15:00 | 42.2 | 38.5 | 52.8 | |
| 22:00 | 15:00 | 49.0 | 42.5 | 60.6 | |
| 22:15 | 15:00 | 48.7 | 42.0 | 62.1 | |
| 22:30 | 15:00 | 48.8 | 42.8 | 57.3 | |
| 22:45 | 15:00 | 52.9 | 44.2 | 64.5 | |
| Log Average 1500-2300 | | 45.7 | 41.0 | 50-65 | |
| Average 1500-2300 | | 44.9 | 40.7 | 50-65 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 156

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 51.1 | 44.0 | 62.9 | |
| 23:15 | 15:00 | 48.4 | 41.2 | 57.8 | |
| 23:30 | 15:00 | 46.1 | 41.8 | 55.5 | |
| 23:45 | 15:00 | 42.4 | 39.9 | 49.6 | |
| 00:00 | 15:00 | 40.4 | 38.4 | 45.5 | |
| 00:15 | 15:00 | 39.9 | 38.3 | 45.9 | |
| 00:30 | 15:00 | 38.5 | 36.5 | 49.7 | |
| 00:45 | 15:00 | 38.7 | 36.7 | 43.8 | |
| 01:00 | 15:00 | 39.2 | 38.1 | 43.3 | |
| 01:15 | 15:00 | 39.5 | 38.4 | 47.4 | |
| 01:30 | 15:00 | 39.5 | 38.2 | 50.9 | |
| 01:45 | 15:00 | 39.5 | 38.3 | 49.4 | |
| 02:00 | 15:00 | 39.6 | 38.3 | 42.7 | |
| 02:15 | 15:00 | 38.7 | 37.6 | 47.1 | |
| 02:30 | 15:00 | 39.8 | 38.7 | 45.4 | |
| 02:45 | 15:00 | 39.0 | 37.5 | 42.8 | |
| 03:00 | 15:00 | 39.1 | 37.6 | 44.0 | |
| 03:15 | 15:00 | 40.8 | 39.1 | 44.5 | |
| 03:30 | 15:00 | 39.9 | 38.7 | 45.1 | |
| 03:45 | 15:00 | 40.8 | 38.9 | 49.2 | |
| 04:00 | 15:00 | 39.8 | 38.5 | 46.4 | |
| 04:15 | 15:00 | 39.5 | 38.6 | 43.1 | |
| 04:30 | 15:00 | 40.1 | 38.7 | 48.3 | |
| 04:45 | 15:00 | 39.4 | 37.2 | 48.3 | |
| 05:00 | 15:00 | 43.9 | 38.4 | 72.3 | |
| 05:15 | 15:00 | 43.1 | 39.4 | 57.7 | |
| 05:30 | 15:00 | 43.3 | 38.2 | 59.1 | |
| 05:45 | 15:00 | 41.0 | 38.9 | 55.7 | |
| 06:00 | 15:00 | 41.0 | 38.5 | 53.4 | |
| 06:15 | 15:00 | 41.7 | 37.5 | 62.9 | |
| 06:30 | 15:00 | 41.8 | 37.9 | 62.9 | |
| 06:45 | 15:00 | 42.3 | 38.8 | 58.5 | |
| Log Average 2300-0700 | | 42.5 | 38.9 | 43-72 | |
| Average 2300-0700 | | 41.2 | 38.7 | 43-72 | |
| Average 0700-2300 | | 46.3 | 43.3 | 50-75 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 157

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 42.7 | 37.2 | 64.2 | |
| 07:15 | 15:00 | 39.8 | 37.2 | 55.2 | |
| 07:30 | 15:00 | 41.2 | 38.0 | 62.1 | |
| 07:45 | 15:00 | 42.3 | 39.0 | 63.0 | |
| 08:00 | 15:00 | 41.7 | 38.7 | 62.3 | |
| 08:15 | 15:00 | 41.7 | 37.4 | 59.3 | |
| 08:30 | 15:00 | 43.0 | 37.1 | 63.3 | |
| 08:45 | 15:00 | 39.8 | 37.2 | 53.8 | |
| 09:00 | 15:00 | 41.0 | 38.3 | 51.9 | |
| 09:15 | 15:00 | 41.8 | 39.3 | 57.0 | |
| 09:30 | 15:00 | 47.0 | 39.6 | 59.0 | |
| 09:45 | 15:00 | 48.3 | 40.8 | 57.7 | |
| 10:00 | 15:00 | 42.3 | 38.2 | 58.0 | |
| 10:15 | 15:00 | 41.3 | 37.9 | 54.8 | |
| 10:30 | 15:00 | 41.6 | 38.4 | 55.3 | |
| 10:45 | 15:00 | 42.7 | 39.1 | 55.1 | |
| 11:00 | 15:00 | 43.2 | 39.5 | 56.0 | |
| 11:15 | 15:00 | 43.0 | 40.6 | 62.8 | |
| 11:30 | 15:00 | 43.7 | 41.3 | 56.0 | |
| 11:45 | 15:00 | 43.0 | 39.4 | 58.3 | |
| 12:00 | 15:00 | 41.7 | 36.9 | 61.8 | |
| 12:15 | 15:00 | 41.1 | 37.5 | 55.9 | |
| 12:30 | 15:00 | 42.0 | 36.5 | 57.3 | |
| 12:45 | 15:00 | 41.0 | 36.1 | 55.9 | |
| 13:00 | 15:00 | 40.2 | 37.0 | 55.4 | |
| 13:15 | 15:00 | 40.3 | 36.8 | 52.5 | |
| 13:30 | 15:00 | 41.0 | 36.8 | 59.7 | |
| 13:45 | 15:00 | 41.0 | 38.4 | 52.5 | |
| 14:00 | 15:00 | 41.9 | 39.7 | 57.3 | |
| 14:15 | 15:00 | 40.9 | 39.0 | 50.0 | |
| 14:30 | 15:00 | 40.4 | 38.0 | 52.8 | |
| 14:45 | 15:00 | 41.7 | 38.4 | 52.3 | |
| Log Average 0700-1500 | | 42.4 | 38.4 | 50-64 | |
| Average 0700-1500 | | 42.0 | 38.3 | 50-64 | |

Noise Survey Results

Date: Saturday 31st July 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 8 - Manatton Llywyn-y-cil**
Instrumentation: Cirrus 171B Real Time Analyser (G056142)
Calibration: 94dB

TABLE 158

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 41.2 | 39.8 | 49.3 | |
| 15:15 | 15:00 | 46.2 | 39.7 | 67.3 | |
| 15:30 | 15:00 | 41.4 | 39.0 | 56.9 | |
| 15:45 | 15:00 | 41.0 | 38.5 | 56.8 | |
| 16:00 | 15:00 | 41.8 | 38.8 | 55.4 | |
| 16:15 | 15:00 | 41.6 | 38.6 | 57.7 | |
| 16:30 | 15:00 | 41.0 | 38.8 | 53.9 | |
| 16:45 | 15:00 | 43.1 | 39.2 | 57.4 | |
| 17:00 | 15:00 | 42.0 | 39.9 | 57.4 | |
| 17:15 | 15:00 | 43.7 | 39.7 | 61.5 | |
| 17:30 | 15:00 | 40.7 | 39.1 | 56.9 | |
| 17:45 | 15:00 | 40.6 | 38.9 | 55.1 | |
| 18:00 | 15:00 | 41.8 | 39.1 | 58.8 | |
| 18:15 | 15:00 | 42.3 | 39.9 | 58.9 | |
| 18:30 | 15:00 | 49.5 | 40.2 | 68.9 | |
| 18:45 | 15:00 | 43.0 | 38.0 | 59.9 | |
| 19:00 | 15:00 | 43.5 | 37.1 | 65.5 | |
| 19:15 | 15:00 | 41.2 | 36.6 | 56.4 | |
| 19:30 | 15:00 | 48.1 | 36.6 | 70.7 | |
| 19:45 | 15:00 | 44.5 | 36.3 | 58.3 | |
| 20:00 | 15:00 | 46.0 | 35.7 | 60.1 | |
| 20:15 | 15:00 | 47.7 | 36.0 | 64.5 | |
| 20:30 | 15:00 | 52.3 | 36.2 | 65.8 | |
| 20:45 | 15:00 | 51.0 | 36.9 | 65.8 | |
| 21:00 | 15:00 | 45.8 | 35.1 | 64.2 | |
| 21:15 | 15:00 | 45.2 | 35.5 | 62.6 | |
| 21:30 | 15:00 | 40.4 | 37.8 | 53.0 | |
| 21:45 | 15:00 | 42.8 | 36.7 | 60.9 | |
| 22:00 | 15:00 | 39.8 | 35.5 | 58.8 | |
| 22:15 | 15:00 | 39.4 | 35.0 | 57.3 | |
| 22:30 | 15:00 | 35.8 | 34.2 | 43.3 | |
| 22:45 | 15:00 | 37.6 | 35.1 | 52.1 | |
| Log Average 1500-2300 | | 44.9 | 37.9 | 43-71 | |
| Average 1500-2300 | | 43.2 | 37.6 | 43-71 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 159

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 37.7 | 36.0 | 41.8 | |
| 23:15 | 15:00 | 37.1 | 33.5 | 53.0 | |
| 23:30 | 15:00 | 35.6 | 33.2 | 44.3 | |
| 23:45 | 15:00 | 38.4 | 34.4 | 54.2 | |
| 00:00 | 15:00 | 37.7 | 35.8 | 50.3 | |
| 00:15 | 15:00 | 37.6 | 35.7 | 48.2 | |
| 00:30 | 15:00 | 39.5 | 38.3 | 46.5 | |
| 00:45 | 15:00 | 38.1 | 35.6 | 50.5 | |
| 01:00 | 15:00 | 38.7 | 36.4 | 58.2 | |
| 01:15 | 15:00 | 40.6 | 37.4 | 56.8 | |
| 01:30 | 15:00 | 38.7 | 37.0 | 56.4 | |
| 01:45 | 15:00 | 38.5 | 37.1 | 56.1 | |
| 02:00 | 15:00 | 40.4 | 38.3 | 58.9 | |
| 02:15 | 15:00 | 39.5 | 38.4 | 46.4 | |
| 02:30 | 15:00 | 40.0 | 39.1 | 43.4 | |
| 02:45 | 15:00 | 39.5 | 38.4 | 43.0 | |
| 03:00 | 15:00 | 39.3 | 37.8 | 43.2 | |
| 03:15 | 15:00 | 39.2 | 38.1 | 44.6 | |
| 03:30 | 15:00 | 38.4 | 36.7 | 42.2 | |
| 03:45 | 15:00 | 38.9 | 37.6 | 43.2 | |
| 04:00 | 15:00 | 38.0 | 37.0 | 43.6 | |
| 04:15 | 15:00 | 38.5 | 37.4 | 42.2 | |
| 04:30 | 15:00 | 39.0 | 38.1 | 41.7 | |
| 04:45 | 15:00 | 39.3 | 38.4 | 47.6 | |
| 05:00 | 15:00 | 41.6 | 38.6 | 60.0 | |
| 05:15 | 15:00 | 40.8 | 39.0 | 50.2 | |
| 05:30 | 15:00 | 46.9 | 39.3 | 61.8 | |
| 05:45 | 15:00 | 42.7 | 39.2 | 54.5 | |
| 06:00 | 15:00 | 41.5 | 38.8 | 63.7 | |
| 06:15 | 15:00 | 41.6 | 39.0 | 53.9 | |
| 06:30 | 15:00 | 43.1 | 38.4 | 63.2 | |
| 06:45 | 15:00 | 40.6 | 39.0 | 53.6 | |
| Log Average 2300-0700 | | 40.2 | 37.6 | 42-64 | |
| Average 2300-0700 | | 39.6 | 37.4 | 42-64 | |
| Average 0700-2300 | | 43.8 | 38.2 | 43-71 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 160

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 41.0 | 38.6 | 60.9 | |
| 07:15 | 15:00 | 42.6 | 38.2 | 54.8 | |
| 07:30 | 15:00 | 42.6 | 38.9 | 63.0 | |
| 07:45 | 15:00 | 45.9 | 40.5 | 61.1 | |
| 08:00 | 15:00 | 45.8 | 40.5 | 58.2 | |
| 08:15 | 15:00 | 47.7 | 41.5 | 72.8 | |
| 08:30 | 15:00 | 44.8 | 41.4 | 52.0 | |
| 08:45 | 15:00 | 43.3 | 39.6 | 52.2 | |
| 09:00 | 15:00 | 43.0 | 38.4 | 59.6 | |
| 09:15 | 15:00 | 40.6 | 37.8 | 53.4 | |
| 09:30 | 15:00 | 41.3 | 38.4 | 53.5 | |
| 09:45 | 15:00 | 42.4 | 38.7 | 61.8 | |
| 10:00 | 15:00 | 41.2 | 38.9 | 54.7 | |
| 10:15 | 15:00 | 42.4 | 38.2 | 58.0 | |
| 10:30 | 15:00 | 43.5 | 38.8 | 60.7 | |
| 10:45 | 15:00 | 41.9 | 39.0 | 50.8 | |
| 11:00 | 15:00 | 41.5 | 38.5 | 57.1 | |
| 11:15 | 15:00 | 42.1 | 38.3 | 54.6 | |
| 11:30 | 15:00 | 43.5 | 40.4 | 56.5 | |
| 11:45 | 15:00 | 42.9 | 40.2 | 55.6 | |
| 12:00 | 15:00 | 43.2 | 40.2 | 56.2 | |
| 12:15 | 15:00 | 43.0 | 40.7 | 51.8 | |
| 12:30 | 15:00 | 44.8 | 41.1 | 60.6 | |
| 12:45 | 15:00 | 43.9 | 41.0 | 57.0 | |
| 13:00 | 15:00 | 41.8 | 39.5 | 53.5 | |
| 13:15 | 15:00 | 42.8 | 40.4 | 52.6 | |
| 13:30 | 15:00 | 42.0 | 39.1 | 54.2 | |
| 13:45 | 15:00 | 41.2 | 39.0 | 51.1 | |
| 14:00 | 15:00 | 41.8 | 39.2 | 50.8 | |
| 14:15 | 15:00 | 43.3 | 39.4 | 60.4 | |
| 14:30 | 15:00 | 44.6 | 40.5 | 62.4 | |
| 14:45 | 15:00 | 43.1 | 40.8 | 58.0 | |
| Log Average 0700-1500 | | 43.2 | 39.6 | 51-73 | |
| Average 0700-1500 | | 43.0 | 39.6 | 51-73 | |

Noise Survey Results

Date: Sunday 1st August 2021
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: **Baseline Sound Survey**
Data: **Position 8 - Manatton Llywyn-y-cil**
Instrumentation: Cirrus 171B Real Time Analyser (G056142)
Calibration: 94dB

TABLE 161

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 45.4 | 41.3 | 60.8 | |
| 15:15 | 15:00 | 43.9 | 42.1 | 54.0 | |
| 15:30 | 15:00 | 44.0 | 42.1 | 56.3 | |
| 15:45 | 15:00 | 44.4 | 41.9 | 58.8 | |
| 16:00 | 15:00 | 43.6 | 41.2 | 57.1 | |
| 16:15 | 15:00 | 43.2 | 40.8 | 62.1 | |
| 16:30 | 15:00 | 43.6 | 40.7 | 58.0 | |
| 16:45 | 15:00 | 44.8 | 41.9 | 61.6 | |
| 17:00 | 15:00 | 43.5 | 41.1 | 57.1 | |
| 17:15 | 15:00 | 43.2 | 41.1 | 54.5 | |
| 17:30 | 15:00 | 43.1 | 41.2 | 53.7 | |
| 17:45 | 15:00 | 43.1 | 40.8 | 60.4 | |
| 18:00 | 15:00 | 43.6 | 41.0 | 60.7 | |
| 18:15 | 15:00 | 43.7 | 41.3 | 58.6 | |
| 18:30 | 15:00 | 43.2 | 41.1 | 57.5 | |
| 18:45 | 15:00 | 43.3 | 40.5 | 54.5 | |
| 19:00 | 15:00 | 42.8 | 40.6 | 60.0 | |
| 19:15 | 15:00 | 43.4 | 41.0 | 61.4 | |
| 19:30 | 15:00 | 43.4 | 41.1 | 62.2 | |
| 19:45 | 15:00 | 43.7 | 41.4 | 59.7 | |
| 20:00 | 15:00 | 51.4 | 41.9 | 68.6 | |
| 20:15 | 15:00 | 47.1 | 41.8 | 61.1 | |
| 20:30 | 15:00 | 47.3 | 41.2 | 65.4 | |
| 20:45 | 15:00 | 43.5 | 41.5 | 61.8 | |
| 21:00 | 15:00 | 42.5 | 40.7 | 55.0 | |
| 21:15 | 15:00 | 42.2 | 40.5 | 55.7 | |
| 21:30 | 15:00 | 42.6 | 40.7 | 54.7 | |
| 21:45 | 15:00 | 42.2 | 40.0 | 56.7 | |
| 22:00 | 15:00 | 41.5 | 40.3 | 51.8 | |
| 22:15 | 15:00 | 41.3 | 40.1 | 48.4 | |
| 22:30 | 15:00 | 41.1 | 40.0 | 45.7 | |
| 22:45 | 15:00 | 40.4 | 39.1 | 52.2 | |
| Log Average 1500-2300 | | 44.2 | 41.0 | 46-69 | |
| Average 1500-2300 | | 43.6 | 41.0 | 46-69 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 162

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 41.1 | 39.8 | 45.5 | |
| 23:15 | 15:00 | 39.4 | 37.8 | 51.1 | |
| 23:30 | 15:00 | 37.9 | 36.1 | 48.4 | |
| 23:45 | 15:00 | 37.2 | 35.7 | 46.8 | |
| 00:00 | 15:00 | 38.4 | 36.9 | 46.3 | |
| 00:15 | 15:00 | 38.5 | 37.6 | 44.9 | |
| 00:30 | 15:00 | 37.2 | 35.6 | 46.5 | |
| 00:45 | 15:00 | 36.2 | 35.2 | 40.9 | |
| 01:00 | 15:00 | 36.8 | 35.7 | 45.5 | |
| 01:15 | 15:00 | 40.5 | 36.3 | 56.4 | |
| 01:30 | 15:00 | 37.8 | 36.7 | 40.7 | |
| 01:45 | 15:00 | 37.8 | 36.8 | 44.1 | |
| 02:00 | 15:00 | 37.2 | 36.0 | 40.6 | |
| 02:15 | 15:00 | 35.8 | 34.7 | 39.4 | |
| 02:30 | 15:00 | 36.5 | 35.6 | 46.9 | |
| 02:45 | 15:00 | 36.9 | 35.9 | 42.2 | |
| 03:00 | 15:00 | 37.0 | 36.0 | 39.8 | |
| 03:15 | 15:00 | 37.1 | 35.9 | 40.6 | |
| 03:30 | 15:00 | 36.6 | 35.5 | 41.0 | |
| 03:45 | 15:00 | 36.6 | 35.4 | 39.9 | |
| 04:00 | 15:00 | 38.8 | 34.1 | 65.1 | |
| 04:15 | 15:00 | 35.5 | 34.5 | 39.1 | |
| 04:30 | 15:00 | 37.8 | 36.4 | 46.8 | |
| 04:45 | 15:00 | 38.2 | 35.4 | 55.5 | |
| 05:00 | 15:00 | 41.9 | 36.1 | 62.1 | |
| 05:15 | 15:00 | 40.1 | 36.2 | 61.8 | |
| 05:30 | 15:00 | 42.4 | 35.3 | 58.8 | |
| 05:45 | 15:00 | 44.0 | 39.3 | 59.8 | |
| 06:00 | 15:00 | 42.3 | 38.4 | 59.5 | |
| 06:15 | 15:00 | 40.4 | 36.6 | 55.7 | |
| 06:30 | 15:00 | 40.0 | 36.6 | 52.1 | |
| 06:45 | 15:00 | 40.1 | 36.7 | 61.4 | |
| Log Average 2300-0700 | | 39.1 | 36.4 | 39-65 | |
| Average 2300-0700 | | 38.6 | 36.3 | 39-65 | |
| Average 0700-2300 | | 43.8 | 40.4 | 46-73 | |

Noise Survey Results

Date: Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 163

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 42.1 | 36.9 | 64.7 | |
| 07:15 | 15:00 | 42.2 | 37.3 | 60.7 | |
| 07:30 | 15:00 | 40.1 | 36.9 | 55.8 | |
| 07:45 | 15:00 | 41.5 | 37.8 | 54.6 | |
| 08:00 | 15:00 | 40.6 | 37.9 | 57.0 | |
| 08:15 | 15:00 | 40.4 | 37.9 | 56.7 | |
| 08:30 | 15:00 | 40.8 | 38.8 | 52.0 | |
| 08:45 | 15:00 | 41.8 | 40.5 | 54.3 | |
| 09:00 | 15:00 | 43.2 | 41.4 | 56.9 | |
| 09:15 | 15:00 | 42.4 | 40.5 | 59.8 | |
| 09:30 | 15:00 | 41.3 | 39.3 | 51.4 | |
| 09:45 | 15:00 | 42.3 | 40.5 | 55.8 | |
| 10:00 | 15:00 | 42.2 | 39.3 | 55.1 | |
| 10:15 | 15:00 | 41.5 | 39.4 | 52.8 | |
| 10:30 | 15:00 | 41.6 | 39.2 | 51.5 | |
| 10:45 | 15:00 | 42.2 | 38.5 | 57.8 | |
| 11:00 | 15:00 | 43.2 | 39.2 | 62.0 | |
| 11:15 | 15:00 | 41.7 | 38.4 | 52.3 | |
| 11:30 | 15:00 | 41.7 | 38.8 | 53.8 | |
| 11:45 | 15:00 | 43.0 | 40.5 | 54.9 | |
| 12:00 | 15:00 | 43.4 | 40.1 | 58.8 | |
| 12:15 | 15:00 | 42.2 | 39.8 | 52.6 | |
| 12:30 | 15:00 | 42.3 | 39.2 | 54.9 | |
| 12:45 | 15:00 | 43.6 | 38.6 | 65.3 | |
| 13:00 | 15:00 | 41.5 | 38.9 | 55.2 | |
| 13:15 | 15:00 | 40.6 | 39.3 | 50.3 | |
| 13:30 | 15:00 | 42.6 | 40.1 | 55.0 | |
| 13:45 | 15:00 | 42.9 | 40.0 | 56.3 | |
| 14:00 | 15:00 | 44.8 | 41.7 | 61.0 | |
| 14:15 | 15:00 | 47.0 | 44.7 | 64.1 | |
| 14:30 | 15:00 | 45.9 | 42.8 | 61.6 | |
| 14:45 | 15:00 | 45.0 | 43.0 | 62.7 | |
| Log Average 0700-1500 | | 42.7 | 39.9 | 50-65 | |
| Average 0700-1500 | | 42.4 | 39.6 | 50-65 | |

Noise Survey Results

Date: Monday 2nd August 2021

TABLE 164

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 45.5 | 42.0 | 64.5 | |
| 15:15 | 15:00 | 45.4 | 41.9 | 68.0 | |
| 15:30 | 15:00 | 43.4 | 41.5 | 60.2 | |
| 15:45 | 15:00 | 43.5 | 41.3 | 55.7 | |
| 16:00 | 15:00 | 42.8 | 40.9 | 53.9 | |
| 16:15 | 15:00 | 44.1 | 41.4 | 68.1 | |
| 16:30 | 15:00 | 43.8 | 41.3 | 62.9 | |
| 16:45 | 15:00 | 45.2 | 41.8 | 60.8 | |
| 17:00 | 15:00 | 44.6 | 42.3 | 58.7 | |
| 17:15 | 15:00 | 44.3 | 42.7 | 56.3 | |
| 17:30 | 15:00 | 43.2 | 41.3 | 55.6 | |
| 17:45 | 15:00 | 43.0 | 41.5 | 58.6 | |
| 18:00 | 15:00 | 42.7 | 41.2 | 51.8 | |
| 18:15 | 15:00 | 45.0 | 41.1 | 60.0 | |
| 18:30 | 15:00 | 44.0 | 42.0 | 60.2 | |
| 18:45 | 15:00 | 42.7 | 41.6 | 50.5 | |
| 19:00 | 15:00 | 43.4 | 41.5 | 58.5 | |
| 19:15 | 15:00 | 42.0 | 40.6 | 50.2 | |
| 19:30 | 15:00 | 48.3 | 40.1 | 63.6 | |
| 19:45 | 15:00 | 48.4 | 40.1 | 63.7 | |
| 20:00 | 15:00 | 46.7 | 40.2 | 62.8 | |
| 20:15 | 15:00 | 42.0 | 40.2 | 56.5 | |
| 20:30 | 15:00 | 42.9 | 40.4 | 59.7 | |
| 20:45 | 15:00 | 46.2 | 41.2 | 63.2 | |
| 21:00 | 15:00 | 43.4 | 41.0 | 57.8 | |
| 21:15 | 15:00 | 42.6 | 39.3 | 56.8 | |
| 21:30 | 15:00 | 44.1 | 39.5 | 60.2 | |
| 21:45 | 15:00 | 40.3 | 38.7 | 52.4 | |
| 22:00 | 15:00 | 39.0 | 37.7 | 52.0 | |
| 22:15 | 15:00 | 39.2 | 38.1 | 49.2 | |
| 22:30 | 15:00 | 39.2 | 37.9 | 46.1 | |
| 22:45 | 15:00 | 39.7 | 38.1 | 44.5 | |
| Log Average 1500-2300 | | 44.0 | 40.8 | 45-68 | |
| Average 1500-2300 | | 43.5 | 40.6 | 45-68 | |

Noise Survey Results

Date: Monday 2nd - Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

TABLE 165

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 40.3 | 39.0 | 43.7 | |
| 23:15 | 15:00 | 39.5 | 38.6 | 44.9 | |
| 23:30 | 15:00 | 39.9 | 38.9 | 44.7 | |
| 23:45 | 15:00 | 39.5 | 38.6 | 46.3 | |
| 00:00 | 15:00 | 39.8 | 38.6 | 45.8 | |
| 00:15 | 15:00 | 40.2 | 39.0 | 50.6 | |
| 00:30 | 15:00 | 41.9 | 38.9 | 60.4 | |
| 00:45 | 15:00 | 39.7 | 38.9 | 43.5 | |
| 01:00 | 15:00 | 37.1 | 35.8 | 41.0 | |
| 01:15 | 15:00 | 37.5 | 36.4 | 48.1 | |
| 01:30 | 15:00 | 38.0 | 37.2 | 40.7 | |
| 01:45 | 15:00 | 40.4 | 38.7 | 46.0 | |
| 02:00 | 15:00 | 41.7 | 40.7 | 47.6 | |
| 02:15 | 15:00 | 39.9 | 39.0 | 44.1 | |
| 02:30 | 15:00 | 41.8 | 40.4 | 61.0 | |
| 02:45 | 15:00 | 40.5 | 39.3 | 48.8 | |
| 03:00 | 15:00 | 40.2 | 39.2 | 46.8 | |
| 03:15 | 15:00 | 41.8 | 40.2 | 46.8 | |
| 03:30 | 15:00 | 41.9 | 40.4 | 45.8 | |
| 03:45 | 15:00 | 49.7 | 41.9 | 66.3 | |
| 04:00 | 15:00 | 43.3 | 42.2 | 47.2 | |
| 04:15 | 15:00 | 44.3 | 43.3 | 48.9 | |
| 04:30 | 15:00 | 43.4 | 42.4 | 49.2 | |
| 04:45 | 15:00 | 44.6 | 43.0 | 68.7 | |
| 05:00 | 15:00 | 44.0 | 41.9 | 60.0 | |
| 05:15 | 15:00 | 43.7 | 42.0 | 51.4 | |
| 05:30 | 15:00 | 44.9 | 43.3 | 54.9 | |
| 05:45 | 15:00 | 44.5 | 43.0 | 54.2 | |
| 06:00 | 15:00 | 43.8 | 42.3 | 55.7 | |
| 06:15 | 15:00 | 43.6 | 41.6 | 57.5 | |
| 06:30 | 15:00 | 42.5 | 40.9 | 55.0 | |
| 06:45 | 15:00 | 44.4 | 41.9 | 56.4 | |
| Log Average 2300-0700 | | 42.6 | 40.6 | 41-69 | |
| Average 2300-0700 | | 41.8 | 40.2 | 41-69 | |
| Average 0700-2300 | | 43.4 | 40.4 | 45-68 | |

Noise Survey Results

Date: Tuesday 3rd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 166

Client: Kronospan Ltd

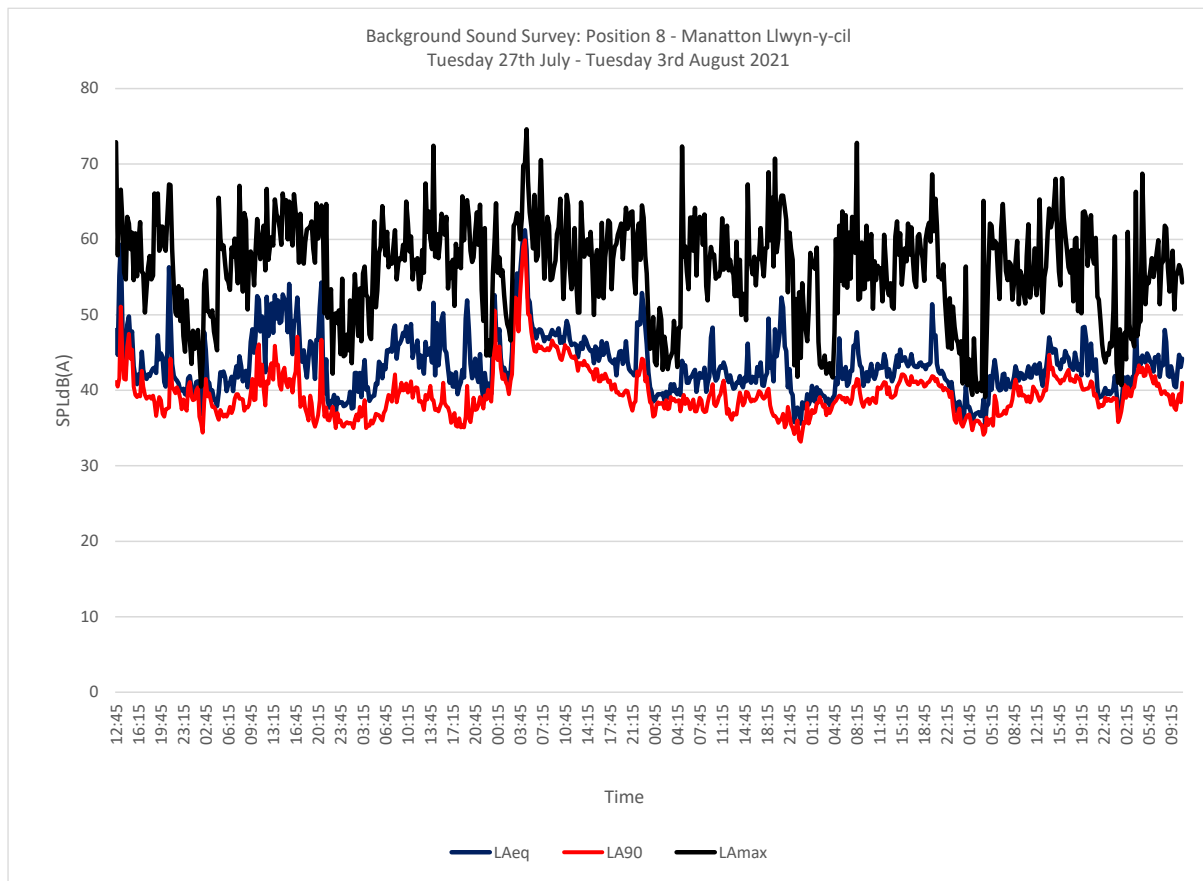
Project: **Baseline Sound Survey**

Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

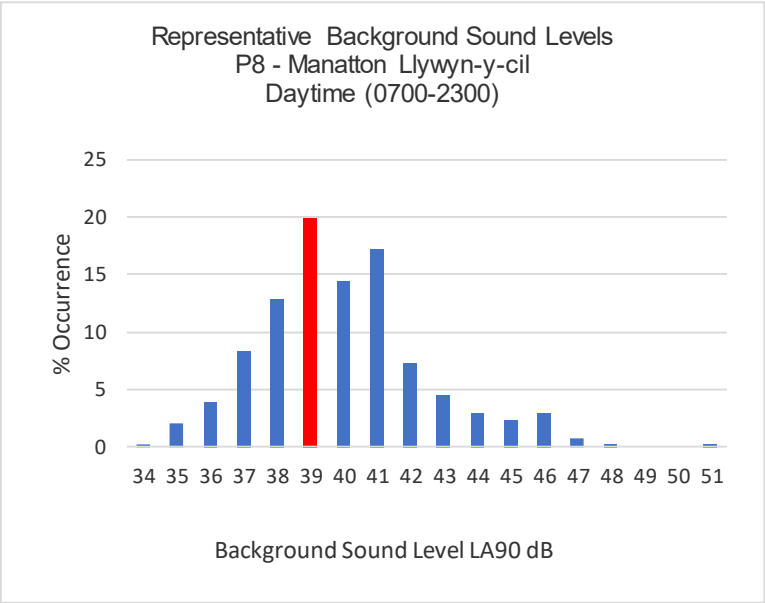
Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 44.0 | 40.6 | 58.2 | |
| 07:15 | 15:00 | 44.7 | 40.9 | 59.9 | |
| 07:30 | 15:00 | 41.8 | 40.3 | 51.4 | |
| 07:45 | 15:00 | 43.5 | 39.5 | 56.8 | |
| 08:00 | 15:00 | 43.3 | 39.8 | 57.1 | |
| 08:15 | 15:00 | 48.0 | 39.9 | 61.8 | |
| 08:30 | 15:00 | 46.4 | 39.5 | 61.5 | |
| 08:45 | 15:00 | 42.0 | 39.5 | 56.3 | |
| 09:00 | 15:00 | 41.8 | 39.0 | 53.1 | |
| 09:15 | 15:00 | 43.2 | 38.1 | 55.2 | |
| 09:30 | 15:00 | 42.2 | 39.5 | 58.5 | |
| 09:45 | 15:00 | 40.6 | 37.7 | 50.7 | |
| 10:00 | 15:00 | 40.4 | 37.4 | 55.2 | |
| 10:15 | 15:00 | 42.5 | 38.6 | 55.5 | |
| 10:30 | 15:00 | 44.7 | 39.5 | 56.6 | |
| 10:45 | 15:00 | 43.1 | 38.4 | 56.0 | |
| 11:00 | 15:00 | 44.2 | 41.0 | 54.3 | |
| Log Average 0700-0945 | | 43.7 | 39.4 | 51-62 | |
| Average 0700-0945 | | 43.3 | 39.4 | 51-62 | |
| Overall Log Average | | 46.0 | 43.6 | 39-75 | With Rain |
| Overall Log Average | | 45.8 | 41.4 | 42-75 | With Rain |
| | | | | | |
| Overall Log Average | | 45.0 | 42.5 | 39-75 | No Rain |
| Overall Log Average | | 45.7 | 40.7 | 42-75 | No Rain |

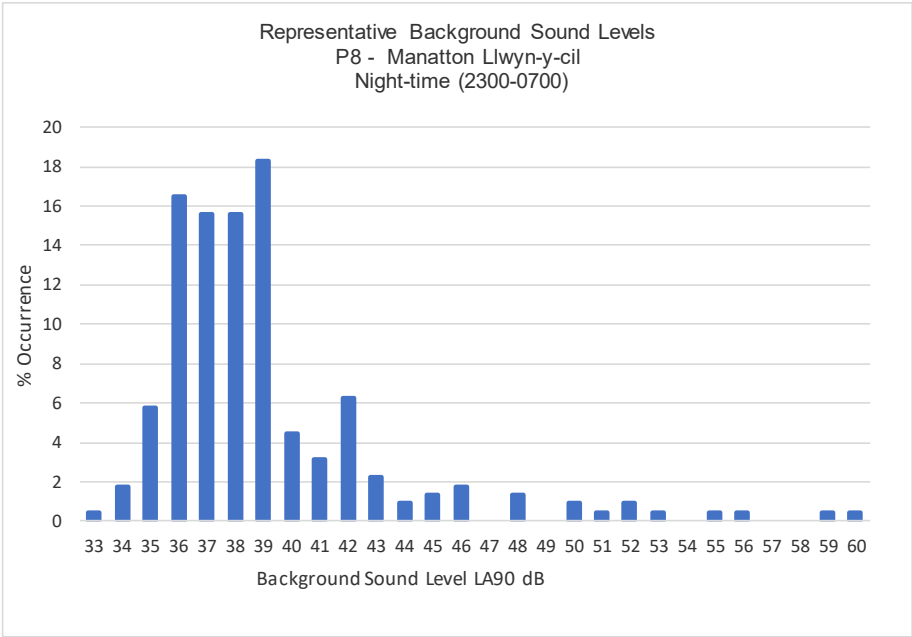


LA90 Representative Levels

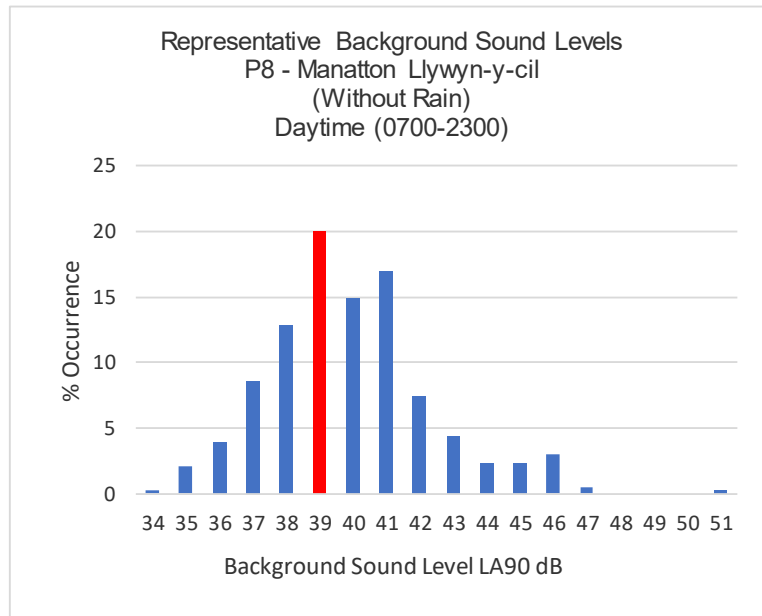
| LA90 | % Occurrence |
|------|--------------|
| 34 | 0.2 |
| 35 | 2.0 |
| 36 | 3.8 |
| 37 | 8.4 |
| 38 | 12.9 |
| 39 | 19.9 |
| 40 | 14.5 |
| 41 | 17.2 |
| 42 | 7.2 |
| 43 | 4.5 |
| 44 | 2.9 |
| 45 | 2.3 |
| 46 | 2.9 |
| 47 | 0.7 |
| 48 | 0.2 |
| 49 | 0.0 |
| 50 | 0.0 |
| 51 | 0.2 |



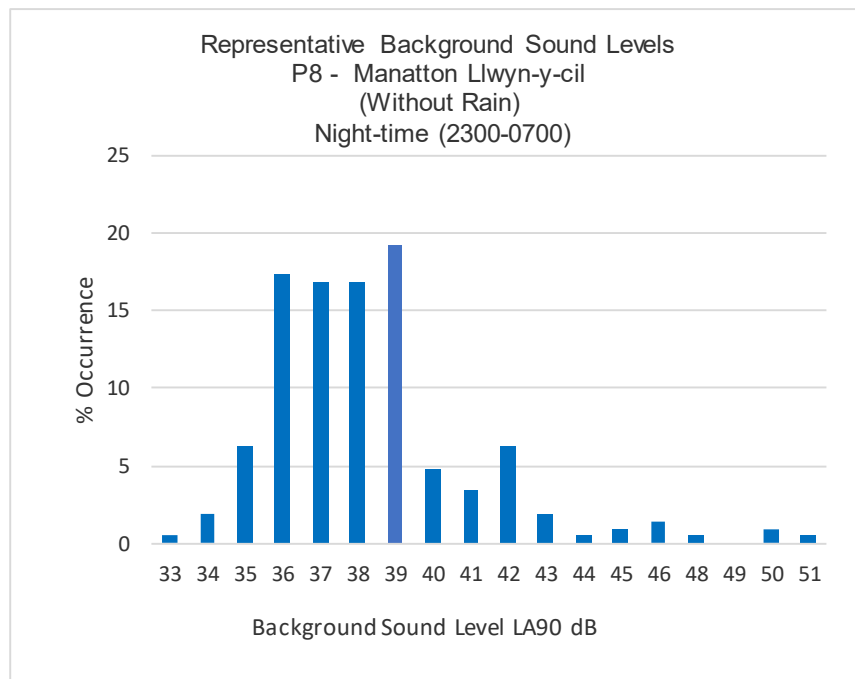
| LA90 | % Occurrence |
|------|--------------|
| 33 | 0.4 |
| 34 | 1.8 |
| 35 | 5.8 |
| 36 | 16.5 |
| 37 | 15.6 |
| 38 | 15.6 |
| 39 | 18.3 |
| 40 | 4.5 |
| 41 | 3.1 |
| 42 | 6.3 |
| 43 | 2.2 |
| 44 | 0.9 |
| 45 | 1.3 |
| 46 | 1.8 |
| 47 | 0.0 |
| 48 | 1.3 |
| 49 | 0.0 |
| 50 | 0.9 |
| 51 | 0.4 |
| 52 | 0.9 |
| 53 | 0.4 |
| 54 | 0.0 |
| 55 | 0.4 |
| 56 | 0.4 |
| 57 | 0.0 |
| 58 | 0.0 |
| 59 | 0.4 |
| 60 | 0.4 |



| LA90 | % Occurrence |
|-----------|--------------|
| 34 | 0.2 |
| 35 | 2.1 |
| 36 | 4.0 |
| 37 | 8.6 |
| 38 | 12.8 |
| 39 | 20.0 |
| 40 | 14.9 |
| 41 | 17.0 |
| 42 | 7.5 |
| 43 | 4.4 |
| 44 | 2.3 |
| 45 | 2.3 |
| 46 | 3.0 |
| 47 | 0.5 |
| 48 | 0.0 |
| 49 | 0.0 |
| 50 | 0.0 |
| 51 | 0.2 |



| LA90 | % Occurrence |
|-----------|--------------|
| 33 | 0.5 |
| 34 | 1.9 |
| 35 | 6.3 |
| 36 | 17.3 |
| 37 | 16.8 |
| 38 | 16.8 |
| 39 | 19.2 |
| 40 | 4.8 |
| 41 | 3.4 |
| 42 | 6.3 |
| 43 | 1.9 |
| 44 | 0.5 |
| 45 | 1.0 |
| 46 | 1.4 |
| 48 | 0.5 |
| 49 | 0.0 |
| 50 | 1.0 |
| 51 | 0.5 |



Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 167

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 09:00 | 15:00 | 58.1 | 40.0 | 87.2 | |
| 09:15 | 15:00 | 58.4 | 41.7 | 86.0 | |
| 09:30 | 15:00 | 48.3 | 43.0 | 71.8 | |
| 09:45 | 15:00 | 46.8 | 42.5 | 66.8 | |
| 10:00 | 15:00 | 45.1 | 42.6 | 59.8 | |
| 10:15 | 15:00 | 45.5 | 42.6 | 57.8 | |
| 10:30 | 15:00 | 46.0 | 43.1 | 67.2 | |
| 10:45 | 15:00 | 53.2 | 43.1 | 75.8 | |
| 11:00 | 15:00 | 47.8 | 42.3 | 66.3 | |
| 11:15 | 15:00 | 45.4 | 42.1 | 63.5 | |
| 11:30 | 15:00 | 46.1 | 42.6 | 63.5 | |
| 11:45 | 15:00 | 46.1 | 42.5 | 63.3 | |
| 12:00 | 15:00 | 48.3 | 41.4 | 69.5 | |
| 12:15 | 15:00 | 45.6 | 39.6 | 64.0 | |
| 12:30 | 15:00 | 40.6 | 36.5 | 58.7 | Rain |
| 12:45 | 15:00 | 44.2 | 35.7 | 65.9 | |
| 13:00 | 15:00 | 47.4 | 39.2 | 61.4 | |
| 13:15 | 15:00 | 53.2 | 42.2 | 65.6 | |
| 13:30 | 15:00 | 48.8 | 39.2 | 68.7 | |
| 13:45 | 15:00 | 45.1 | 42.3 | 57.9 | Rain |
| 14:00 | 15:00 | 47.0 | 43.5 | 62.6 | |
| 14:15 | 15:00 | 50.3 | 44.4 | 74.1 | |
| 14:30 | 15:00 | 45.9 | 42.9 | 63.3 | |
| 14:45 | 15:00 | 65.7 | 39.9 | 96.3 | Rain |
| Log Average 0900-1500 | | 54.2 | 41.8 | 58-96 | |
| Average 0900-1500 | | 48.7 | 41.5 | 58-96 | |

Noise Survey Results

Date: Tuesday 27th July 2021

TABLE 168

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 47.6 | 37.7 | 63.9 | Rain |
| 15:15 | 15:00 | 44.3 | 37.0 | 67.5 | |
| 15:30 | 15:00 | 39.4 | 36.9 | 54.6 | |
| 15:45 | 15:00 | 42.3 | 36.7 | 66.3 | |
| 16:00 | 15:00 | 43.7 | 39.2 | 65.7 | |
| 16:15 | 15:00 | 44.6 | 40.5 | 63.4 | |
| 16:30 | 15:00 | 45.9 | 41.8 | 65.0 | |
| 16:45 | 15:00 | 45.5 | 40.6 | 68.0 | |
| 17:00 | 15:00 | 44.4 | 40.8 | 58.3 | |
| 17:15 | 15:00 | 45.1 | 41.1 | 62.3 | Rain |
| 17:30 | 15:00 | 45.5 | 42.4 | 59.9 | |
| 17:45 | 15:00 | 45.5 | 42.8 | 67.4 | |
| 18:00 | 15:00 | 44.7 | 42.6 | 58.6 | |
| 18:15 | 15:00 | 45.1 | 43.0 | 62.2 | |
| 18:30 | 15:00 | 44.2 | 42.8 | 57.1 | |
| 18:45 | 15:00 | 44.3 | 41.5 | 64.0 | |
| 19:00 | 15:00 | 45.0 | 42.0 | 60.1 | |
| 19:15 | 15:00 | 47.0 | 43.5 | 71.2 | |
| 19:30 | 15:00 | 46.0 | 44.5 | 60.5 | |
| 19:45 | 15:00 | 45.9 | 43.8 | 63.1 | |
| 20:00 | 15:00 | 44.9 | 43.5 | 57.0 | |
| 20:15 | 15:00 | 44.5 | 42.7 | 60.1 | |
| 20:30 | 15:00 | 45.1 | 42.3 | 56.8 | |
| 20:45 | 15:00 | 59.7 | 41.3 | 72.0 | |
| 21:00 | 15:00 | 44.3 | 38.4 | 66.7 | |
| 21:15 | 15:00 | 42.2 | 39.2 | 63.4 | Rain |
| 21:30 | 15:00 | 38.4 | 36.5 | 56.7 | |
| 21:45 | 15:00 | 37.1 | 36.2 | 53.4 | |
| 22:00 | 15:00 | 37.3 | 35.7 | 57.1 | |
| 22:15 | 15:00 | 38.1 | 36.7 | 52.3 | |
| 22:30 | 15:00 | 42.2 | 39.8 | 54.5 | |
| 22:45 | 15:00 | 41.3 | 39.5 | 49.8 | |
| Log Average 1500-2300 | | 47.4 | 41.0 | 50-72 | |
| Average 1500-2300 | | 44.1 | 40.4 | 50-72 | |

Noise Survey Results

Date: Tuesday 27th- Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 169

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 40.8 | 38.1 | 56.4 | |
| 23:15 | 15:00 | 38.1 | 35.6 | 53.2 | |
| 23:30 | 15:00 | 39.9 | 36.4 | 48.9 | |
| 23:45 | 15:00 | 39.2 | 35.8 | 50.6 | |
| 00:00 | 15:00 | 38.2 | 35.4 | 49.9 | |
| 00:15 | 15:00 | 37.6 | 34.3 | 51.3 | |
| 00:30 | 15:00 | 37.1 | 34.0 | 53.4 | |
| 00:45 | 15:00 | 38.1 | 34.2 | 54.7 | |
| 01:00 | 15:00 | 39.4 | 36.9 | 56.7 | |
| 01:15 | 15:00 | 40.3 | 37.2 | 53.2 | |
| 01:30 | 15:00 | 41.3 | 36.0 | 57.9 | |
| 01:45 | 15:00 | 44.3 | 38.1 | 55.5 | |
| 02:00 | 15:00 | 40.0 | 35.7 | 54.1 | |
| 02:15 | 15:00 | 41.8 | 36.3 | 57.8 | |
| 02:30 | 15:00 | 42.9 | 39.5 | 58.8 | |
| 02:45 | 15:00 | 39.4 | 37.4 | 48.2 | Rain |
| 03:00 | 15:00 | 38.4 | 37.4 | 46.6 | Rain |
| 03:15 | 15:00 | 38.9 | 37.7 | 48.7 | |
| 03:30 | 15:00 | 39.2 | 38.1 | 45.7 | |
| 03:45 | 15:00 | 39.9 | 38.3 | 49.3 | |
| 04:00 | 15:00 | 39.5 | 37.8 | 47.0 | |
| 04:15 | 15:00 | 39.6 | 37.7 | 46.8 | |
| 04:30 | 15:00 | 40.2 | 38.6 | 46.6 | |
| 04:45 | 15:00 | 40.2 | 38.3 | 50.6 | |
| 05:00 | 15:00 | 39.9 | 38.3 | 49.6 | |
| 05:15 | 15:00 | 39.7 | 38.2 | 46.1 | |
| 05:30 | 15:00 | 39.9 | 38.2 | 49.1 | |
| 05:45 | 15:00 | 40.5 | 37.7 | 60.0 | |
| 06:00 | 15:00 | 37.8 | 37.2 | 48.9 | |
| 06:15 | 15:00 | 39.4 | 37.3 | 60.4 | |
| 06:30 | 15:00 | 38.9 | 37.6 | 60.3 | |
| 06:45 | 15:00 | 43.6 | 37.9 | 60.8 | |
| Log Average 2300-0700 | | 40.1 | 37.2 | 46-61 | |
| Average 2300-0700 | | 39.8 | 37.1 | 46-61 | |
| Average 0900-2300 | | 51.2 | 41.4 | 50-96 | |

Noise Survey Results

Date: Wednesday 28th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 170

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 43.2 | 38.5 | 58.7 | |
| 07:15 | 15:00 | 42.8 | 39.0 | 56.4 | |
| 07:30 | 15:00 | 41.2 | 38.7 | 54.1 | |
| 07:45 | 15:00 | 39.6 | 38.5 | 53.8 | |
| 08:00 | 15:00 | 39.4 | 38.3 | 51.9 | |
| 08:15 | 15:00 | 39.0 | 37.7 | 47.0 | |
| 08:30 | 15:00 | 51.5 | 37.8 | 62.8 | |
| 08:45 | 15:00 | 44.1 | 39.3 | 61.7 | |
| 09:00 | 15:00 | 44.5 | 40.2 | 66.6 | |
| 09:15 | 15:00 | 46.6 | 40.7 | 69.2 | |
| 09:30 | 15:00 | 48.8 | 40.1 | 72.0 | |
| 09:45 | 15:00 | 44.7 | 39.2 | 69.5 | |
| 10:00 | 15:00 | 42.9 | 37.3 | 58.8 | |
| 10:15 | 15:00 | 47.2 | 39.8 | 70.3 | |
| 10:30 | 15:00 | 46.3 | 41.6 | 56.3 | |
| 10:45 | 15:00 | 44.5 | 40.1 | 57.6 | |
| 11:00 | 15:00 | 45.5 | 40.0 | 58.0 | |
| 11:15 | 15:00 | 55.1 | 42.8 | 68.3 | |
| 11:30 | 15:00 | 49.2 | 41.6 | 69.6 | |
| 11:45 | 15:00 | 47.4 | 42.2 | 68.6 | |
| 12:00 | 15:00 | 47.5 | 42.5 | 67.0 | Rain |
| 12:15 | 15:00 | 46.4 | 42.6 | 56.4 | |
| 12:30 | 15:00 | 46.4 | 41.6 | 63.8 | Rain |
| 12:45 | 15:00 | 46.3 | 42.2 | 60.0 | |
| 13:00 | 15:00 | 47.2 | 41.4 | 63.3 | |
| 13:15 | 15:00 | 50.0 | 41.5 | 69.5 | |
| 13:30 | 15:00 | 43.8 | 40.3 | 56.9 | |
| 13:45 | 15:00 | 45.6 | 39.8 | 62.0 | |
| 14:00 | 15:00 | 46.6 | 40.3 | 63.1 | Rain |
| 14:15 | 15:00 | 45.8 | 39.5 | 69.1 | |
| 14:30 | 15:00 | 49.4 | 39.7 | 72.0 | |
| 14:45 | 15:00 | 48.0 | 39.5 | 77.3 | |
| Log Average 0700-1500 | | 47.2 | 40.3 | 47-77 | |
| Average 0700-1500 | | 45.8 | 40.1 | 47-77 | |

Noise Survey Results

Date: Wednesday 28th July 2021

TABLE 171

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 59.7 | 41.1 | 87.8 | |
| 15:15 | 15:00 | 47.3 | 37.2 | 69.9 | |
| 15:30 | 15:00 | 49.1 | 42.6 | 62.3 | |
| 15:45 | 15:00 | 42.9 | 38.5 | 58.8 | |
| 16:00 | 15:00 | 44.8 | 39.2 | 67.7 | |
| 16:15 | 15:00 | 45.2 | 39.3 | 61.1 | |
| 16:30 | 15:00 | 48.0 | 42.9 | 63.7 | |
| 16:45 | 15:00 | 51.0 | 45.9 | 66.8 | |
| 17:00 | 15:00 | 47.2 | 38.7 | 64.6 | |
| 17:15 | 15:00 | 43.7 | 38.2 | 61.4 | |
| 17:30 | 15:00 | 43.7 | 38.1 | 60.0 | Rain |
| 17:45 | 15:00 | 44.3 | 38.3 | 63.6 | |
| 18:00 | 15:00 | 45.5 | 39.4 | 69.8 | |
| 18:15 | 15:00 | 42.1 | 36.6 | 64.8 | |
| 18:30 | 15:00 | 41.2 | 37.6 | 59.3 | |
| 18:45 | 15:00 | 46.2 | 37.8 | 70.4 | |
| 19:00 | 15:00 | 40.7 | 37.1 | 55.7 | |
| 19:15 | 15:00 | 40.7 | 36.4 | 52.9 | |
| 19:30 | 15:00 | 40.9 | 36.5 | 55.9 | |
| 19:45 | 15:00 | 44.4 | 38.2 | 57.5 | |
| 20:00 | 15:00 | 48.7 | 38.0 | 72.4 | |
| 20:15 | 15:00 | 48.3 | 40.4 | 71.4 | |
| 20:30 | 15:00 | 41.1 | 35.6 | 54.6 | |
| 20:45 | 15:00 | 38.5 | 36.5 | 46.7 | Rain |
| 21:00 | 15:00 | 41.4 | 36.4 | 64.8 | Rain |
| 21:15 | 15:00 | 40.1 | 36.2 | 52.1 | |
| 21:30 | 15:00 | 37.7 | 35.1 | 53.1 | |
| 21:45 | 15:00 | 36.4 | 33.4 | 50.6 | |
| 22:00 | 15:00 | 38.3 | 36.1 | 53.6 | |
| 22:15 | 15:00 | 39.9 | 37.7 | 48.4 | |
| 22:30 | 15:00 | 44.8 | 42.9 | 56.1 | |
| 22:45 | 15:00 | 42.1 | 40.4 | 49.0 | |
| Log Average 1500-2300 | | 47.7 | 39.2 | 47-88 | |
| Average 1500-2300 | | 43.9 | 38.4 | 47-88 | |

Noise Survey Results

Date: Wednesday 28th to Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 172

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 40.3 | 37.3 | 61.0 | Rain |
| 23:15 | 15:00 | 37.9 | 35.3 | 45.9 | |
| 23:30 | 15:00 | 39.1 | 36.0 | 45.9 | |
| 23:45 | 15:00 | 38.9 | 35.7 | 47.0 | |
| 00:00 | 15:00 | 37.8 | 34.6 | 50.0 | |
| 00:15 | 15:00 | 37.5 | 34.0 | 45.2 | |
| 00:30 | 15:00 | 36.4 | 33.6 | 43.9 | |
| 00:45 | 15:00 | 38.0 | 34.1 | 48.4 | |
| 01:00 | 15:00 | 39.9 | 36.2 | 53.0 | |
| 01:15 | 15:00 | 40.7 | 37.1 | 51.7 | |
| 01:30 | 15:00 | 41.1 | 36.5 | 53.8 | |
| 01:45 | 15:00 | 43.7 | 38.5 | 53.4 | |
| 02:00 | 15:00 | 39.7 | 35.5 | 52.2 | |
| 02:15 | 15:00 | 42.1 | 36.7 | 54.3 | |
| 02:30 | 15:00 | 43.4 | 39.3 | 58.8 | |
| 02:45 | 15:00 | 42.7 | 38.6 | 53.8 | |
| 03:00 | 15:00 | 43.8 | 38.0 | 60.4 | |
| 03:15 | 15:00 | 39.5 | 35.6 | 48.9 | |
| 03:30 | 15:00 | 38.8 | 34.5 | 52.1 | |
| 03:45 | 15:00 | 38.5 | 36.0 | 51.3 | |
| 04:00 | 15:00 | 37.6 | 35.5 | 50.7 | |
| 04:15 | 15:00 | 40.4 | 36.4 | 63.0 | |
| 04:30 | 15:00 | 38.6 | 35.6 | 51.6 | |
| 04:45 | 15:00 | 37.5 | 34.1 | 48.8 | |
| 05:00 | 15:00 | 38.3 | 34.9 | 53.0 | |
| 05:15 | 15:00 | 40.1 | 35.2 | 57.5 | |
| 05:30 | 15:00 | 38.9 | 35.4 | 54.7 | |
| 05:45 | 15:00 | 39.8 | 36.5 | 57.9 | |
| 06:00 | 15:00 | 45.3 | 36.5 | 71.6 | |
| 06:15 | 15:00 | 41.9 | 37.2 | 52.5 | |
| 06:30 | 15:00 | 42.1 | 37.5 | 55.9 | |
| 06:45 | 15:00 | 43.4 | 37.9 | 64.6 | |
| Log Average 2300-0700 | | 40.7 | 36.3 | 44-72 | |
| Average 2300-0700 | | 40.1 | 36.1 | 44-72 | |
| Average 0700-2300 | | 47.4 | 39.8 | 47-88 | |

Noise Survey Results

Date: Thursday 29th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 173

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 43.6 | 38.5 | 57.3 | |
| 07:15 | 15:00 | 46.4 | 39.2 | 64.8 | |
| 07:30 | 15:00 | 49.3 | 39.9 | 73.4 | |
| 07:45 | 15:00 | 52.1 | 39.9 | 76.0 | |
| 08:00 | 15:00 | 44.1 | 38.2 | 58.7 | |
| 08:15 | 15:00 | 43.0 | 39.2 | 57.7 | |
| 08:30 | 15:00 | 47.2 | 39.0 | 71.7 | |
| 08:45 | 15:00 | 42.0 | 37.7 | 56.6 | |
| 09:00 | 15:00 | 48.1 | 39.4 | 72.8 | |
| 09:15 | 15:00 | 43.3 | 38.5 | 55.1 | |
| 09:30 | 15:00 | 45.6 | 39.6 | 63.1 | |
| 09:45 | 15:00 | 47.1 | 40.9 | 64.3 | |
| 10:00 | 15:00 | 43.0 | 38.5 | 58.5 | |
| 10:15 | 15:00 | 48.3 | 40.8 | 65.5 | |
| 10:30 | 15:00 | 43.6 | 39.1 | 59.4 | |
| 10:45 | 15:00 | 49.6 | 41.5 | 70.2 | |
| 11:00 | 15:00 | 47.9 | 40.0 | 66.1 | |
| 11:15 | 15:00 | 43.1 | 37.7 | 57.7 | |
| 11:30 | 15:00 | 44.8 | 39.6 | 60.5 | |
| 11:45 | 15:00 | 45.4 | 38.3 | 67.4 | |
| 12:00 | 15:00 | 41.7 | 38.2 | 56.3 | |
| 12:15 | 15:00 | 48.2 | 37.6 | 67.6 | |
| 12:30 | 15:00 | 47.1 | 37.1 | 65.4 | |
| 12:45 | 15:00 | 46.5 | 36.6 | 68.6 | |
| 13:00 | 15:00 | 42.0 | 36.5 | 60.5 | |
| 13:15 | 15:00 | 41.8 | 36.7 | 58.9 | |
| 13:30 | 15:00 | 43.0 | 36.8 | 64.8 | |
| 13:45 | 15:00 | 41.5 | 36.7 | 53.9 | |
| 14:00 | 15:00 | 47.6 | 36.1 | 69.9 | |
| 14:15 | 15:00 | 45.0 | 37.1 | 65.9 | |
| 14:30 | 15:00 | 47.2 | 36.9 | 65.8 | |
| 14:45 | 15:00 | 47.6 | 36.3 | 69.6 | |
| Log Average 0700-1500 | | 46.3 | 38.6 | 54-76 | |
| Average 0700-1500 | | 45.5 | 38.4 | 54-76 | |

Noise Survey Results

Date: Thursday 29th July 2021

TABLE 174

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 49.6 | 37.0 | 71.6 | |
| 15:15 | 15:00 | 55.9 | 38.1 | 79.5 | |
| 15:30 | 15:00 | 45.5 | 38.4 | 63.1 | |
| 15:45 | 15:00 | 47.4 | 37.3 | 69.3 | |
| 16:00 | 15:00 | 49.4 | 36.6 | 74.0 | |
| 16:15 | 15:00 | 41.3 | 35.9 | 55.5 | |
| 16:30 | 15:00 | 42.4 | 35.5 | 57.9 | |
| 16:45 | 15:00 | 43.6 | 36.4 | 68.1 | |
| 17:00 | 15:00 | 39.5 | 35.7 | 56.2 | |
| 17:15 | 15:00 | 42.4 | 34.1 | 64.2 | |
| 17:30 | 15:00 | 44.4 | 35.5 | 70.0 | |
| 17:45 | 15:00 | 44.1 | 34.4 | 63.0 | |
| 18:00 | 15:00 | 41.3 | 35.0 | 59.4 | |
| 18:15 | 15:00 | 38.8 | 35.0 | 56.6 | |
| 18:30 | 15:00 | 39.3 | 34.6 | 53.6 | |
| 18:45 | 15:00 | 45.5 | 35.6 | 69.1 | |
| 19:00 | 15:00 | 39.9 | 35.5 | 52.9 | |
| 19:15 | 15:00 | 41.4 | 38.3 | 58.5 | |
| 19:30 | 15:00 | 38.5 | 36.1 | 54.0 | |
| 19:45 | 15:00 | 37.7 | 35.4 | 50.0 | |
| 20:00 | 15:00 | 46.0 | 34.8 | 65.6 | |
| 20:15 | 15:00 | 39.4 | 34.6 | 55.1 | |
| 20:30 | 15:00 | 41.6 | 37.1 | 54.8 | |
| 20:45 | 15:00 | 43.6 | 42.7 | 50.1 | |
| 21:00 | 15:00 | 43.1 | 41.5 | 55.3 | |
| 21:15 | 15:00 | 45.9 | 42.2 | 62.4 | |
| 21:30 | 15:00 | 44.9 | 43.6 | 55.7 | |
| 21:45 | 15:00 | 44.9 | 43.1 | 57.7 | |
| 22:00 | 15:00 | 42.4 | 39.9 | 55.3 | |
| 22:15 | 15:00 | 43.2 | 40.4 | 55.0 | |
| 22:30 | 15:00 | 41.1 | 39.6 | 51.7 | |
| 22:45 | 15:00 | 42.1 | 40.8 | 50.6 | |
| Log Average 1500-2300 | | 45.6 | 38.5 | 50-80 | |
| Average 1500-2300 | | 43.3 | 37.5 | 50-80 | |

Noise Survey Results

Date: Thursday 29th to Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 175

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 44.5 | 42.2 | 52.8 | |
| 23:15 | 15:00 | 48.4 | 45.8 | 54.2 | |
| 23:30 | 15:00 | 50.0 | 48.2 | 54.5 | |
| 23:45 | 15:00 | 48.1 | 46.6 | 54.1 | |
| 00:00 | 15:00 | 48.7 | 45.4 | 62.1 | Rain |
| 00:15 | 15:00 | 47.7 | 45.9 | 55.7 | Rain |
| 00:30 | 15:00 | 45.9 | 44.7 | 51.4 | |
| 00:45 | 15:00 | 46.8 | 45.8 | 53.9 | Rain |
| 01:00 | 15:00 | 47.3 | 46.1 | 54.2 | |
| 01:15 | 15:00 | 46.2 | 43.3 | 54.6 | |
| 01:30 | 15:00 | 45.7 | 44.3 | 51.6 | |
| 01:45 | 15:00 | 45.6 | 44.0 | 52.1 | |
| 02:00 | 15:00 | 46.0 | 44.7 | 57.8 | |
| 02:15 | 15:00 | 49.0 | 46.9 | 54.4 | |
| 02:30 | 15:00 | 49.9 | 48.2 | 62.7 | |
| 02:45 | 15:00 | 48.7 | 47.5 | 53.2 | |
| 03:00 | 15:00 | 51.2 | 47.3 | 59.3 | Rain |
| 03:15 | 15:00 | 47.8 | 46.1 | 54.1 | Rain |
| 03:30 | 15:00 | 49.1 | 47.4 | 54.6 | Rain |
| 03:45 | 15:00 | 52.8 | 49.9 | 59.6 | Rain |
| 04:00 | 15:00 | 55.7 | 53.5 | 65.0 | Rain |
| 04:15 | 15:00 | 56.7 | 54.0 | 68.3 | Rain |
| 04:30 | 15:00 | 51.1 | 47.3 | 60.6 | Rain |
| 04:45 | 15:00 | 47.1 | 45.4 | 54.5 | Rain |
| 05:00 | 15:00 | 46.8 | 45.1 | 55.2 | |
| 05:15 | 15:00 | 47.2 | 45.3 | 61.5 | |
| 05:30 | 15:00 | 49.0 | 44.9 | 69.9 | Rain |
| 05:45 | 15:00 | 46.6 | 44.9 | 56.1 | |
| 06:00 | 15:00 | 46.5 | 44.9 | 60.5 | |
| 06:15 | 15:00 | 47.3 | 45.5 | 56.3 | |
| 06:30 | 15:00 | 47.6 | 44.6 | 68.0 | |
| 06:45 | 15:00 | 47.7 | 45.1 | 68.4 | Rain |
| Log Average 2300-0700 | | 49.5 | 47.2 | 51-70 | |
| Average 2300-0700 | | 48.4 | 46.3 | 51-70 | |
| Average 0700-2300 | | 46.7 | 37.5 | 50-80 | |

Noise Survey Results

Date: Friday 30th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 176

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 46.4 | 44.6 | 60.2 | |
| 07:15 | 15:00 | 47.1 | 45.3 | 60.0 | |
| 07:30 | 15:00 | 47.5 | 45.3 | 62.2 | |
| 07:45 | 15:00 | 46.7 | 44.8 | 62.8 | |
| 08:00 | 15:00 | 50.9 | 44.5 | 74.2 | |
| 08:15 | 15:00 | 47.8 | 44.7 | 62.3 | |
| 08:30 | 15:00 | 48.5 | 45.9 | 67.6 | |
| 08:45 | 15:00 | 50.5 | 44.7 | 75.4 | |
| 09:00 | 15:00 | 45.2 | 43.5 | 58.5 | |
| 09:15 | 15:00 | 45.6 | 42.7 | 59.6 | |
| 09:30 | 15:00 | 44.2 | 41.9 | 59.1 | |
| 09:45 | 15:00 | 49.2 | 40.9 | 81.1 | |
| 10:00 | 15:00 | 52.2 | 42.1 | 75.5 | |
| 10:15 | 15:00 | 45.4 | 42.3 | 60.8 | |
| 10:30 | 15:00 | 47.3 | 41.7 | 60.6 | |
| 10:45 | 15:00 | 47.4 | 41.2 | 68.7 | |
| 11:00 | 15:00 | 45.8 | 40.9 | 67.2 | |
| 11:15 | 15:00 | 47.1 | 41.4 | 65.4 | |
| 11:30 | 15:00 | 44.2 | 41.1 | 55.6 | |
| 11:45 | 15:00 | 44.3 | 40.7 | 57.4 | |
| 12:00 | 15:00 | 46.4 | 40.5 | 68.7 | |
| 12:15 | 15:00 | 44.8 | 38.8 | 64.2 | |
| 12:30 | 15:00 | 46.9 | 39.0 | 67.3 | |
| 12:45 | 15:00 | 47.7 | 40.6 | 66.2 | |
| 13:00 | 15:00 | 56.0 | 41.6 | 74.3 | |
| 13:15 | 15:00 | 51.2 | 43.6 | 69.2 | |
| 13:30 | 15:00 | 51.0 | 45.3 | 63.2 | |
| 13:45 | 15:00 | 49.2 | 44.9 | 59.6 | |
| 14:00 | 15:00 | 48.1 | 42.0 | 65.6 | |
| 14:15 | 15:00 | 46.9 | 40.7 | 63.9 | |
| 14:30 | 15:00 | 47.5 | 38.3 | 72.2 | |
| 14:45 | 15:00 | 46.1 | 38.9 | 64.4 | |
| Log Average 0700-1500 | | 48.6 | 42.8 | 56-81 | |
| Average 0700-1500 | | 47.7 | 42.3 | 56-81 | |

Noise Survey Results

Date: Friday 30th July 2021

TABLE 177

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 50.1 | 37.9 | 68.2 | |
| 15:15 | 15:00 | 45.2 | 39.5 | 58.4 | |
| 15:30 | 15:00 | 51.3 | 39.6 | 74.2 | |
| 15:45 | 15:00 | 44.5 | 38.2 | 66.2 | |
| 16:00 | 15:00 | 46.0 | 39.6 | 65.7 | |
| 16:15 | 15:00 | 50.1 | 39.1 | 71.9 | |
| 16:30 | 15:00 | 43.4 | 38.2 | 58.3 | |
| 16:45 | 15:00 | 44.2 | 38.4 | 59.7 | |
| 17:00 | 15:00 | 45.1 | 38.1 | 65.2 | |
| 17:15 | 15:00 | 41.9 | 37.2 | 59.7 | |
| 17:30 | 15:00 | 45.0 | 37.9 | 63.0 | |
| 17:45 | 15:00 | 43.5 | 36.4 | 62.3 | |
| 18:00 | 15:00 | 47.3 | 38.5 | 68.2 | |
| 18:15 | 15:00 | 47.5 | 37.8 | 67.5 | |
| 18:30 | 15:00 | 40.4 | 35.0 | 63.2 | |
| 18:45 | 15:00 | 43.8 | 33.3 | 67.9 | |
| 19:00 | 15:00 | 38.7 | 33.9 | 51.5 | |
| 19:15 | 15:00 | 38.4 | 34.1 | 54.9 | |
| 19:30 | 15:00 | 39.2 | 34.5 | 55.6 | |
| 19:45 | 15:00 | 38.8 | 34.1 | 60.0 | |
| 20:00 | 15:00 | 38.0 | 33.8 | 54.0 | |
| 20:15 | 15:00 | 37.7 | 33.3 | 55.8 | |
| 20:30 | 15:00 | 36.7 | 32.5 | 56.0 | |
| 20:45 | 15:00 | 35.2 | 32.1 | 55.7 | |
| 21:00 | 15:00 | 36.1 | 32.3 | 50.7 | |
| 21:15 | 15:00 | 36.3 | 33.8 | 46.7 | |
| 21:30 | 15:00 | 45.2 | 38.4 | 70.6 | |
| 21:45 | 15:00 | 45.0 | 39.8 | 62.6 | |
| 22:00 | 15:00 | 46.9 | 42.4 | 57.8 | |
| 22:15 | 15:00 | 46.3 | 41.8 | 57.7 | |
| 22:30 | 15:00 | 47.9 | 43.0 | 60.5 | |
| 22:45 | 15:00 | 53.5 | 45.6 | 65.8 | |
| Log Average 1500-2300 | | 45.8 | 38.5 | 47-74 | |
| Average 1500-2300 | | 43.4 | 37.2 | 47-74 | |

Noise Survey Results

Date: Friday 30th to Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 178

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 23:00 | 15:00 | 45.2 | 39.8 | 59.7 | |
| 23:15 | 15:00 | 47.2 | 40.9 | 69.8 | |
| 23:30 | 15:00 | 45.9 | 37.9 | 59.8 | |
| 23:45 | 15:00 | 38.5 | 34.0 | 49.8 | |
| 00:00 | 15:00 | 42.1 | 34.1 | 64.7 | |
| 00:15 | 15:00 | 35.8 | 33.2 | 42.3 | |
| 00:30 | 15:00 | 34.6 | 31.9 | 43.5 | |
| 00:45 | 15:00 | 36.1 | 34.2 | 43.3 | |
| 01:00 | 15:00 | 35.3 | 33.7 | 41.3 | |
| 01:15 | 15:00 | 35.7 | 33.7 | 45.3 | |
| 01:30 | 15:00 | 36.3 | 34.5 | 45.0 | |
| 01:45 | 15:00 | 37.1 | 34.8 | 43.5 | |
| 02:00 | 15:00 | 36.5 | 33.8 | 47.6 | |
| 02:15 | 15:00 | 37.6 | 35.7 | 45.7 | |
| 02:30 | 15:00 | 37.2 | 34.9 | 45.2 | |
| 02:45 | 15:00 | 36.1 | 33.5 | 51.4 | |
| 03:00 | 15:00 | 36.5 | 33.6 | 48.6 | |
| 03:15 | 15:00 | 35.6 | 32.3 | 47.1 | |
| 03:30 | 15:00 | 33.6 | 31.6 | 40.2 | |
| 03:45 | 15:00 | 37.0 | 32.3 | 46.5 | |
| 04:00 | 15:00 | 35.7 | 33.4 | 45.6 | |
| 04:15 | 15:00 | 34.1 | 32.0 | 42.7 | |
| 04:30 | 15:00 | 35.9 | 32.4 | 48.1 | |
| 04:45 | 15:00 | 35.3 | 33.8 | 47.7 | |
| 05:00 | 15:00 | 40.5 | 34.0 | 60.6 | |
| 05:15 | 15:00 | 37.1 | 33.4 | 50.1 | |
| 05:30 | 15:00 | 40.3 | 33.6 | 55.3 | |
| 05:45 | 15:00 | 41.2 | 34.5 | 66.1 | |
| 06:00 | 15:00 | 44.8 | 35.1 | 67.2 | |
| 06:15 | 15:00 | 65.9 | 35.5 | 85.3 | |
| 06:30 | 15:00 | 49.1 | 34.9 | 65.3 | |
| 06:45 | 15:00 | 38.2 | 34.9 | 52.8 | |
| Log Average 2300-0700 | | 51.2 | 34.9 | 40-85 | |
| Average 2300-0700 | | 39.3 | 34.3 | 40-85 | |
| Average 0700-2300 | | 47.4 | 41.2 | 47-81 | |

Noise Survey Results

Date: Saturday 31st July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 179

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 40.0 | 34.6 | 55.5 | |
| 07:15 | 15:00 | 43.0 | 35.7 | 63.0 | |
| 07:30 | 15:00 | 41.4 | 34.7 | 67.5 | |
| 07:45 | 15:00 | 40.5 | 35.1 | 65.1 | |
| 08:00 | 15:00 | 43.8 | 37.3 | 67.8 | |
| 08:15 | 15:00 | 42.1 | 35.6 | 60.6 | |
| 08:30 | 15:00 | 44.4 | 35.5 | 67.1 | |
| 08:45 | 15:00 | 43.9 | 35.5 | 60.3 | |
| 09:00 | 15:00 | 41.8 | 34.9 | 62.6 | |
| 09:15 | 15:00 | 40.8 | 34.7 | 55.4 | |
| 09:30 | 15:00 | 41.8 | 35.2 | 64.3 | |
| 09:45 | 15:00 | 46.6 | 35.3 | 73.2 | |
| 10:00 | 15:00 | 40.5 | 35.6 | 55.4 | |
| 10:15 | 15:00 | 40.5 | 35.9 | 58.0 | |
| 10:30 | 15:00 | 43.5 | 36.1 | 64.3 | |
| 10:45 | 15:00 | 42.2 | 36.2 | 59.8 | |
| 11:00 | 15:00 | 41.2 | 35.5 | 58.3 | |
| 11:15 | 15:00 | 40.7 | 35.0 | 58.4 | |
| 11:30 | 15:00 | 44.0 | 35.5 | 64.5 | |
| 11:45 | 15:00 | 47.0 | 36.5 | 70.1 | |
| 12:00 | 15:00 | 41.1 | 34.1 | 59.9 | |
| 12:15 | 15:00 | 45.7 | 35.5 | 68.0 | |
| 12:30 | 15:00 | 41.5 | 34.4 | 57.3 | |
| 12:45 | 15:00 | 41.8 | 34.2 | 63.0 | |
| 13:00 | 15:00 | 38.2 | 33.9 | 54.7 | |
| 13:15 | 15:00 | 39.0 | 32.3 | 58.3 | |
| 13:30 | 15:00 | 39.9 | 33.1 | 57.1 | |
| 13:45 | 15:00 | 46.5 | 33.2 | 68.8 | |
| 14:00 | 15:00 | 40.5 | 34.0 | 58.2 | |
| 14:15 | 15:00 | 44.6 | 36.8 | 65.0 | |
| 14:30 | 15:00 | 43.1 | 35.2 | 61.9 | |
| 14:45 | 15:00 | 41.3 | 34.8 | 63.3 | |
| Log Average 0700-1500 | | 42.8 | 35.1 | 55-73 | |
| Average 0700-1500 | | 42.3 | 35.1 | 55-73 | |

Noise Survey Results

Date: Saturday 31st July 2021

TABLE 180

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 45.0 | 37.3 | 68.6 | |
| 15:15 | 15:00 | 41.5 | 36.8 | 57.7 | |
| 15:30 | 15:00 | 37.6 | 33.9 | 58.2 | |
| 15:45 | 15:00 | 40.6 | 35.7 | 58.0 | |
| 16:00 | 15:00 | 47.3 | 38.9 | 66.5 | |
| 16:15 | 15:00 | 47.2 | 37.6 | 69.9 | |
| 16:30 | 15:00 | 48.4 | 38.1 | 68.3 | |
| 16:45 | 15:00 | 43.7 | 37.6 | 63.7 | |
| 17:00 | 15:00 | 46.3 | 38.7 | 67.6 | |
| 17:15 | 15:00 | 43.0 | 40.0 | 58.2 | |
| 17:30 | 15:00 | 44.5 | 40.7 | 62.0 | |
| 17:45 | 15:00 | 42.3 | 39.1 | 62.7 | |
| 18:00 | 15:00 | 43.4 | 39.1 | 72.0 | |
| 18:15 | 15:00 | 49.1 | 41.1 | 68.7 | |
| 18:30 | 15:00 | 41.6 | 39.2 | 51.7 | |
| 18:45 | 15:00 | 42.3 | 37.1 | 60.5 | |
| 19:00 | 15:00 | 42.6 | 35.2 | 64.7 | |
| 19:15 | 15:00 | 37.0 | 32.9 | 53.8 | |
| 19:30 | 15:00 | 35.5 | 33.1 | 48.8 | |
| 19:45 | 15:00 | 36.5 | 32.5 | 55.9 | |
| 20:00 | 15:00 | 35.0 | 32.0 | 62.6 | |
| 20:15 | 15:00 | 36.9 | 32.1 | 52.1 | |
| 20:30 | 15:00 | 35.7 | 31.7 | 53.0 | |
| 20:45 | 15:00 | 33.3 | 31.2 | 43.7 | |
| 21:00 | 15:00 | 48.0 | 31.8 | 75.4 | |
| 21:15 | 15:00 | 35.0 | 31.7 | 51.1 | |
| 21:30 | 15:00 | 34.9 | 32.8 | 43.6 | |
| 21:45 | 15:00 | 39.4 | 32.7 | 63.9 | |
| 22:00 | 15:00 | 37.9 | 31.0 | 56.6 | |
| 22:15 | 15:00 | 34.8 | 30.9 | 57.1 | |
| 22:30 | 15:00 | 32.3 | 30.4 | 39.6 | |
| 22:45 | 15:00 | 34.0 | 30.5 | 55.0 | |
| Log Average 1500-2300 | | 43.0 | 36.4 | 40-75 | |
| Average 1500-2300 | | 40.4 | 35.1 | 40-75 | |

Noise Survey Results

Date: Saturday 31st July to Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 181

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 32.6 | 30.3 | 42.4 | |
| 23:15 | 15:00 | 33.6 | 31.1 | 46.0 | |
| 23:30 | 15:00 | 36.8 | 31.9 | 60.6 | |
| 23:45 | 15:00 | 37.8 | 35.4 | 45.7 | |
| 00:00 | 15:00 | 41.0 | 36.5 | 53.1 | |
| 00:15 | 15:00 | 43.4 | 38.4 | 54.2 | |
| 00:30 | 15:00 | 36.9 | 34.7 | 47.2 | |
| 00:45 | 15:00 | 35.6 | 33.5 | 42.1 | |
| 01:00 | 15:00 | 34.6 | 32.0 | 42.6 | |
| 01:15 | 15:00 | 36.0 | 34.2 | 44.3 | |
| 01:30 | 15:00 | 35.5 | 33.2 | 49.0 | |
| 01:45 | 15:00 | 33.6 | 31.5 | 41.8 | |
| 02:00 | 15:00 | 34.5 | 31.9 | 47.6 | |
| 02:15 | 15:00 | 35.9 | 33.8 | 49.5 | |
| 02:30 | 15:00 | 36.4 | 34.1 | 45.0 | |
| 02:45 | 15:00 | 35.5 | 33.2 | 42.2 | |
| 03:00 | 15:00 | 39.1 | 37.1 | 50.1 | |
| 03:15 | 15:00 | 39.1 | 35.5 | 51.2 | |
| 03:30 | 15:00 | 36.7 | 33.8 | 46.2 | |
| 03:45 | 15:00 | 36.4 | 33.0 | 44.6 | |
| 04:00 | 15:00 | 35.1 | 32.7 | 40.8 | |
| 04:15 | 15:00 | 36.1 | 33.8 | 44.0 | |
| 04:30 | 15:00 | 36.4 | 33.6 | 50.6 | |
| 04:45 | 15:00 | 35.1 | 32.7 | 45.1 | |
| 05:00 | 15:00 | 39.9 | 34.0 | 61.0 | |
| 05:15 | 15:00 | 39.5 | 37.0 | 53.6 | |
| 05:30 | 15:00 | 42.9 | 36.7 | 62.3 | |
| 05:45 | 15:00 | 45.4 | 36.2 | 73.1 | |
| 06:00 | 15:00 | 51.4 | 36.8 | 75.8 | |
| 06:15 | 15:00 | 43.0 | 35.4 | 67.1 | |
| 06:30 | 15:00 | 39.7 | 34.8 | 61.0 | |
| 06:45 | 15:00 | 39.8 | 34.3 | 61.7 | |
| Log Average 2300-0700 | | 40.6 | 34.5 | 41-76 | |
| Average 2300-0700 | | 38.0 | 34.2 | 41-76 | |
| Average 0700-2300 | | 42.9 | 35.8 | 40-75 | |

Noise Survey Results

Date: Sunday 1st August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 182

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 07:00 | 15:00 | 38.0 | 35.0 | 55.0 | |
| 07:15 | 15:00 | 41.1 | 36.0 | 57.7 | |
| 07:30 | 15:00 | 43.1 | 37.8 | 56.6 | |
| 07:45 | 15:00 | 43.9 | 38.7 | 58.5 | |
| 08:00 | 15:00 | 47.9 | 37.1 | 73.1 | |
| 08:15 | 15:00 | 50.6 | 36.6 | 75.8 | |
| 08:30 | 15:00 | 45.7 | 35.5 | 62.5 | |
| 08:45 | 15:00 | 39.6 | 35.2 | 59.0 | |
| 09:00 | 15:00 | 38.1 | 34.4 | 52.3 | |
| 09:15 | 15:00 | 39.8 | 34.0 | 62.9 | |
| 09:30 | 15:00 | 50.9 | 34.8 | 72.2 | |
| 09:45 | 15:00 | 38.2 | 32.3 | 56.5 | |
| 10:00 | 15:00 | 40.1 | 33.5 | 58.1 | |
| 10:15 | 15:00 | 44.4 | 35.3 | 71.6 | |
| 10:30 | 15:00 | 40.0 | 34.2 | 57.3 | |
| 10:45 | 15:00 | 39.6 | 35.0 | 56.5 | |
| 11:00 | 15:00 | 39.7 | 34.3 | 58.3 | |
| 11:15 | 15:00 | 38.7 | 34.5 | 54.2 | |
| 11:30 | 15:00 | 44.5 | 37.2 | 68.8 | |
| 11:45 | 15:00 | 40.1 | 35.9 | 55.7 | |
| 12:00 | 15:00 | 40.9 | 36.9 | 55.6 | |
| 12:15 | 15:00 | 42.2 | 37.7 | 59.2 | |
| 12:30 | 15:00 | 45.9 | 36.4 | 67.6 | |
| 12:45 | 15:00 | 48.7 | 36.5 | 76.0 | |
| 13:00 | 15:00 | 43.1 | 35.4 | 63.3 | |
| 13:15 | 15:00 | 40.1 | 34.1 | 55.1 | |
| 13:30 | 15:00 | 42.7 | 36.2 | 58.9 | |
| 13:45 | 15:00 | 41.7 | 34.3 | 57.1 | |
| 14:00 | 15:00 | 44.2 | 35.6 | 57.8 | |
| 14:15 | 15:00 | 53.6 | 39.4 | 76.0 | |
| 14:30 | 15:00 | 44.1 | 38.6 | 67.5 | |
| 14:45 | 15:00 | 48.6 | 40.4 | 71.4 | |
| Log Average 0700-1500 | | 45.3 | 36.2 | 52-76 | |
| Average 0700-1500 | | 43.1 | 35.9 | 52-76 | |

Noise Survey Results

Date: Sunday 1st August 2021

TABLE 183

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|---------------------|--------------|--------------|--------------|--------------|
| 15:00 | 15:00 | 45.5 | 39.7 | 66.6 | |
| 15:15 | 15:00 | 63.5 | 40.0 | 99.3 | |
| 15:30 | 15:00 | 41.8 | 39.2 | 56.7 | |
| 15:45 | 15:00 | 42.2 | 37.2 | 62.6 | |
| 16:00 | 15:00 | 41.8 | 38.4 | 57.4 | |
| 16:15 | 15:00 | 43.7 | 40.6 | 56.7 | |
| 16:30 | 15:00 | 44.9 | 40.5 | 61.2 | |
| 16:45 | 15:00 | 47.1 | 37.8 | 67.8 | |
| 17:00 | 15:00 | 44.6 | 38.1 | 69.1 | |
| 17:15 | 15:00 | 42.7 | 37.7 | 62.5 | |
| 17:30 | 15:00 | 44.7 | 38.6 | 68.5 | |
| 17:45 | 15:00 | 43.8 | 39.0 | 64.6 | |
| 18:00 | 15:00 | 40.5 | 37.9 | 53.7 | |
| 18:15 | 15:00 | 40.1 | 37.5 | 55.5 | |
| 18:30 | 15:00 | 43.7 | 38.1 | 72.6 | |
| 18:45 | 15:00 | 43.3 | 37.7 | 64.8 | |
| 19:00 | 15:00 | 47.0 | 39.2 | 65.2 | |
| 19:15 | 15:00 | 41.0 | 38.6 | 54.4 | |
| 19:30 | 15:00 | 41.6 | 36.9 | 56.8 | |
| 19:45 | 15:00 | 40.4 | 35.8 | 63.1 | |
| 20:00 | 15:00 | 39.2 | 35.1 | 58.9 | |
| 20:15 | 15:00 | 36.6 | 34.7 | 49.1 | |
| 20:30 | 15:00 | 37.8 | 34.2 | 56.0 | |
| 20:45 | 15:00 | 36.6 | 33.2 | 54.1 | |
| 21:00 | 15:00 | 35.0 | 32.7 | 51.9 | |
| 21:15 | 15:00 | 43.4 | 33.7 | 70.7 | |
| 21:30 | 15:00 | 35.5 | 33.4 | 44.7 | |
| 21:45 | 15:00 | 36.7 | 34.5 | 43.3 | |
| 22:00 | 15:00 | 35.3 | 33.5 | 43.1 | |
| 22:15 | 15:00 | 35.6 | 33.5 | 46.2 | |
| 22:30 | 15:00 | 36.3 | 34.1 | 46.1 | |
| 22:45 | 15:00 | 34.8 | 33.1 | 47.6 | |
| Log Average 1500-2300 | | 49.3 | 37.3 | 43-99 | |
| Average 1500-2300 | | 41.5 | 36.7 | 43-99 | |

Noise Survey Results

Date: Sunday 1st to Monday 2nd August 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

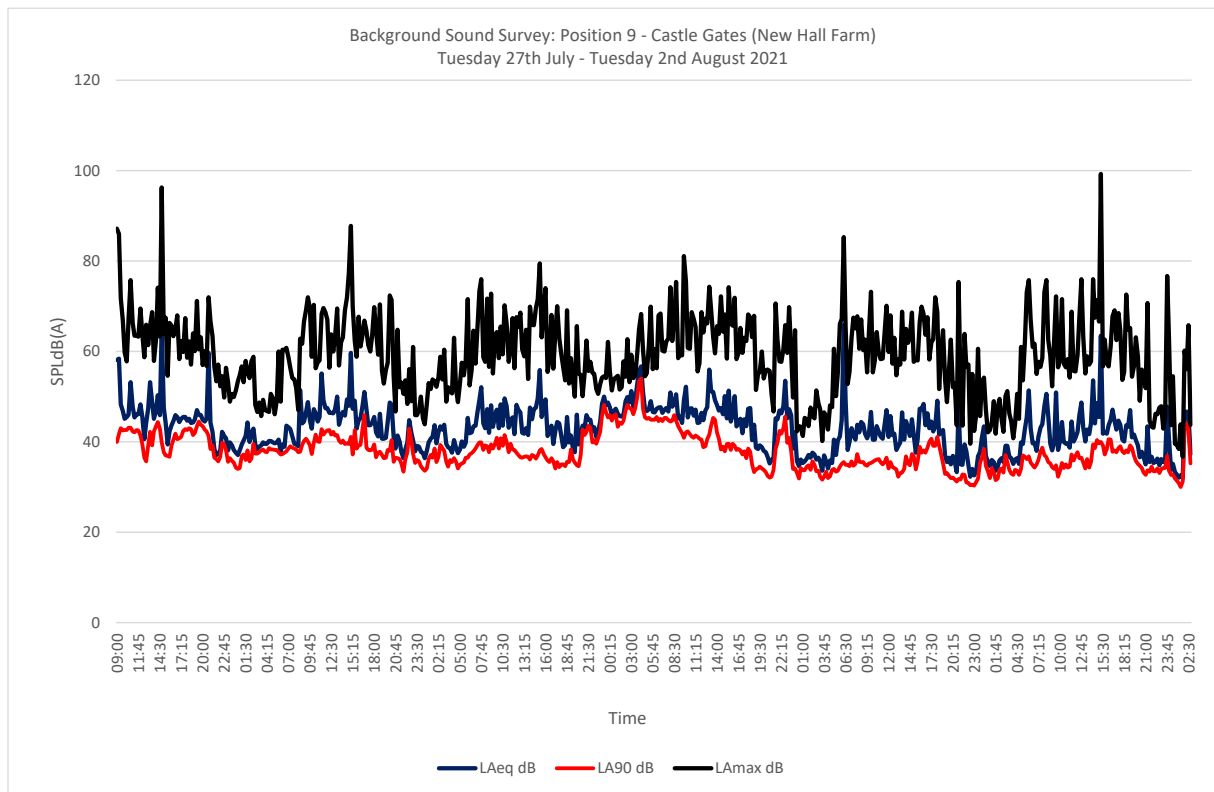
Data: **Position 9: Castle Gates (New Hall Farm)**

Instrumentation: Norsonic 140 Real Time Analyser (serial no. 1405418)

Calibration: 94dB

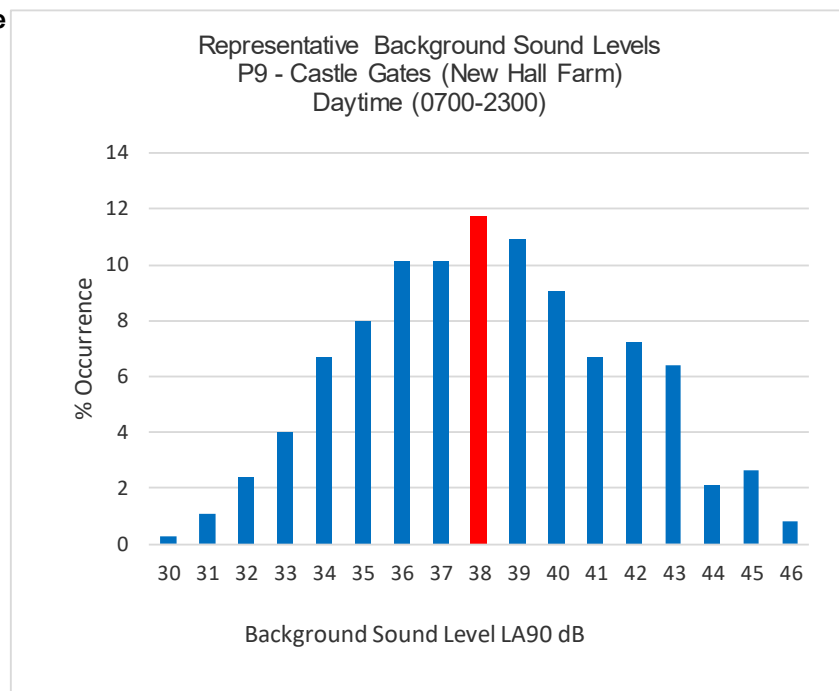
TABLE 184

| Start Time | Run Time (mins.) | LAeq (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|--------------|
| 23:00 | 15:00 | 36.2 | 34.0 | 47.9 | |
| 23:15 | 15:00 | 35.5 | 34.2 | 42.9 | |
| 23:30 | 15:00 | 36.0 | 34.2 | 45.5 | |
| 23:45 | 15:00 | 47.8 | 36.9 | 76.7 | |
| 00:00 | 15:00 | 40.5 | 33.6 | 62.5 | |
| 00:15 | 15:00 | 33.8 | 32.7 | 43.7 | |
| 00:30 | 15:00 | 35.1 | 32.8 | 54.5 | |
| 00:45 | 15:00 | 33.3 | 31.9 | 39.6 | |
| 01:00 | 15:00 | 32.8 | 31.4 | 39.3 | |
| 01:15 | 15:00 | 32.1 | 30.8 | 38.4 | |
| 01:30 | 15:00 | 32.6 | 30.0 | 43.9 | |
| 01:45 | 15:00 | 32.0 | 31.2 | 36.7 | |
| 02:00 | 15:00 | 46.4 | 42.8 | 60.2 | |
| 02:15 | 15:00 | 46.7 | 44.0 | 56.1 | |
| 02:30 | 15:00 | 46.2 | 42.6 | 65.8 | |
| 02:45 | 15:00 | 37.3 | 35.2 | 43.8 | |
| Log Average 2300-0700 | | 41.6 | 37.5 | 55-75 | |
| Average 2300-0700 | | 18.9 | 17.4 | 55-75 | |
| Average 0700-2300 | | 47.8 | 36.8 | 43-99 | |
| Overall Log Average | | 46.8 | 41.1 | 54-80 | With Rain |
| Overall Log Average | | 47.8 | 39.3 | 40-99 | With Rain |
| | | | | | |
| Overall Log Average | | 46.5 | 39.9 | 54-80 | No Rain |
| Overall Log Average | | 47.7 | 39.3 | 40-99 | No Rain |



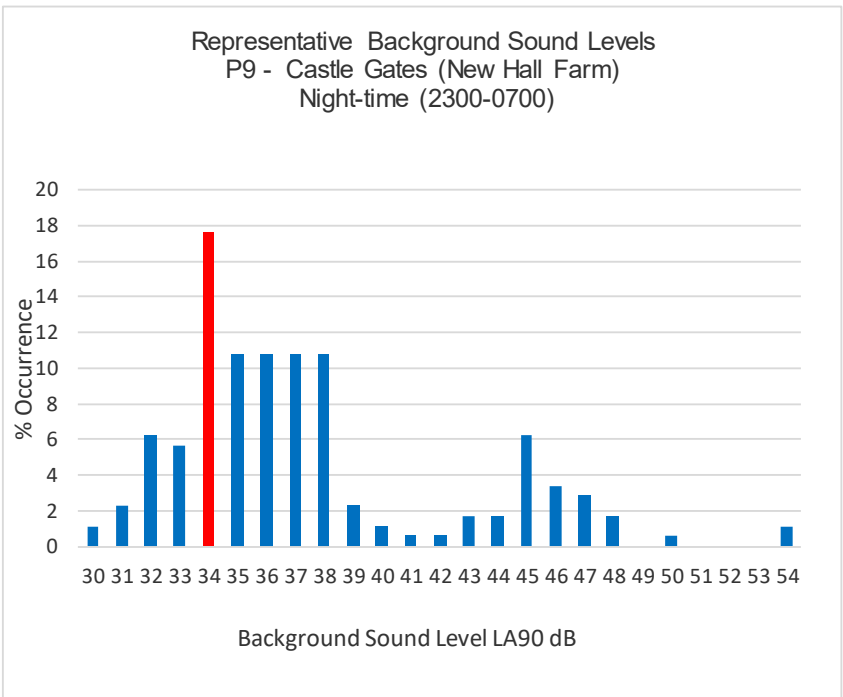
LA90 Representative Levels

| LA90 | % Occurrence |
|-----------|--------------|
| 30 | 0.3 |
| 31 | 1.1 |
| 32 | 2.4 |
| 33 | 4.0 |
| 34 | 6.6 |
| 35 | 8.0 |
| 36 | 10.1 |
| 37 | 10.1 |
| 38 | 11.7 |
| 39 | 10.9 |
| 40 | 9.0 |
| 41 | 6.6 |
| 42 | 7.2 |
| 43 | 6.4 |
| 44 | 2.1 |
| 45 | 2.7 |
| 46 | 0.8 |



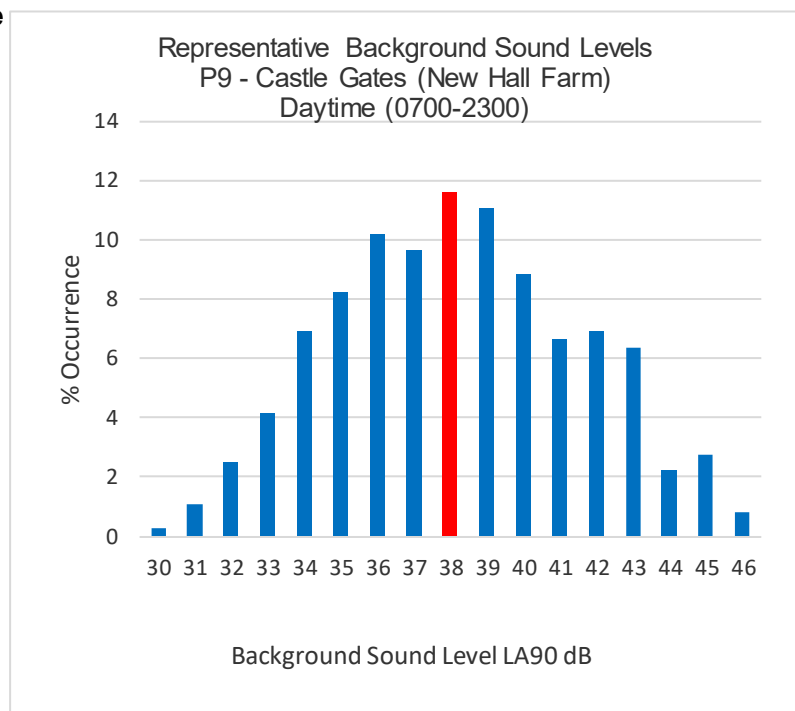
LA90 % Occurrence

| | |
|-----------|-------------|
| 30 | 1.1 |
| 31 | 2.3 |
| 32 | 6.3 |
| 33 | 5.7 |
| 34 | 17.6 |
| 35 | 10.8 |
| 36 | 10.8 |
| 37 | 10.8 |
| 38 | 10.8 |
| 39 | 2.3 |
| 40 | 1.1 |
| 41 | 0.6 |
| 42 | 0.6 |
| 43 | 1.7 |
| 44 | 1.7 |
| 45 | 6.3 |
| 46 | 3.4 |
| 47 | 2.8 |
| 48 | 1.7 |
| 49 | 0.0 |
| 50 | 0.6 |
| 51 | 0.0 |
| 52 | 0.0 |
| 53 | 0.0 |
| 54 | 1.1 |

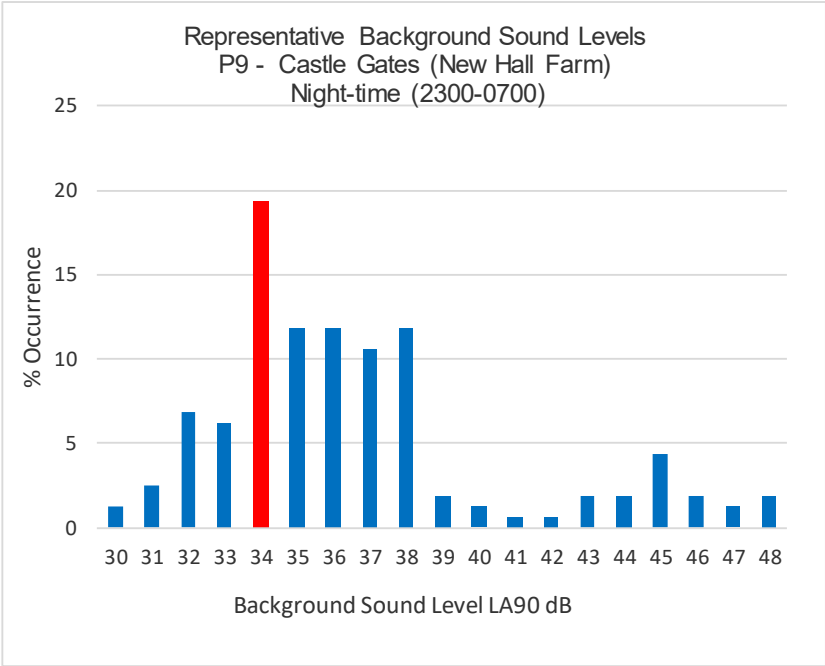


LA90 % Occurrence

| | |
|-----------|-------------|
| 30 | 0.3 |
| 31 | 1.1 |
| 32 | 2.5 |
| 33 | 4.1 |
| 34 | 6.9 |
| 35 | 8.3 |
| 36 | 10.2 |
| 37 | 9.6 |
| 38 | 11.6 |
| 39 | 11.0 |
| 40 | 8.8 |
| 41 | 6.6 |
| 42 | 6.9 |
| 43 | 6.3 |
| 44 | 2.2 |
| 45 | 2.8 |
| 46 | 0.8 |



| LA90 | % Occurrence |
|------|--------------|
| 30 | 1.3 |
| 31 | 2.5 |
| 32 | 6.9 |
| 33 | 6.3 |
| 34 | 19.4 |
| 35 | 11.9 |
| 36 | 11.9 |
| 37 | 10.6 |
| 38 | 11.9 |
| 39 | 1.9 |
| 40 | 1.3 |
| 41 | 0.6 |
| 42 | 0.6 |
| 43 | 1.9 |
| 44 | 1.9 |
| 45 | 4.4 |
| 46 | 1.9 |
| 47 | 1.3 |
| 48 | 1.9 |



1.5 Baseline Noise Survey Results (April 2022)

Noise Survey Results

Date: Friday 1st April 2022
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: Access Road & Lorry Park
Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 1

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|------|------------|---------------------------------|
| 09:00 | 15:00 | 58.7 | 55.1 | 49.5 | 82.9 | Dominated by road traffic noise |
| 09:15 | 15:00 | 53.0 | 55.4 | 46.7 | 69.8 | |
| 09:30 | 15:00 | 51.5 | 53.3 | 46.8 | 69.2 | |
| 09:45 | 15:00 | 51.9 | 53.5 | 46.5 | 67.9 | |
| 10:00 | 15:00 | 58.9 | 57.7 | 48.1 | 80.4 | |
| 10:15 | 15:00 | 54.3 | 54.1 | 47.7 | 72.0 | |
| 10:30 | 15:00 | 52.0 | 53.7 | 47.1 | 76.5 | |
| 10:45 | 15:00 | 51.2 | 52.8 | 45.9 | 67.4 | |
| 11:00 | 15:00 | 49.6 | 51.6 | 46.4 | 56.8 | |
| 11:15 | 15:00 | 52.0 | 54.3 | 47.1 | 67.5 | |
| 11:30 | 15:00 | 50.8 | 52.7 | 47.0 | 67.3 | |
| 11:45 | 15:00 | 50.9 | 52.9 | 46.0 | 69.7 | |
| 12:00 | 15:00 | 51.1 | 52.1 | 46.6 | 69.6 | |
| 12:15 | 15:00 | 51.1 | 52.8 | 46.3 | 67.4 | |
| 12:30 | 15:00 | 50.0 | 52.4 | 46.6 | 60.9 | |
| 12:45 | 15:00 | 51.1 | 53.2 | 46.2 | 66.1 | |
| 13:00 | 15:00 | 53.4 | 56.9 | 46.1 | 67.0 | |
| 13:15 | 15:00 | 50.8 | 52.9 | 47.3 | 66.3 | |
| 13:30 | 15:00 | 50.7 | 52.7 | 46.0 | 66.3 | |
| 13:45 | 15:00 | 50.1 | 51.4 | 45.6 | 66.0 | |
| 14:00 | 15:00 | 52.5 | 52.3 | 45.0 | 72.9 | |
| 14:15 | 15:00 | 50.8 | 52.6 | 45.9 | 66.4 | |
| 14:30 | 15:00 | 54.0 | 57.6 | 47.0 | 69.4 | |
| 14:45 | 15:00 | 51.3 | 52.0 | 46.5 | 68.4 | |
| Log Average 0900-1500 | | 53.0 | 53.9 | 46.7 | 57-83 | |
| Average 0900-1500 | | 52.2 | 53.6 | 46.7 | 57-83 | |

Noise Survey Results

Date: Friday 1st April 2022
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: Access Road & Lorry Park
Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 2

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 15:00 | 15:00 | 54.0 | 53.7 | 47.1 | 74.7 | |
| 15:15 | 15:00 | 52.8 | 53.4 | 46.5 | 73.9 | |
| 15:30 | 15:00 | 52.6 | 54.4 | 45.9 | 75.0 | |
| 15:45 | 15:00 | 51.0 | 53.9 | 45.4 | 65.1 | |
| 16:00 | 15:00 | 51.9 | 53.1 | 46.2 | 71.4 | |
| 16:15 | 15:00 | 49.0 | 50.8 | 45.9 | 62.8 | |
| 16:30 | 15:00 | 50.2 | 51.4 | 44.8 | 68.8 | |
| 16:45 | 15:00 | 51.8 | 51.6 | 45.6 | 71.1 | |
| 17:00 | 15:00 | 50.3 | 51.5 | 45.5 | 67.6 | |
| 17:15 | 15:00 | 49.2 | 51.0 | 45.0 | 69.1 | |
| 17:30 | 15:00 | 50.1 | 52.5 | 45.4 | 66.6 | |
| 17:45 | 15:00 | 49.1 | 50.4 | 43.1 | 69.6 | |
| 18:00 | 15:00 | 50.2 | 50.4 | 43.7 | 72.0 | |
| 18:15 | 15:00 | 48.2 | 49.0 | 43.4 | 68.9 | |
| 18:30 | 15:00 | 45.6 | 47.6 | 42.0 | 66.3 | |
| 18:45 | 15:00 | 50.0 | 50.2 | 43.0 | 68.4 | |
| 19:00 | 15:00 | 45.9 | 48.3 | 42.1 | 60.6 | |
| 19:15 | 15:00 | 58.3 | 58.0 | 42.7 | 75.2 | |
| 19:30 | 15:00 | 51.4 | 50.7 | 42.8 | 70.6 | |
| 19:45 | 15:00 | 47.3 | 47.4 | 42.3 | 66.6 | |
| 20:00 | 15:00 | 46.8 | 47.6 | 42.0 | 68.8 | |
| 20:15 | 15:00 | 43.6 | 45.7 | 40.9 | 56.9 | |
| 20:30 | 15:00 | 45.7 | 47.1 | 41.6 | 70.0 | |
| 20:45 | 15:00 | 50.1 | 47.6 | 40.0 | 70.0 | |
| 21:00 | 15:00 | 44.8 | 46.7 | 40.3 | 67.3 | |
| 21:15 | 15:00 | 44.7 | 46.8 | 39.7 | 61.0 | |
| 21:30 | 15:00 | 43.6 | 45.6 | 39.2 | 60.2 | |
| 21:45 | 15:00 | 49.5 | 48.3 | 38.9 | 71.0 | |
| 22:00 | 15:00 | 49.0 | 47.4 | 38.0 | 71.0 | |
| 22:15 | 15:00 | 43.0 | 45.8 | 38.6 | 51.2 | |
| 22:30 | 15:00 | 42.5 | 45.1 | 38.0 | 60.7 | |
| 22:45 | 15:00 | 48.8 | 46.6 | 38.4 | 69.7 | |
| Log Average 1500-2300 | | 50.2 | 50.8 | 43.4 | 51-75 | |
| Average 1500-2300 | | 48.8 | 49.7 | 42.6 | 51-75 | |

Noise Survey Results

Date: Friday 1st - Saturday 2nd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 3

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 42.3 | 44.9 | 37.0 | 55.6 | |
| 23:15 | 15:00 | 44.2 | 44.4 | 36.8 | 67.5 | |
| 23:30 | 15:00 | 42.3 | 42.1 | 34.3 | 66.1 | |
| 23:45 | 15:00 | 38.2 | 40.6 | 34.5 | 49.5 | |
| 00:00 | 15:00 | 42.9 | 43.1 | 35.4 | 61.9 | |
| 00:15 | 15:00 | 40.6 | 43.3 | 35.8 | 53.3 | |
| 00:30 | 15:00 | 39.8 | 42.2 | 36.0 | 52.2 | |
| 00:45 | 15:00 | 43.8 | 45.1 | 41.7 | 53.3 | |
| 01:00 | 15:00 | 44.0 | 46.1 | 40.2 | 53.9 | |
| 01:15 | 15:00 | 43.2 | 45.4 | 39.7 | 52.1 | |
| 01:30 | 15:00 | 45.2 | 46.9 | 42.8 | 54.3 | |
| 01:45 | 15:00 | 44.4 | 45.5 | 42.5 | 54.4 | |
| 02:00 | 15:00 | 44.4 | 46.3 | 41.2 | 63.0 | |
| 02:15 | 15:00 | 45.0 | 46.9 | 42.8 | 51.0 | |
| 02:30 | 15:00 | 45.7 | 47.8 | 42.1 | 55.8 | |
| 02:45 | 15:00 | 46.0 | 47.8 | 43.2 | 53.9 | |
| 03:00 | 15:00 | 46.0 | 47.2 | 44.3 | 53.8 | |
| 03:15 | 15:00 | 45.9 | 47.5 | 43.4 | 54.8 | |
| 03:30 | 15:00 | 46.2 | 47.5 | 43.2 | 58.8 | |
| 03:45 | 15:00 | 43.4 | 45.5 | 40.9 | 52.1 | |
| 04:00 | 15:00 | 44.6 | 46.5 | 42.0 | 54.8 | |
| 04:15 | 15:00 | 44.6 | 47.4 | 39.4 | 55.8 | |
| 04:30 | 15:00 | 45.2 | 47.2 | 42.6 | 58.0 | |
| 04:45 | 15:00 | 45.8 | 47.3 | 41.5 | 58.6 | |
| 05:00 | 15:00 | 43.2 | 45.1 | 40.6 | 51.0 | |
| 05:15 | 15:00 | 41.5 | 44.4 | 35.0 | 51.2 | |
| 05:30 | 15:00 | 43.3 | 46.1 | 37.8 | 65.7 | |
| 05:45 | 15:00 | 47.3 | 50.0 | 37.4 | 71.8 | |
| 06:00 | 15:00 | 55.6 | 60.1 | 42.6 | 76.5 | |
| 06:15 | 15:00 | 52.2 | 54.1 | 41.7 | 71.8 | |
| 06:30 | 15:00 | 51.8 | 51.7 | 43.1 | 70.6 | |
| 06:45 | 15:00 | 52.8 | 56.6 | 44.3 | 68.6 | |
| Log Average 2300-0700 | | 47.0 | 49.7 | 41.1 | 50-77 | |
| Average 2300-0700 | | 45.0 | 47.0 | 40.2 | 50-77 | |
| Log Average 0900-2300 | | 51.5 | 52.3 | 45.0 | 51-83 | |

Noise Survey Results

Date: Saturday 2nd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 4

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 53.3 | 56.4 | 44.0 | 70.0 | |
| 07:15 | 15:00 | 52.2 | 56.1 | 43.7 | 68.3 | |
| 07:30 | 15:00 | 57.3 | 60.6 | 42.9 | 75.2 | |
| 07:45 | 15:00 | 51.3 | 52.7 | 41.8 | 69.3 | |
| 08:00 | 15:00 | 51.4 | 54.6 | 42.2 | 70.8 | |
| 08:15 | 15:00 | 52.6 | 56.2 | 40.4 | 72.5 | |
| 08:30 | 15:00 | 53.8 | 55.7 | 41.3 | 74.0 | |
| 08:45 | 15:00 | 53.6 | 55.9 | 41.0 | 72.6 | |
| 09:00 | 15:00 | 52.5 | 50.3 | 41.1 | 75.8 | |
| 09:15 | 15:00 | 49.6 | 51.9 | 43.7 | 65.9 | |
| 09:30 | 15:00 | 49.4 | 53.1 | 44.0 | 63.7 | |
| 09:45 | 15:00 | 51.6 | 55.0 | 43.7 | 69.2 | |
| 10:00 | 15:00 | 51.9 | 53.3 | 43.3 | 71.4 | |
| 10:15 | 15:00 | 46.8 | 48.6 | 42.7 | 66.2 | |
| 10:30 | 15:00 | 46.5 | 48.9 | 42.2 | 60.9 | |
| 10:45 | 15:00 | 49.1 | 49.6 | 42.5 | 68.3 | |
| 11:00 | 15:00 | 47.6 | 48.8 | 43.9 | 73.1 | |
| 11:15 | 15:00 | 48.3 | 47.7 | 42.9 | 68.7 | |
| 11:30 | 15:00 | 46.7 | 47.9 | 42.6 | 70.7 | |
| 11:45 | 15:00 | 47.6 | 49.4 | 42.7 | 63.5 | |
| 12:00 | 15:00 | 46.5 | 48.9 | 42.9 | 60.8 | |
| 12:15 | 15:00 | 49.3 | 49.5 | 42.4 | 71.3 | |
| 12:30 | 15:00 | 47.6 | 49.4 | 41.2 | 64.8 | |
| 12:45 | 15:00 | 49.4 | 49.5 | 41.1 | 71.8 | |
| 13:00 | 15:00 | 46.0 | 47.6 | 42.1 | 62.5 | |
| 13:15 | 15:00 | 46.4 | 48.6 | 42.1 | 59.1 | |
| 13:30 | 15:00 | 47.7 | 51.4 | 41.8 | 60.0 | |
| 13:45 | 15:00 | 45.7 | 47.9 | 42.2 | 59.0 | |
| 14:00 | 15:00 | 51.6 | 50.1 | 44.5 | 72.2 | |
| 14:15 | 15:00 | 51.5 | 53.7 | 43.7 | 67.6 | |
| 14:30 | 15:00 | 52.0 | 56.1 | 43.0 | 69.8 | |
| 14:45 | 15:00 | 50.2 | 49.9 | 42.1 | 68.7 | |
| Log Average 0700-1500 | | 50.8 | 51.7 | 42.6 | 59-76 | |
| Average 0700-1500 | | 49.9 | 51.7 | 42.6 | 59-76 | |

Noise Survey Results

Date: Saturday 2nd April 2022

TABLE 5

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 15:00 | 15:00 | 49.4 | 49.9 | 42.6 | 67.8 | |
| 15:15 | 15:00 | 45.7 | 47.7 | 42.0 | 60.9 | |
| 15:30 | 15:00 | 48.4 | 50.6 | 43.6 | 63.3 | |
| 15:45 | 15:00 | 50.3 | 50.8 | 45.0 | 67.8 | |
| 16:00 | 15:00 | 52.0 | 52.0 | 45.1 | 72.0 | |
| 16:15 | 15:00 | 49.4 | 51.8 | 44.8 | 61.8 | |
| 16:30 | 15:00 | 48.9 | 51.3 | 41.3 | 69.0 | |
| 16:45 | 15:00 | 50.0 | 50.4 | 41.7 | 70.4 | |
| 17:00 | 15:00 | 46.6 | 48.8 | 41.7 | 67.2 | |
| 17:15 | 15:00 | 50.1 | 52.8 | 41.5 | 67.1 | |
| 17:30 | 15:00 | 47.4 | 49.4 | 41.6 | 70.7 | |
| 17:45 | 15:00 | 47.0 | 48.2 | 40.8 | 66.8 | |
| 18:00 | 15:00 | 50.1 | 50.6 | 43.2 | 70.8 | |
| 18:15 | 15:00 | 47.5 | 49.7 | 43.2 | 61.8 | |
| 18:30 | 15:00 | 47.7 | 49.0 | 42.2 | 66.9 | |
| 18:45 | 15:00 | 51.3 | 51.7 | 41.9 | 70.4 | |
| 19:00 | 15:00 | 47.0 | 48.5 | 43.2 | 62.9 | |
| 19:15 | 15:00 | 51.7 | 52.1 | 41.1 | 69.4 | |
| 19:30 | 15:00 | 52.0 | 54.8 | 43.6 | 73.2 | |
| 19:45 | 15:00 | 55.5 | 59.0 | 47.6 | 71.5 | |
| 20:00 | 15:00 | 55.2 | 58.3 | 47.5 | 74.2 | |
| 20:15 | 15:00 | 50.3 | 52.0 | 45.7 | 68.3 | |
| 20:30 | 15:00 | 48.6 | 50.9 | 44.2 | 64.5 | |
| 20:45 | 15:00 | 49.6 | 51.0 | 43.3 | 69.4 | |
| 21:00 | 15:00 | 46.3 | 49.1 | 41.8 | 54.9 | |
| 21:15 | 15:00 | 45.7 | 48.2 | 39.7 | 59.8 | |
| 21:30 | 15:00 | 45.5 | 47.3 | 42.7 | 55.8 | |
| 21:45 | 15:00 | 47.3 | 48.6 | 44.9 | 60.5 | |
| 22:00 | 15:00 | 52.0 | 52.5 | 45.7 | 71.6 | |
| 22:15 | 15:00 | 48.0 | 48.5 | 43.4 | 67.1 | |
| 22:30 | 15:00 | 47.8 | 48.5 | 42.3 | 66.3 | |
| 22:45 | 15:00 | 51.4 | 52.1 | 44.3 | 69.2 | |
| Log Average 1500-2300 | | 50.0 | 51.9 | 43.6 | 55-74 | |
| Average 1500-2300 | | 49.2 | 50.8 | 43.2 | 55-74 | |

Noise Survey Results

Date: Saturday 2nd - Sunday 3rd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 6

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 50.5 | 50.7 | 44.3 | 71.9 | |
| 23:15 | 15:00 | 49.4 | 51.2 | 45.2 | 68.6 | |
| 23:30 | 15:00 | 51.1 | 54.8 | 45.5 | 64.7 | |
| 23:45 | 15:00 | 55.5 | 58.0 | 49.3 | 69.1 | |
| 00:00 | 15:00 | 50.5 | 52.2 | 42.5 | 67.2 | |
| 00:15 | 15:00 | 46.2 | 48.1 | 42.8 | 55.4 | |
| 00:30 | 15:00 | 46.8 | 48.3 | 41.9 | 59.2 | |
| 00:45 | 15:00 | 45.7 | 47.6 | 41.7 | 51.4 | |
| 01:00 | 15:00 | 47.5 | 48.7 | 45.9 | 53.4 | |
| 01:15 | 15:00 | 47.2 | 48.3 | 45.6 | 53.2 | |
| 01:30 | 15:00 | 48.9 | 50.9 | 46.6 | 53.2 | |
| 01:45 | 15:00 | 48.8 | 49.6 | 47.7 | 53.9 | |
| 02:00 | 15:00 | 49.2 | 50.0 | 48.1 | 57.0 | |
| 02:15 | 15:00 | 49.6 | 51.2 | 47.6 | 56.9 | |
| 02:30 | 15:00 | 48.4 | 50.5 | 45.2 | 56.5 | |
| 02:45 | 15:00 | 44.4 | 45.3 | 43.3 | 50.1 | |
| 03:00 | 15:00 | 46.3 | 47.8 | 44.0 | 53.2 | |
| 03:15 | 15:00 | 48.9 | 49.9 | 47.4 | 55.7 | |
| 03:30 | 15:00 | 48.7 | 49.7 | 47.3 | 52.9 | |
| 03:45 | 15:00 | 49.9 | 50.7 | 48.9 | 57.3 | |
| 04:00 | 15:00 | 50.5 | 51.6 | 48.9 | 60.4 | |
| 04:15 | 15:00 | 49.5 | 50.7 | 47.9 | 61.5 | |
| 04:30 | 15:00 | 47.7 | 49.2 | 45.5 | 59.4 | |
| 04:45 | 15:00 | 47.8 | 48.9 | 46.4 | 53.9 | |
| 05:00 | 15:00 | 49.4 | 51.0 | 47.0 | 57.8 | |
| 05:15 | 15:00 | 50.1 | 51.6 | 47.4 | 58.4 | |
| 05:30 | 15:00 | 51.3 | 52.3 | 46.0 | 69.7 | |
| 05:45 | 15:00 | 53.8 | 55.9 | 46.5 | 69.1 | |
| 06:00 | 15:00 | 56.4 | 60.8 | 48.5 | 70.2 | |
| 06:15 | 15:00 | 53.4 | 54.3 | 47.7 | 70.6 | |
| 06:30 | 15:00 | 54.7 | 58.4 | 47.0 | 76.2 | |
| 06:45 | 15:00 | 53.3 | 56.0 | 46.7 | 71.5 | |
| Log Average 2300-0700 | | 50.7 | 53.0 | 46.5 | 50-76 | |
| Average 2300-0700 | | 49.7 | 51.4 | 46.1 | 50-76 | |
| Average 0700-2300 | | 50.4 | 52.6 | 43.1 | 55-76 | |

Noise Survey Results

Date: Sunday 3rd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 7

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 52.8 | 55.5 | 48.0 | 70.0 | |
| 07:15 | 15:00 | 50.9 | 52.5 | 47.7 | 65.1 | |
| 07:30 | 15:00 | 51.2 | 51.9 | 46.8 | 68.3 | |
| 07:45 | 15:00 | 54.8 | 55.1 | 45.9 | 71.1 | |
| 08:00 | 15:00 | 49.6 | 51.7 | 44.3 | 64.7 | |
| 08:15 | 15:00 | 48.8 | 52.2 | 43.1 | 59.5 | |
| 08:30 | 15:00 | 49.4 | 49.9 | 41.7 | 70.8 | |
| 08:45 | 15:00 | 46.3 | 49.3 | 40.2 | 60.2 | |
| 09:00 | 15:00 | 46.7 | 49.3 | 41.1 | 69.9 | |
| 09:15 | 15:00 | 52.3 | 55.7 | 40.7 | 70.8 | |
| 09:30 | 15:00 | 45.3 | 47.5 | 41.4 | 57.0 | |
| 09:45 | 15:00 | 54.1 | 52.4 | 41.7 | 74.0 | |
| 10:00 | 15:00 | 48.2 | 48.8 | 41.1 | 71.2 | |
| 10:15 | 15:00 | 46.3 | 48.8 | 41.8 | 59.0 | |
| 10:30 | 15:00 | 48.3 | 50.7 | 41.5 | 65.7 | |
| 10:45 | 15:00 | 48.7 | 51.7 | 43.2 | 59.4 | |
| 11:00 | 15:00 | 50.3 | 51.6 | 42.1 | 69.3 | |
| 11:15 | 15:00 | 49.8 | 49.5 | 39.7 | 70.5 | |
| 11:30 | 15:00 | 49.8 | 49.1 | 40.7 | 74.3 | |
| 11:45 | 15:00 | 47.5 | 47.9 | 40.7 | 67.5 | |
| 12:00 | 15:00 | 52.0 | 52.8 | 41.4 | 71.6 | |
| 12:15 | 15:00 | 50.7 | 51.0 | 41.9 | 71.6 | |
| 12:30 | 15:00 | 50.6 | 53.5 | 41.1 | 71.6 | |
| 12:45 | 15:00 | 51.9 | 51.5 | 40.8 | 77.0 | |
| 13:00 | 15:00 | 46.3 | 47.0 | 40.3 | 67.0 | |
| 13:15 | 15:00 | 44.6 | 47.1 | 40.1 | 57.8 | |
| 13:30 | 15:00 | 49.1 | 50.8 | 39.4 | 67.3 | |
| 13:45 | 15:00 | 51.1 | 49.3 | 42.0 | 72.4 | |
| 14:00 | 15:00 | 44.7 | 46.9 | 40.1 | 59.0 | |
| 14:15 | 15:00 | 47.0 | 48.4 | 39.4 | 71.3 | |
| 14:30 | 15:00 | 47.0 | 49.2 | 39.3 | 65.0 | |
| 14:45 | 15:00 | 46.8 | 49.1 | 38.6 | 65.2 | |
| Log Average 0700-1500 | | 49.9 | 51.2 | 42.5 | 57-77 | |
| Average 0700-1500 | | 49.2 | 50.6 | 41.8 | 57-77 | |

Noise Survey Results

Date: Sunday 3rd April 2022

TABLE 8

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 45.5 | 48.0 | 40.6 | 62.0 | |
| 15:15 | 15:00 | 46.6 | 49.5 | 40.7 | 62.0 | |
| 15:30 | 15:00 | 44.0 | 45.9 | 40.6 | 56.8 | |
| 15:45 | 15:00 | 46.8 | 47.4 | 39.9 | 65.1 | |
| 16:00 | 15:00 | 43.2 | 45.0 | 39.9 | 56.5 | |
| 16:15 | 15:00 | 50.2 | 49.5 | 40.9 | 70.1 | |
| 16:30 | 15:00 | 49.9 | 47.4 | 40.9 | 69.1 | |
| 16:45 | 15:00 | 51.2 | 51.5 | 41.4 | 69.6 | |
| 17:00 | 15:00 | 47.4 | 48.5 | 42.2 | 65.8 | |
| 17:15 | 15:00 | 46.0 | 48.6 | 41.8 | 60.0 | |
| 17:30 | 15:00 | 47.9 | 50.1 | 42.8 | 65.6 | |
| 17:45 | 15:00 | 52.5 | 50.3 | 43.6 | 74.5 | |
| 18:00 | 15:00 | 49.0 | 50.3 | 42.9 | 70.7 | |
| 18:15 | 15:00 | 46.7 | 49.0 | 43.1 | 61.9 | |
| 18:30 | 15:00 | 47.5 | 49.7 | 42.3 | 68.1 | |
| 18:45 | 15:00 | 50.8 | 51.6 | 42.7 | 70.2 | |
| 19:00 | 15:00 | 50.2 | 53.3 | 44.3 | 61.0 | |
| 19:15 | 15:00 | 48.7 | 51.3 | 42.7 | 67.7 | |
| 19:30 | 15:00 | 48.7 | 49.3 | 42.4 | 67.9 | |
| 19:45 | 15:00 | 48.5 | 50.0 | 43.1 | 68.4 | |
| 20:00 | 15:00 | 47.0 | 48.9 | 43.4 | 59.6 | |
| 20:15 | 15:00 | 48.7 | 51.6 | 44.3 | 61.8 | |
| 20:30 | 15:00 | 49.0 | 51.6 | 44.8 | 59.7 | |
| 20:45 | 15:00 | 47.1 | 49.7 | 42.9 | 58.9 | |
| 21:00 | 15:00 | 50.9 | 51.0 | 44.2 | 69.0 | |
| 21:15 | 15:00 | 46.2 | 48.1 | 42.7 | 62.2 | |
| 21:30 | 15:00 | 45.0 | 46.8 | 42.5 | 53.3 | |
| 21:45 | 15:00 | 46.0 | 47.7 | 43.7 | 55.6 | |
| 22:00 | 15:00 | 49.7 | 51.9 | 45.4 | 66.2 | |
| 22:15 | 15:00 | 50.0 | 51.9 | 44.5 | 68.2 | |
| 22:30 | 15:00 | 48.6 | 50.7 | 45.4 | 57.8 | |
| 22:45 | 15:00 | 47.5 | 50.0 | 44.0 | 56.1 | |
| Log Average 1500-2300 | | 48.5 | 49.9 | 42.9 | 53-75 | |
| Average 1500-2300 | | 48.0 | 49.6 | 42.7 | 53-75 | |

Noise Survey Results

Date: Sunday 3rd - Monday 4th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 9

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 47.4 | 49.8 | 43.2 | 61.4 | |
| 23:15 | 15:00 | 47.0 | 49.2 | 42.8 | 61.7 | |
| 23:30 | 15:00 | 46.0 | 48.3 | 42.0 | 59.2 | |
| 23:45 | 15:00 | 44.1 | 46.0 | 40.9 | 56.0 | |
| 00:00 | 15:00 | 46.7 | 48.9 | 43.0 | 58.1 | |
| 00:15 | 15:00 | 48.5 | 50.8 | 44.6 | 62.6 | |
| 00:30 | 15:00 | 45.6 | 47.8 | 42.1 | 55.9 | |
| 00:45 | 15:00 | 48.4 | 51.1 | 42.9 | 61.3 | |
| 01:00 | 15:00 | 45.6 | 47.4 | 42.8 | 55.0 | |
| 01:15 | 15:00 | 42.7 | 45.6 | 38.3 | 51.3 | |
| 01:30 | 15:00 | 42.6 | 45.1 | 39.7 | 51.5 | |
| 01:45 | 15:00 | 45.4 | 47.2 | 42.2 | 53.7 | |
| 02:00 | 15:00 | 49.8 | 52.7 | 45.1 | 58.3 | Rain period |
| 02:15 | 15:00 | 50.3 | 53.1 | 46.2 | 59.9 | Rain period |
| 02:30 | 15:00 | 47.8 | 49.6 | 45.3 | 55.5 | Rain period |
| 02:45 | 15:00 | 48.3 | 50.4 | 45.4 | 58.5 | Rain period |
| 03:00 | 15:00 | 49.3 | 52.1 | 45.1 | 60.9 | Rain period |
| 03:15 | 15:00 | 49.7 | 52.3 | 44.9 | 60.9 | Rain period |
| 03:30 | 15:00 | 50.6 | 54.2 | 45.4 | 61.4 | Rain period |
| 03:45 | 15:00 | 49.3 | 51.6 | 45.8 | 60.4 | Rain period |
| 04:00 | 15:00 | 50.2 | 53.5 | 45.7 | 58.6 | |
| 04:15 | 15:00 | 49.8 | 51.6 | 44.9 | 63.2 | |
| 04:30 | 15:00 | 48.3 | 51.2 | 44.0 | 59.1 | |
| 04:45 | 15:00 | 48.1 | 50.4 | 43.6 | 59.3 | |
| 05:00 | 15:00 | 46.7 | 48.4 | 44.0 | 55.6 | |
| 05:15 | 15:00 | 47.3 | 49.5 | 44.3 | 56.4 | |
| 05:30 | 15:00 | 46.4 | 47.9 | 44.2 | 56.6 | |
| 05:45 | 15:00 | 51.5 | 53.5 | 44.6 | 67.4 | |
| 06:00 | 15:00 | 55.7 | 59.7 | 46.1 | 69.6 | |
| 06:15 | 15:00 | 53.9 | 55.1 | 45.2 | 71.4 | |
| 06:30 | 15:00 | 55.4 | 58.7 | 44.7 | 69.9 | |
| 06:45 | 15:00 | 50.4 | 53.0 | 43.4 | 70.4 | |
| Log Average 2300-0700 | | 49.5 | 52.2 | 44.1 | 51-71 | |
| Average 2300-0700 | | 48.4 | 50.8 | 43.8 | 51-71 | |
| Average 0700-2300 | | 49.2 | 50.6 | 42.7 | 53-77 | |

| | | | | | |
|-----------------------|------|------|------|-------|----------------|
| Log Average 2300-0700 | 48.9 | 51.6 | 42.9 | 51-71 | Excluding Rain |
|-----------------------|------|------|------|-------|----------------|

Noise Survey Results

Date: Monday 4th April 2022
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: Access Road & Lorry Park
Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**
Instrumentation: Cirrus 171A Real Time Analyser (G061253)
Calibration: 94dB

TABLE 10

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|-----------|----------------|
| 07:00 | 15:00 | 51.2 | 54.3 | 44.0 | 66.6 | Rain period |
| 07:15 | 15:00 | 50.0 | 51.5 | 45.0 | 67.1 | Rain period |
| 07:30 | 15:00 | 50.8 | 53.0 | 46.0 | 68.6 | Rain period |
| 07:45 | 15:00 | 52.5 | 52.8 | 46.3 | 68.5 | Rain period |
| 08:00 | 15:00 | 51.6 | 52.6 | 45.6 | 67.7 | Rain period |
| 08:15 | 15:00 | 51.8 | 53.2 | 44.7 | 68.5 | Rain period |
| 08:30 | 15:00 | 50.3 | 53.1 | 44.5 | 68.7 | Rain period |
| 08:45 | 15:00 | 52.5 | 53.2 | 45.0 | 68.7 | Rain period |
| 09:00 | 15:00 | 49.7 | 51.7 | 44.2 | 67.3 | |
| 09:15 | 15:00 | 51.3 | 53.2 | 44.3 | 67.2 | |
| 09:30 | 15:00 | 49.1 | 49.7 | 45.7 | 70.2 | |
| 09:45 | 15:00 | 51.0 | 50.5 | 45.5 | 71.3 | |
| 10:00 | 15:00 | 51.9 | 51.9 | 45.5 | 70.1 | |
| 10:15 | 15:00 | 54.3 | 53.8 | 45.2 | 75.2 | |
| 10:30 | 15:00 | 49.3 | 50.1 | 44.9 | 67.5 | |
| 10:45 | 15:00 | 50.3 | 52.7 | 44.8 | 67.1 | |
| 11:00 | 15:00 | 49.0 | 51.5 | 44.9 | 59.3 | |
| 11:15 | 15:00 | 48.6 | 50.8 | 43.7 | 69.1 | |
| 11:30 | 15:00 | 52.0 | 54.6 | 44.5 | 67.1 | |
| 11:45 | 15:00 | 49.6 | 50.8 | 44.5 | 68.0 | |
| 12:00 | 15:00 | 50.5 | 50.5 | 44.2 | 70.3 | |
| 12:15 | 15:00 | 47.1 | 48.7 | 43.8 | 61.1 | |
| 12:30 | 15:00 | 49.7 | 52.0 | 43.8 | 66.5 | |
| 12:45 | 15:00 | 50.3 | 52.6 | 44.5 | 64.1 | |
| 13:00 | 15:00 | 50.1 | 53.1 | 44.0 | 65.3 | |
| 13:15 | 15:00 | 50.0 | 53.0 | 45.2 | 61.5 | |
| 13:30 | 15:00 | 48.6 | 51.2 | 44.5 | 65.2 | |
| 13:45 | 15:00 | 50.1 | 51.6 | 44.5 | 67.7 | |
| 14:00 | 15:00 | 52.7 | 50.2 | 43.7 | 74.3 | |
| 14:15 | 15:00 | 49.0 | 51.8 | 44.4 | 61.5 | |
| 14:30 | 15:00 | 51.5 | 54.5 | 44.0 | 66.2 | |
| 14:45 | 15:00 | 49.5 | 52.4 | 45.3 | 68.3 | |
| Log Average 0700-1500 | | 50.7 | 52.3 | 44.7 | 59-75 | |
| Average 0700-1500 | | 50.5 | 52.1 | 44.7 | 59-75 | |
| Log Average 0700-1500 | | 50.6 | 52.1 | 44.6 | 59-75 | Excluding Rain |

Noise Survey Results

Date: Monday 4th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 11

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 15:00 | 15:00 | 51.4 | 52.6 | 44.4 | 69.9 | |
| 15:15 | 15:00 | 51.4 | 49.8 | 44.4 | 70.0 | |
| 15:30 | 15:00 | 51.1 | 53.4 | 45.2 | 70.2 | |
| 15:45 | 15:00 | 53.0 | 55.0 | 45.1 | 72.5 | |
| 16:00 | 15:00 | 49.5 | 48.1 | 44.3 | 71.3 | |
| 16:15 | 15:00 | 48.5 | 51.0 | 44.8 | 63.2 | |
| 16:30 | 15:00 | 48.5 | 50.6 | 45.4 | 60.4 | |
| 16:45 | 15:00 | 50.8 | 52.4 | 44.8 | 67.6 | |
| 17:00 | 15:00 | 47.4 | 48.6 | 44.7 | 64.4 | Rain period |
| 17:15 | 15:00 | 48.2 | 49.9 | 44.9 | 63.0 | Rain period |
| 17:30 | 15:00 | 50.1 | 53.0 | 44.9 | 64.7 | Rain period |
| 17:45 | 15:00 | 47.6 | 49.3 | 44.3 | 65.7 | Rain period |
| 18:00 | 15:00 | 49.7 | 50.7 | 44.2 | 69.0 | |
| 18:15 | 15:00 | 50.4 | 52.1 | 44.1 | 71.9 | |
| 18:30 | 15:00 | 49.7 | 51.4 | 43.4 | 71.3 | |
| 18:45 | 15:00 | 49.5 | 50.6 | 42.6 | 73.6 | |
| 19:00 | 15:00 | 59.0 | 57.6 | 42.4 | 75.2 | Rain period |
| 19:15 | 15:00 | 49.0 | 50.9 | 41.9 | 65.8 | Rain period |
| 19:30 | 15:00 | 47.9 | 47.4 | 41.3 | 65.7 | Rain period |
| 19:45 | 15:00 | 51.8 | 50.8 | 41.9 | 70.8 | Rain period |
| 20:00 | 15:00 | 49.0 | 49.9 | 41.8 | 68.0 | Rain period |
| 20:15 | 15:00 | 44.0 | 45.9 | 40.9 | 54.2 | Rain period |
| 20:30 | 15:00 | 44.1 | 46.2 | 41.2 | 53.8 | Rain period |
| 20:45 | 15:00 | 49.0 | 47.5 | 40.8 | 70.3 | Rain period |
| 21:00 | 15:00 | 43.5 | 45.2 | 41.1 | 56.7 | Rain period |
| 21:15 | 15:00 | 44.9 | 47.9 | 40.4 | 53.7 | Rain period |
| 21:30 | 15:00 | 52.9 | 48.1 | 41.2 | 72.6 | Rain period |
| 21:45 | 15:00 | 50.5 | 45.4 | 40.1 | 73.4 | Rain period |
| 22:00 | 15:00 | 44.9 | 44.8 | 40.1 | 63.6 | |
| 22:15 | 15:00 | 45.4 | 46.3 | 41.0 | 63.6 | |
| 22:30 | 15:00 | 43.3 | 45.3 | 40.6 | 56.4 | |
| 22:45 | 15:00 | 45.5 | 44.7 | 40.3 | 65.0 | |
| Log Average 1500-2300 | | 50.2 | 50.6 | 43.1 | 54-75 | |
| Average 1500-2300 | | 48.8 | 49.5 | 42.8 | 54-75 | |
| Log Average 1500-2300 | | 49.9 | 50.1 | 42.8 | 56-74 | Excluding Rain |

Noise Survey Results

Date: Monday 4th - Tuesday 5th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

TABLE 12

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 23:00 | 15:00 | 45.8 | 44.8 | 40.5 | 68.0 | Rain period |
| 23:15 | 15:00 | 41.8 | 43.7 | 39.1 | 51.5 | Rain period |
| 23:30 | 15:00 | 42.2 | 43.8 | 39.5 | 52.5 | Rain period |
| 23:45 | 15:00 | 54.4 | 44.6 | 38.8 | 73.1 | Rain period |
| 00:00 | 15:00 | 45.6 | 43.1 | 37.5 | 65.0 | Rain period |
| 00:15 | 15:00 | 43.6 | 43.0 | 38.1 | 63.7 | |
| 00:30 | 15:00 | 40.5 | 42.2 | 38.0 | 47.7 | |
| 00:45 | 15:00 | 55.2 | 46.0 | 39.0 | 72.6 | |
| 01:00 | 15:00 | 41.3 | 43.0 | 38.8 | 49.0 | |
| 01:15 | 15:00 | 42.2 | 43.8 | 39.6 | 49.6 | |
| 01:30 | 15:00 | 41.2 | 43.1 | 38.6 | 48.3 | |
| 01:45 | 15:00 | 41.5 | 43.5 | 38.7 | 49.5 | |
| 02:00 | 15:00 | 41.8 | 43.8 | 38.6 | 50.3 | |
| 02:15 | 15:00 | 41.2 | 43.0 | 38.3 | 49.4 | |
| 02:30 | 15:00 | 42.7 | 44.5 | 39.7 | 51.6 | |
| 02:45 | 15:00 | 43.4 | 45.7 | 40.6 | 50.3 | |
| 03:00 | 15:00 | 42.0 | 43.9 | 39.6 | 49.8 | |
| 03:15 | 15:00 | 42.1 | 43.9 | 39.6 | 50.3 | |
| 03:30 | 15:00 | 42.1 | 44.2 | 38.3 | 53.5 | |
| 03:45 | 15:00 | 41.4 | 43.6 | 38.5 | 52.1 | |
| 04:00 | 15:00 | 41.8 | 43.2 | 38.8 | 53.6 | |
| 04:15 | 15:00 | 42.4 | 44.5 | 39.0 | 50.3 | |
| 04:30 | 15:00 | 51.4 | 46.5 | 40.1 | 73.2 | |
| 04:45 | 15:00 | 43.7 | 45.0 | 40.5 | 64.1 | |
| 05:00 | 15:00 | 46.8 | 47.9 | 41.6 | 67.3 | |
| 05:15 | 15:00 | 45.9 | 48.4 | 42.6 | 55.5 | |
| 05:30 | 15:00 | 46.2 | 48.2 | 43.3 | 53.1 | |
| 05:45 | 15:00 | 51.3 | 51.6 | 43.7 | 70.1 | |
| 06:00 | 15:00 | 54.6 | 58.9 | 45.4 | 70.7 | |
| 06:15 | 15:00 | 56.7 | 59.8 | 46.8 | 73.2 | |
| 06:30 | 15:00 | 55.7 | 58.5 | 47.2 | 71.4 | |
| 06:45 | 15:00 | 52.5 | 56.1 | 46.9 | 68.0 | |
| Log Average 2300-0700 | | 49.2 | 50.7 | 41.5 | 48-73 | |
| Average 2300-0700 | | 45.7 | 46.4 | 40.5 | 48-73 | |
| Average 0700-2300 | | 50.5 | 51.5 | 44.0 | 56-75 | |
| | | | | | | |
| Log Average 2300-0700 | | 48.5 | 50.6 | 41.1 | 52-80 | Excluding Rain |

Noise Survey Results

Date: Tuesday 5th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

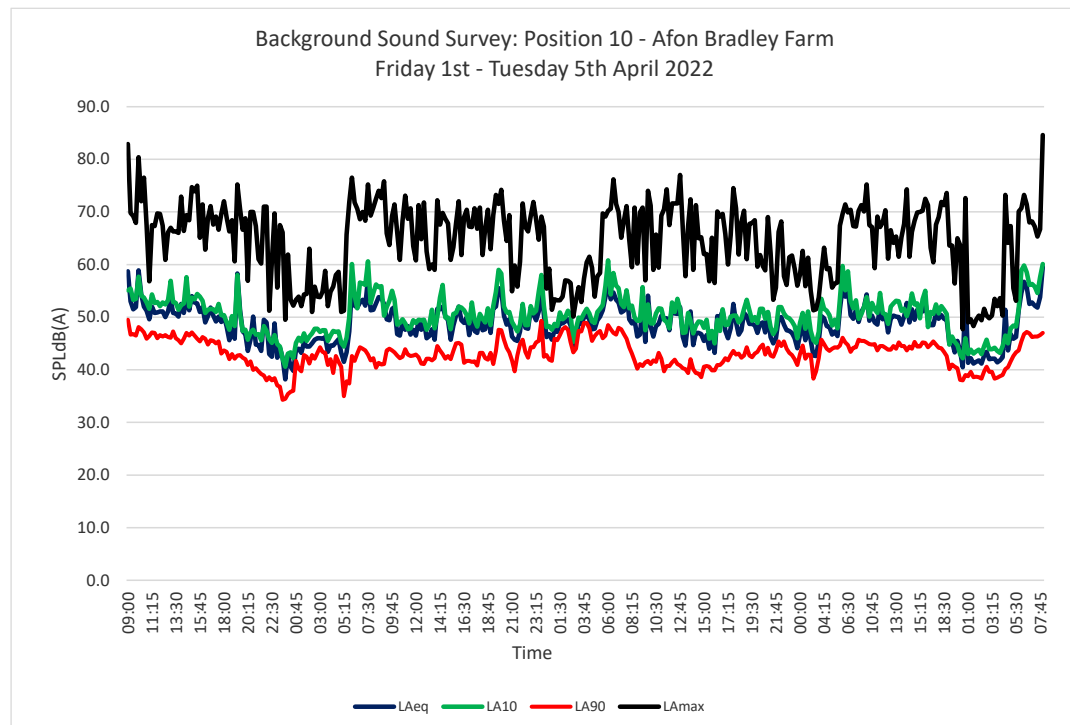
Data: **Baseline Sound Survey: Position 10 - Afon Bradley Farm**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

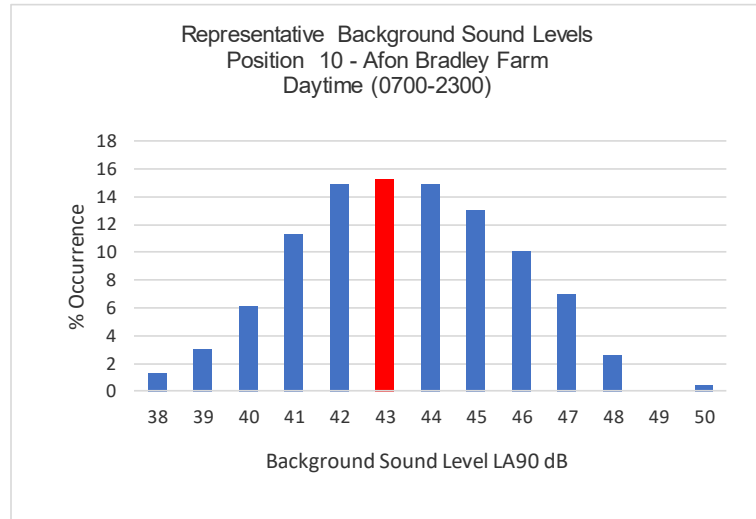
Calibration: 94dB

TABLE 13

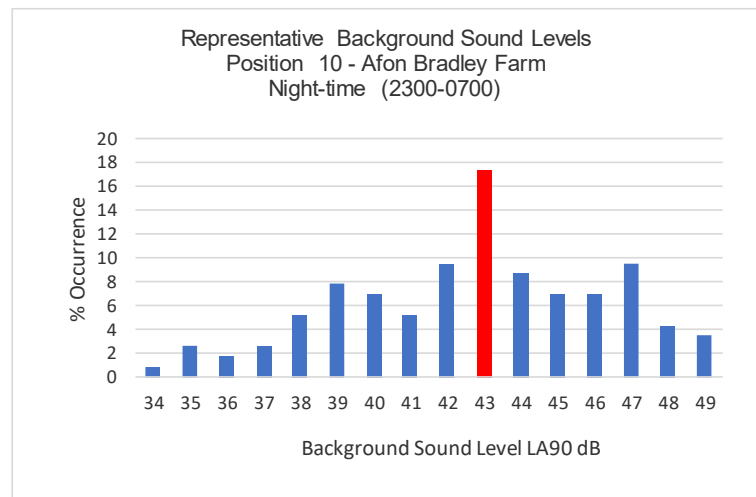
| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmx (dB) | Observations |
|----------------------------|------------------|-------------|-------------|-------------|--------------|-----------------------|
| 07:00 | 15:00 | 52.8 | 56.3 | 46.2 | 68.2 | |
| 07:15 | 15:00 | 52.2 | 55.8 | 46.3 | 67.2 | |
| 07:30 | 15:00 | 51.8 | 54.6 | 46.3 | 65.3 | |
| 07:45 | 15:00 | 53.8 | 57.6 | 46.6 | 66.7 | |
| 08:00 | 15:00 | 59.6 | 60.1 | 47.0 | 84.6 | |
| Log Average 0700-0815 | | 55.2 | 57.3 | 46.4 | 65-85 | |
| Average 0700-0815 | | 54.0 | 56.9 | 46.5 | 65-85 | |
| Overall Log Average | | 49.3 | 51.6 | 43.9 | 48-77 | |
| Overall Log Average | | 50.7 | 52.1 | 43.9 | 51-83 | |
| Overall Log Average | | 49.0 | 51.4 | 43.6 | 52-92 | Excluding Rain |
| Overall Log Average | | 50.7 | 52.1 | 43.9 | 51-83 | Excluding Rain |



| LA90 | % Occurrence |
|-----------|--------------|
| 38 | 1.3 |
| 39 | 3.1 |
| 40 | 6.1 |
| 41 | 11.4 |
| 42 | 14.8 |
| 43 | 15.3 |
| 44 | 14.8 |
| 45 | 13.1 |
| 46 | 10.0 |
| 47 | 7.0 |
| 48 | 2.6 |
| 49 | 0.0 |
| 50 | 0.4 |



| LA90 | % Occurrence |
|-----------|--------------|
| 34 | 0.9 |
| 35 | 2.6 |
| 36 | 1.7 |
| 37 | 2.6 |
| 38 | 5.2 |
| 39 | 7.8 |
| 40 | 7.0 |
| 41 | 5.2 |
| 42 | 9.6 |
| 43 | 17.4 |
| 44 | 8.7 |
| 45 | 7.0 |
| 46 | 7.0 |
| 47 | 9.6 |
| 48 | 4.3 |
| 49 | 3.5 |



Noise Survey Results

Date: Friday 1st April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 14

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------------------|
| 07:30 | 15:00 | 59.7 | 63.3 | 54.7 | 71.6 | Distant road traffic noise |
| 07:45 | 15:00 | 63.0 | 64.3 | 55.8 | 84.6 | Distant road traffic noise |
| 08:00 | 15:00 | 63.3 | 63.7 | 55.0 | 87.2 | |
| 08:15 | 15:00 | 60.9 | 62.5 | 53.2 | 79.5 | |
| 08:30 | 15:00 | 62.3 | 63.5 | 52.1 | 79.3 | |
| 08:45 | 15:00 | 61.8 | 63.1 | 52.8 | 78.5 | |
| 09:00 | 15:00 | 61.2 | 63.0 | 52.9 | 81.2 | |
| 09:15 | 15:00 | 61.1 | 62.2 | 50.4 | 81.2 | |
| 09:30 | 15:00 | 61.0 | 61.8 | 50.7 | 81.8 | |
| 09:45 | 15:00 | 62.0 | 64.7 | 51.6 | 78.2 | |
| 10:00 | 15:00 | 63.2 | 66.4 | 52.0 | 81.8 | |
| 10:15 | 15:00 | 62.2 | 63.5 | 52.1 | 81.5 | |
| 10:30 | 15:00 | 61.5 | 63.2 | 52.1 | 78.1 | |
| 10:45 | 15:00 | 60.2 | 61.6 | 50.7 | 77.9 | |
| 11:00 | 15:00 | 60.7 | 62.0 | 50.6 | 78.1 | |
| 11:15 | 15:00 | 61.0 | 63.3 | 51.9 | 77.7 | |
| 11:30 | 15:00 | 60.0 | 62.1 | 51.3 | 75.7 | |
| 11:45 | 15:00 | 60.0 | 60.9 | 50.5 | 78.6 | |
| 12:00 | 15:00 | 60.8 | 61.2 | 51.7 | 78.3 | |
| 12:15 | 15:00 | 60.3 | 62.0 | 51.7 | 77.3 | |
| 12:30 | 15:00 | 62.9 | 66.5 | 52.8 | 79.9 | |
| 12:45 | 15:00 | 61.4 | 63.5 | 51.3 | 79.3 | |
| 13:00 | 15:00 | 60.0 | 61.2 | 50.7 | 77.2 | |
| 13:15 | 15:00 | 62.2 | 63.1 | 52.2 | 80.4 | |
| 13:30 | 15:00 | 61.1 | 61.9 | 51.2 | 81.5 | |
| 13:45 | 15:00 | 60.8 | 60.2 | 50.1 | 83.3 | |
| 14:00 | 15:00 | 60.2 | 62.0 | 51.9 | 75.9 | |
| 14:15 | 15:00 | 59.3 | 61.4 | 50.9 | 74.9 | |
| 14:30 | 15:00 | 62.2 | 62.3 | 51.9 | 84.3 | |
| 14:45 | 15:00 | 65.7 | 63.3 | 53.1 | 91.8 | |
| Log Average 0730-1500 | | 61.6 | 63.0 | 52.2 | 72-92 | |
| Average 0730-1500 | | 61.4 | 62.8 | 52.0 | 72-92 | |

Noise Survey Results

Date: Friday 1st April 2022

TABLE 15

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 15:00 | 15:00 | 61.7 | 62.4 | 53.4 | 83.8 | |
| 15:15 | 15:00 | 61.6 | 63.6 | 53.0 | 78.0 | |
| 15:30 | 15:00 | 61.0 | 63.3 | 53.2 | 77.2 | |
| 15:45 | 15:00 | 61.7 | 63.1 | 52.9 | 78.9 | |
| 16:00 | 15:00 | 61.1 | 62.0 | 54.1 | 78.4 | |
| 16:15 | 15:00 | 61.4 | 63.4 | 53.5 | 78.4 | |
| 16:30 | 15:00 | 61.6 | 63.3 | 54.9 | 78.6 | |
| 16:45 | 15:00 | 60.7 | 62.7 | 53.1 | 75.1 | |
| 17:00 | 15:00 | 63.1 | 65.6 | 56.2 | 80.2 | |
| 17:15 | 15:00 | 62.7 | 63.5 | 54.0 | 83.3 | |
| 17:30 | 15:00 | 63.0 | 63.9 | 53.8 | 83.0 | |
| 17:45 | 15:00 | 60.6 | 62.3 | 52.4 | 77.4 | |
| 18:00 | 15:00 | 63.0 | 64.8 | 53.5 | 79.1 | |
| 18:15 | 15:00 | 60.8 | 62.6 | 52.2 | 77.0 | |
| 18:30 | 15:00 | 62.6 | 64.6 | 50.8 | 80.6 | |
| 18:45 | 15:00 | 60.9 | 62.6 | 49.9 | 80.0 | |
| 19:00 | 15:00 | 59.8 | 61.9 | 49.6 | 79.2 | |
| 19:15 | 15:00 | 59.8 | 62.4 | 48.5 | 78.2 | |
| 19:30 | 15:00 | 61.3 | 62.9 | 49.2 | 81.1 | |
| 19:45 | 15:00 | 60.5 | 61.6 | 50.6 | 77.4 | |
| 20:00 | 15:00 | 61.6 | 62.6 | 50.0 | 81.3 | |
| 20:15 | 15:00 | 59.7 | 61.3 | 47.0 | 76.7 | |
| 20:30 | 15:00 | 58.6 | 60.1 | 45.4 | 76.8 | |
| 20:45 | 15:00 | 59.7 | 61.0 | 45.4 | 79.7 | |
| 21:00 | 15:00 | 58.3 | 59.5 | 46.4 | 81.1 | |
| 21:15 | 15:00 | 59.2 | 60.9 | 45.7 | 76.9 | |
| 21:30 | 15:00 | 57.6 | 59.1 | 43.7 | 78.0 | |
| 21:45 | 15:00 | 57.3 | 58.3 | 43.4 | 79.1 | |
| 22:00 | 15:00 | 58.5 | 58.2 | 38.1 | 81.4 | |
| 22:15 | 15:00 | 57.0 | 58.3 | 42.9 | 75.3 | |
| 22:30 | 15:00 | 55.0 | 57.7 | 39.5 | 75.6 | |
| 22:45 | 15:00 | 54.8 | 55.9 | 40.5 | 77.9 | |
| Log Average 1500-2300 | | 60.6 | 62.2 | 51.2 | 75-84 | |
| Average 1500-2300 | | 60.2 | 61.7 | 49.3 | 75-84 | |

Noise Survey Results

Date: Friday 1st - Saturday 2nd April 2022
Location: Kronospan Ltd, Off Holyhead Road, Chirk
Client: Kronospan Ltd
Project: Access Road & Lorry Park

TABLE 16

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 54.3 | 55.6 | 39.0 | 78.7 | |
| 23:15 | 15:00 | 54.3 | 55.3 | 37.5 | 75.3 | |
| 23:30 | 15:00 | 51.5 | 53.6 | 33.1 | 72.9 | |
| 23:45 | 15:00 | 53.5 | 54.2 | 34.9 | 75.4 | |
| 00:00 | 15:00 | 64.2 | 56.2 | 37.2 | 92.3 | |
| 00:15 | 15:00 | 53.9 | 55.3 | 35.1 | 76.4 | |
| 00:30 | 15:00 | 52.6 | 56.1 | 36.7 | 67.8 | |
| 00:45 | 15:00 | 52.4 | 53.0 | 38.6 | 75.2 | |
| 01:00 | 15:00 | 52.6 | 50.9 | 39.7 | 76.3 | |
| 01:15 | 15:00 | 45.9 | 48.2 | 40.6 | 63.4 | |
| 01:30 | 15:00 | 55.3 | 50.5 | 40.3 | 79.7 | |
| 01:45 | 15:00 | 43.8 | 44.5 | 39.1 | 59.3 | |
| 02:00 | 15:00 | 52.5 | 50.6 | 39.1 | 77.9 | |
| 02:15 | 15:00 | 47.4 | 49.5 | 42.9 | 64.8 | |
| 02:30 | 15:00 | 47.2 | 49.1 | 41.7 | 61.6 | |
| 02:45 | 15:00 | 48.1 | 49.7 | 42.1 | 64.7 | |
| 03:00 | 15:00 | 47.8 | 49.2 | 44.5 | 61.0 | |
| 03:15 | 15:00 | 46.5 | 47.0 | 42.6 | 65.6 | |
| 03:30 | 15:00 | 51.9 | 51.5 | 42.6 | 74.6 | |
| 03:45 | 15:00 | 45.7 | 46.4 | 38.1 | 63.6 | |
| 04:00 | 15:00 | 46.5 | 49.7 | 37.4 | 65.1 | |
| 04:15 | 15:00 | 48.2 | 51.8 | 37.2 | 65.8 | |
| 04:30 | 15:00 | 47.2 | 50.7 | 37.9 | 64.3 | |
| 04:45 | 15:00 | 48.7 | 50.6 | 41.2 | 67.2 | |
| 05:00 | 15:00 | 49.4 | 53.4 | 40.4 | 63.2 | |
| 05:15 | 15:00 | 49.6 | 53.8 | 37.1 | 63.7 | |
| 05:30 | 15:00 | 62.8 | 57.4 | 39.9 | 89.1 | |
| 05:45 | 15:00 | 54.0 | 56.8 | 39.7 | 74.4 | |
| 06:00 | 15:00 | 53.9 | 58.1 | 42.7 | 74.9 | |
| 06:15 | 15:00 | 51.9 | 54.6 | 42.3 | 71.5 | |
| 06:30 | 15:00 | 55.3 | 57.4 | 44.7 | 73.9 | |
| 06:45 | 15:00 | 52.9 | 56.4 | 45.3 | 65.4 | |
| Log Average 2300-0700 | | 54.4 | 53.6 | 40.6 | 59-92 | |
| Average 2300-0700 | | 51.3 | 52.4 | 39.7 | 59-92 | |
| Log Average 0730-2300 | | 61.0 | 62.5 | 51.6 | 72-92 | |

Noise Survey Results

Date: Saturday 2nd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 17

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 55.6 | 58.1 | 46.0 | 77.0 | |
| 07:15 | 15:00 | 58.8 | 59.0 | 45.7 | 84.0 | |
| 07:30 | 15:00 | 56.6 | 58.8 | 46.7 | 74.9 | |
| 07:45 | 15:00 | 58.7 | 60.2 | 43.6 | 80.8 | |
| 08:00 | 15:00 | 56.9 | 59.3 | 46.3 | 75.6 | |
| 08:15 | 15:00 | 59.5 | 60.3 | 43.7 | 79.1 | |
| 08:30 | 15:00 | 57.9 | 61.4 | 46.3 | 73.7 | |
| 08:45 | 15:00 | 60.4 | 61.9 | 45.2 | 78.6 | |
| 09:00 | 15:00 | 56.4 | 57.9 | 42.7 | 75.6 | |
| 09:15 | 15:00 | 60.5 | 61.0 | 47.9 | 81.8 | |
| 09:30 | 15:00 | 58.9 | 59.5 | 48.0 | 75.0 | |
| 09:45 | 15:00 | 58.1 | 58.9 | 45.5 | 78.1 | |
| 10:00 | 15:00 | 58.9 | 60.5 | 48.0 | 79.6 | |
| 10:15 | 15:00 | 61.0 | 63.0 | 46.5 | 80.2 | |
| 10:30 | 15:00 | 60.6 | 62.1 | 46.5 | 77.8 | |
| 10:45 | 15:00 | 59.7 | 60.0 | 47.4 | 78.1 | |
| 11:00 | 15:00 | 59.2 | 60.5 | 48.5 | 77.5 | |
| 11:15 | 15:00 | 59.6 | 59.7 | 47.3 | 79.0 | |
| 11:30 | 15:00 | 61.0 | 62.4 | 48.8 | 79.9 | |
| 11:45 | 15:00 | 59.4 | 61.0 | 48.1 | 76.4 | |
| 12:00 | 15:00 | 60.1 | 61.0 | 48.9 | 80.1 | |
| 12:15 | 15:00 | 59.5 | 61.2 | 46.4 | 81.2 | |
| 12:30 | 15:00 | 59.9 | 61.1 | 46.6 | 76.5 | |
| 12:45 | 15:00 | 61.2 | 62.6 | 47.4 | 80.0 | |
| 13:00 | 15:00 | 59.8 | 60.6 | 47.6 | 77.6 | |
| 13:15 | 15:00 | 59.8 | 61.5 | 47.0 | 77.6 | |
| 13:30 | 15:00 | 60.1 | 61.8 | 45.8 | 77.9 | |
| 13:45 | 15:00 | 58.4 | 59.2 | 45.0 | 78.6 | |
| 14:00 | 15:00 | 60.6 | 62.0 | 47.7 | 77.6 | |
| 14:15 | 15:00 | 60.4 | 61.6 | 47.8 | 77.0 | |
| 14:30 | 15:00 | 58.0 | 58.8 | 46.4 | 75.9 | |
| 14:45 | 15:00 | 59.2 | 60.5 | 46.5 | 77.9 | |
| Log Average 0700-1500 | | 59.4 | 60.5 | 46.6 | 74-84 | |
| Average 0700-1500 | | 59.2 | 60.5 | 46.6 | 74-84 | |

Noise Survey Results

Date: Saturday 2nd April 2022

TABLE 18

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 15:00 | 15:00 | 61.2 | 61.7 | 46.6 | 83.8 | |
| 15:15 | 15:00 | 57.6 | 57.6 | 45.6 | 77.9 | |
| 15:30 | 15:00 | 59.3 | 59.9 | 46.0 | 77.4 | |
| 15:45 | 15:00 | 61.2 | 62.0 | 48.5 | 83.1 | |
| 16:00 | 15:00 | 62.5 | 61.9 | 50.0 | 84.8 | |
| 16:15 | 15:00 | 60.4 | 60.3 | 47.7 | 80.3 | |
| 16:30 | 15:00 | 58.9 | 59.1 | 44.0 | 76.6 | |
| 16:45 | 15:00 | 61.6 | 63.4 | 45.8 | 79.3 | |
| 17:00 | 15:00 | 58.7 | 59.4 | 46.6 | 76.0 | |
| 17:15 | 15:00 | 60.6 | 62.9 | 45.6 | 77.1 | |
| 17:30 | 15:00 | 61.1 | 62.8 | 47.9 | 81.6 | |
| 17:45 | 15:00 | 61.5 | 63.1 | 47.8 | 80.9 | |
| 18:00 | 15:00 | 59.2 | 60.5 | 47.0 | 76.5 | |
| 18:15 | 15:00 | 59.8 | 61.2 | 44.2 | 79.0 | |
| 18:30 | 15:00 | 59.1 | 58.5 | 44.5 | 77.6 | |
| 18:45 | 15:00 | 60.2 | 61.1 | 44.2 | 81.4 | |
| 19:00 | 15:00 | 59.5 | 60.5 | 45.7 | 77.1 | |
| 19:15 | 15:00 | 60.2 | 59.2 | 44.1 | 88.1 | |
| 19:30 | 15:00 | 60.2 | 63.0 | 47.1 | 77.5 | |
| 19:45 | 15:00 | 56.4 | 60.2 | 46.1 | 68.8 | |
| 20:00 | 15:00 | 61.0 | 62.5 | 48.0 | 84.0 | |
| 20:15 | 15:00 | 58.1 | 59.4 | 44.5 | 76.5 | |
| 20:30 | 15:00 | 58.3 | 59.1 | 43.9 | 77.8 | |
| 20:45 | 15:00 | 58.0 | 58.1 | 43.7 | 79.1 | |
| 21:00 | 15:00 | 58.2 | 58.6 | 42.8 | 76.6 | |
| 21:15 | 15:00 | 54.5 | 57.6 | 35.7 | 72.8 | |
| 21:30 | 15:00 | 57.8 | 58.5 | 44.5 | 77.3 | |
| 21:45 | 15:00 | 58.6 | 57.7 | 40.2 | 81.5 | |
| 22:00 | 15:00 | 57.8 | 59.0 | 46.7 | 76.6 | |
| 22:15 | 15:00 | 58.2 | 60.0 | 45.5 | 78.3 | |
| 22:30 | 15:00 | 52.7 | 55.5 | 41.6 | 73.1 | |
| 22:45 | 15:00 | 56.5 | 56.7 | 41.9 | 80.2 | |
| Log Average 1500-2300 | | 59.4 | 60.4 | 45.8 | 69-88 | |
| Average 1500-2300 | | 59.0 | 60.0 | 45.1 | 69-88 | |

Noise Survey Results

Date: Saturday 2nd - Sunday 3rd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 19

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 23:00 | 15:00 | 57.5 | 54.6 | 40.8 | 84.2 | |
| 23:15 | 15:00 | 63.5 | 57.9 | 43.3 | 91.1 | |
| 23:30 | 15:00 | 54.5 | 56.0 | 41.6 | 74.5 | |
| 23:45 | 15:00 | 57.2 | 59.2 | 46.9 | 77.2 | |
| 00:00 | 15:00 | 54.5 | 54.3 | 43.6 | 77.5 | |
| 00:15 | 15:00 | 53.8 | 56.2 | 41.6 | 75.9 | |
| 00:30 | 15:00 | 49.2 | 52.5 | 40.7 | 66.0 | |
| 00:45 | 15:00 | 50.2 | 53.5 | 43.1 | 65.6 | |
| 01:00 | 15:00 | 54.5 | 55.9 | 46.3 | 75.2 | |
| 01:15 | 15:00 | 56.6 | 56.2 | 46.2 | 77.9 | |
| 01:30 | 15:00 | 53.3 | 54.3 | 47.8 | 77.0 | |
| 01:45 | 15:00 | 52.0 | 51.8 | 46.5 | 72.9 | |
| 02:00 | 15:00 | 49.4 | 51.0 | 46.3 | 64.0 | |
| 02:15 | 15:00 | 51.0 | 51.9 | 48.5 | 62.8 | |
| 02:30 | 15:00 | 49.4 | 50.7 | 45.5 | 61.6 | |
| 02:45 | 15:00 | 45.4 | 45.4 | 42.7 | 65.3 | |
| 03:00 | 15:00 | 52.2 | 51.2 | 43.9 | 77.7 | |
| 03:15 | 15:00 | 49.6 | 50.6 | 47.4 | 62.9 | |
| 03:30 | 15:00 | 50.4 | 51.9 | 48.0 | 62.7 | |
| 03:45 | 15:00 | 50.3 | 50.9 | 48.3 | 63.8 | |
| 04:00 | 15:00 | 54.0 | 53.0 | 48.7 | 77.5 | |
| 04:15 | 15:00 | 55.1 | 55.4 | 47.9 | 76.2 | |
| 04:30 | 15:00 | 54.8 | 54.4 | 47.5 | 79.0 | |
| 04:45 | 15:00 | 48.3 | 50.1 | 42.9 | 64.2 | |
| 05:00 | 15:00 | 52.6 | 56.1 | 45.1 | 64.8 | |
| 05:15 | 15:00 | 53.4 | 55.2 | 46.6 | 76.2 | |
| 05:30 | 15:00 | 59.0 | 60.0 | 48.4 | 80.1 | |
| 05:45 | 15:00 | 55.8 | 57.7 | 46.9 | 81.7 | |
| 06:00 | 15:00 | 58.1 | 60.7 | 47.9 | 80.7 | |
| 06:15 | 15:00 | 60.8 | 59.9 | 44.1 | 86.0 | |
| 06:30 | 15:00 | 56.8 | 58.7 | 44.4 | 77.8 | |
| 06:45 | 15:00 | 58.5 | 59.9 | 45.8 | 78.5 | |
| Log Average 2300-0700 | | 55.6 | 55.9 | 46.0 | 62-91 | |
| Average 2300-0700 | | 53.8 | 54.6 | 45.5 | 62-91 | |
| Average 0700-2300 | | 59.4 | 60.6 | 46.3 | 69-88 | |

Noise Survey Results

Date: Sunday 3rd April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 20

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|-----------|--------------|
| 07:00 | 15:00 | 60.2 | 61.8 | 47.4 | 80.8 | |
| 07:15 | 15:00 | 61.2 | 63.9 | 47.4 | 78.7 | |
| 07:30 | 15:00 | 62.6 | 65.2 | 48.1 | 83.5 | |
| 07:45 | 15:00 | 61.0 | 62.9 | 48.8 | 77.9 | |
| 08:00 | 15:00 | 60.0 | 61.9 | 44.2 | 77.4 | |
| 08:15 | 15:00 | 61.8 | 63.7 | 47.8 | 83.0 | |
| 08:30 | 15:00 | 63.9 | 67.7 | 48.1 | 82.4 | |
| 08:45 | 15:00 | 61.7 | 63.5 | 47.1 | 79.6 | |
| 09:00 | 15:00 | 62.9 | 66.2 | 49.5 | 83.1 | |
| 09:15 | 15:00 | 62.9 | 66.7 | 50.1 | 80.6 | |
| 09:30 | 15:00 | 64.2 | 68.5 | 50.8 | 81.7 | |
| 09:45 | 15:00 | 63.6 | 68.0 | 51.2 | 77.2 | |
| 10:00 | 15:00 | 63.7 | 66.9 | 49.3 | 85.4 | |
| 10:15 | 15:00 | 63.6 | 67.7 | 52.4 | 77.7 | |
| 10:30 | 15:00 | 63.0 | 65.7 | 50.3 | 78.6 | |
| 10:45 | 15:00 | 65.4 | 66.5 | 53.4 | 88.7 | |
| 11:00 | 15:00 | 66.8 | 66.6 | 53.8 | 90.3 | |
| 11:15 | 15:00 | 61.8 | 65.0 | 52.0 | 82.9 | |
| 11:30 | 15:00 | 61.8 | 65.5 | 51.9 | 77.8 | |
| 11:45 | 15:00 | 60.9 | 64.5 | 52.3 | 74.6 | |
| 12:00 | 15:00 | 60.6 | 63.5 | 52.5 | 77.3 | |
| 12:15 | 15:00 | 61.2 | 62.9 | 51.2 | 78.8 | |
| 12:30 | 15:00 | 62.3 | 65.4 | 50.7 | 79.4 | |
| 12:45 | 15:00 | 61.1 | 63.0 | 50.2 | 79.1 | |
| 13:00 | 15:00 | 61.7 | 63.9 | 52.2 | 78.3 | |
| 13:15 | 15:00 | 58.8 | 60.9 | 49.8 | 74.1 | |
| 13:30 | 15:00 | 57.6 | 58.5 | 46.4 | 75.9 | |
| 13:45 | 15:00 | 58.7 | 60.0 | 49.6 | 77.3 | |
| 14:00 | 15:00 | 60.6 | 62.8 | 50.6 | 77.6 | |
| 14:15 | 15:00 | 59.5 | 60.9 | 48.5 | 76.8 | |
| 14:30 | 15:00 | 59.8 | 60.9 | 49.9 | 79.3 | |
| 14:45 | 15:00 | 59.8 | 60.8 | 46.9 | 78.5 | |
| Log Average 0700-1500 | | 62.1 | 64.8 | 50.3 | 74-90 | |
| Average 0700-1500 | | 61.7 | 64.1 | 49.8 | 74-90 | |

Noise Survey Results

Date: Sunday 3rd April 2022

TABLE 21

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmx (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|-----------|--------------|
| 15:00 | 15:00 | 58.4 | 59.6 | 50.3 | 76.0 | |
| 15:15 | 15:00 | 59.7 | 60.6 | 50.4 | 79.6 | |
| 15:30 | 15:00 | 59.5 | 60.4 | 50.5 | 79.4 | |
| 15:45 | 15:00 | 60.5 | 61.6 | 50.6 | 79.2 | |
| 16:00 | 15:00 | 62.9 | 61.4 | 49.8 | 90.0 | |
| 16:15 | 15:00 | 59.3 | 60.8 | 51.0 | 75.9 | |
| 16:30 | 15:00 | 60.4 | 62.1 | 51.2 | 79.6 | |
| 16:45 | 15:00 | 62.1 | 62.3 | 50.6 | 86.5 | |
| 17:00 | 15:00 | 60.2 | 61.0 | 49.2 | 78.9 | |
| 17:15 | 15:00 | 58.4 | 60.1 | 48.7 | 75.6 | |
| 17:30 | 15:00 | 59.5 | 60.8 | 49.1 | 78.8 | |
| 17:45 | 15:00 | 58.8 | 60.5 | 49.2 | 80.1 | |
| 18:00 | 15:00 | 58.3 | 60.3 | 50.1 | 76.5 | |
| 18:15 | 15:00 | 61.9 | 62.6 | 50.4 | 83.3 | |
| 18:30 | 15:00 | 61.9 | 61.4 | 46.3 | 85.9 | |
| 18:45 | 15:00 | 58.8 | 60.3 | 47.5 | 78.5 | |
| 19:00 | 15:00 | 58.3 | 60.3 | 47.4 | 74.9 | |
| 19:15 | 15:00 | 57.2 | 58.6 | 45.4 | 76.4 | |
| 19:30 | 15:00 | 56.5 | 58.2 | 43.3 | 76.3 | |
| 19:45 | 15:00 | 57.4 | 58.5 | 44.9 | 77.5 | |
| 20:00 | 15:00 | 56.6 | 58.7 | 46.4 | 76.1 | |
| 20:15 | 15:00 | 55.2 | 56.7 | 43.7 | 77.1 | |
| 20:30 | 15:00 | 57.7 | 59.5 | 44.4 | 74.6 | |
| 20:45 | 15:00 | 54.8 | 56.0 | 43.4 | 76.6 | |
| 21:00 | 15:00 | 56.4 | 59.0 | 43.8 | 75.7 | |
| 21:15 | 15:00 | 57.6 | 59.2 | 43.8 | 77.4 | |
| 21:30 | 15:00 | 56.3 | 56.8 | 42.4 | 76.9 | |
| 21:45 | 15:00 | 57.3 | 59.5 | 44.7 | 78.9 | |
| 22:00 | 15:00 | 56.4 | 58.6 | 46.0 | 75.2 | |
| 22:15 | 15:00 | 54.8 | 57.6 | 45.1 | 71.4 | |
| 22:30 | 15:00 | 53.6 | 55.2 | 45.4 | 76.0 | |
| 22:45 | 15:00 | 53.7 | 54.1 | 43.9 | 77.4 | |
| Log Average 1500-2300 | | 58.7 | 59.8 | 48.0 | 71-90 | |
| Average 1500-2300 | | 58.1 | 59.4 | 47.2 | 71-90 | |

Noise Survey Results

Date: Sunday 3rd - Monday 4th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 22

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 23:00 | 15:00 | 53.8 | 54.2 | 43.6 | 75.5 | |
| 23:15 | 15:00 | 52.5 | 53.5 | 42.8 | 73.7 | |
| 23:30 | 15:00 | 49.7 | 52.6 | 42.4 | 65.8 | |
| 23:45 | 15:00 | 44.7 | 46.9 | 39.7 | 63.2 | |
| 00:00 | 15:00 | 49.2 | 51.0 | 42.9 | 66.7 | |
| 00:15 | 15:00 | 48.6 | 51.4 | 44.2 | 64.4 | |
| 00:30 | 15:00 | 55.2 | 50.8 | 41.6 | 79.9 | |
| 00:45 | 15:00 | 49.4 | 51.7 | 43.6 | 67.9 | |
| 01:00 | 15:00 | 49.1 | 50.4 | 41.9 | 69.4 | |
| 01:15 | 15:00 | 50.5 | 50.6 | 38.8 | 73.1 | |
| 01:30 | 15:00 | 47.8 | 46.5 | 38.9 | 66.8 | |
| 01:45 | 15:00 | 47.5 | 48.1 | 41.9 | 63.0 | |
| 02:00 | 15:00 | 52.0 | 55.5 | 45.4 | 66.2 | |
| 02:15 | 15:00 | 52.6 | 52.4 | 46.2 | 76.0 | |
| 02:30 | 15:00 | 51.2 | 51.0 | 44.9 | 73.1 | |
| 02:45 | 15:00 | 52.1 | 53.5 | 45.9 | 71.6 | |
| 03:00 | 15:00 | 52.9 | 54.8 | 45.4 | 74.4 | |
| 03:15 | 15:00 | 51.2 | 52.7 | 45.8 | 68.8 | |
| 03:30 | 15:00 | 49.9 | 51.7 | 46.0 | 66.8 | |
| 03:45 | 15:00 | 52.8 | 56.1 | 46.4 | 66.0 | |
| 04:00 | 15:00 | 54.0 | 57.2 | 46.7 | 68.3 | |
| 04:15 | 15:00 | 52.0 | 55.0 | 45.2 | 67.2 | |
| 04:30 | 15:00 | 54.5 | 58.8 | 45.6 | 67.7 | |
| 04:45 | 15:00 | 54.5 | 58.7 | 44.3 | 67.7 | |
| 05:00 | 15:00 | 58.6 | 62.1 | 46.8 | 76.5 | |
| 05:15 | 15:00 | 57.9 | 61.9 | 47.5 | 70.3 | |
| 05:30 | 15:00 | 57.5 | 61.1 | 47.9 | 67.3 | |
| 05:45 | 15:00 | 59.4 | 62.4 | 48.3 | 77.5 | |
| 06:00 | 15:00 | 58.9 | 62.0 | 51.3 | 76.4 | |
| 06:15 | 15:00 | 57.5 | 61.3 | 48.5 | 69.8 | |
| 06:30 | 15:00 | 60.9 | 63.5 | 51.0 | 80.1 | |
| 06:45 | 15:00 | 60.4 | 63.0 | 50.3 | 77.3 | |
| Log Average 2300-0700 | | 54.9 | 57.7 | 46.1 | 63-80 | |
| Average 2300-0700 | | 53.1 | 55.1 | 45.1 | 63-80 | |
| Average 0700-2300 | | 60.7 | 63.0 | 49.3 | 71-90 | |
| | | | | | | |
| Log Average 2300-0700 | | 54.9 | 57.9 | 45.5 | 63-80 | Excluding Rain |

Noise Survey Results

Date: Monday 4th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 23

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 07:00 | 15:00 | 61.6 | 62.8 | 51.6 | 83.1 | |
| 07:15 | 15:00 | 61.5 | 64.0 | 54.3 | 77.2 | |
| 07:30 | 15:00 | 62.1 | 64.3 | 55.6 | 77.4 | |
| 07:45 | 15:00 | 63.6 | 65.2 | 56.7 | 80.0 | |
| 08:00 | 15:00 | 63.4 | 65.2 | 56.1 | 79.2 | |
| 08:15 | 15:00 | 61.4 | 63.5 | 54.7 | 77.9 | |
| 08:30 | 15:00 | 62.0 | 64.3 | 54.2 | 77.6 | |
| 08:45 | 15:00 | 62.5 | 64.8 | 54.6 | 79.6 | |
| 09:00 | 15:00 | 62.5 | 63.9 | 51.5 | 80.1 | |
| 09:15 | 15:00 | 60.8 | 63.0 | 52.8 | 76.4 | |
| 09:30 | 15:00 | 62.7 | 64.3 | 54.3 | 81.7 | |
| 09:45 | 15:00 | 63.7 | 65.5 | 54.8 | 83.2 | |
| 10:00 | 15:00 | 60.9 | 63.2 | 53.3 | 77.4 | |
| 10:15 | 15:00 | 61.9 | 64.2 | 54.5 | 76.5 | |
| 10:30 | 15:00 | 61.2 | 63.4 | 53.3 | 76.3 | |
| 10:45 | 15:00 | 62.9 | 64.7 | 52.8 | 79.0 | |
| 11:00 | 15:00 | 64.0 | 64.2 | 53.4 | 89.1 | |
| 11:15 | 15:00 | 61.4 | 63.5 | 53.5 | 77.6 | |
| 11:30 | 15:00 | 64.7 | 64.6 | 52.7 | 91.0 | |
| 11:45 | 15:00 | 62.3 | 64.5 | 53.4 | 78.8 | |
| 12:00 | 15:00 | 62.0 | 63.8 | 52.3 | 78.8 | |
| 12:15 | 15:00 | 63.6 | 66.1 | 53.9 | 78.5 | |
| 12:30 | 15:00 | 62.1 | 64.3 | 53.6 | 78.6 | |
| 12:45 | 15:00 | 63.5 | 64.8 | 54.8 | 83.9 | |
| 13:00 | 15:00 | 61.7 | 63.5 | 52.6 | 80.9 | |
| 13:15 | 15:00 | 62.1 | 64.1 | 54.0 | 77.7 | |
| 13:30 | 15:00 | 62.2 | 63.5 | 53.3 | 81.1 | |
| 13:45 | 15:00 | 60.8 | 63.2 | 53.0 | 75.4 | |
| 14:00 | 15:00 | 60.7 | 63.3 | 52.2 | 74.9 | |
| 14:15 | 15:00 | 61.5 | 63.4 | 54.0 | 78.1 | |
| 14:30 | 15:00 | 67.8 | 69.8 | 57.0 | 84.4 | |
| 14:45 | 15:00 | 62.1 | 63.8 | 56.2 | 78.8 | |
| Log Average 0700-1500 | | 62.6 | 64.5 | 54.1 | 75-91 | |
| Average 0700-1500 | | 62.4 | 64.3 | 53.9 | 75-91 | |
| Log Average 0700-1500 | | 62.7 | 64.5 | 53.8 | 76-91 | Excluding Rain |

Noise Survey Results

Date: Monday 4th April 2022

TABLE 24

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 15:00 | 15:00 | 62.8 | 65.3 | 55.9 | 77.4 | |
| 15:15 | 15:00 | 62.9 | 64.8 | 55.2 | 81.8 | |
| 15:30 | 15:00 | 62.7 | 65.1 | 54.7 | 76.9 | |
| 15:45 | 15:00 | 63.0 | 64.7 | 56.9 | 78.1 | |
| 16:00 | 15:00 | 62.5 | 64.8 | 53.7 | 80.7 | |
| 16:15 | 15:00 | 62.0 | 64.1 | 55.8 | 78.4 | |
| 16:30 | 15:00 | 62.5 | 64.3 | 55.6 | 78.9 | |
| 16:45 | 15:00 | 61.5 | 63.5 | 54.3 | 76.3 | |
| 17:00 | 15:00 | 62.6 | 64.3 | 56.7 | 78.4 | |
| 17:15 | 15:00 | 61.8 | 63.5 | 56.0 | 79.0 | |
| 17:30 | 15:00 | 61.7 | 64.1 | 54.9 | 75.7 | |
| 17:45 | 15:00 | 62.3 | 64.0 | 53.7 | 82.5 | |
| 18:00 | 15:00 | 61.9 | 64.0 | 55.3 | 76.2 | |
| 18:15 | 15:00 | 60.8 | 62.8 | 51.3 | 77.8 | |
| 18:30 | 15:00 | 61.4 | 63.5 | 52.2 | 76.4 | |
| 18:45 | 15:00 | 60.3 | 62.3 | 50.7 | 78.7 | |
| 19:00 | 15:00 | 61.7 | 63.9 | 49.5 | 79.5 | |
| 19:15 | 15:00 | 59.1 | 61.1 | 47.3 | 80.1 | |
| 19:30 | 15:00 | 58.2 | 60.3 | 46.8 | 76.4 | |
| 19:45 | 15:00 | 58.6 | 60.6 | 49.5 | 75.7 | |
| 20:00 | 15:00 | 58.6 | 61.5 | 48.8 | 74.5 | |
| 20:15 | 15:00 | 57.0 | 59.5 | 45.7 | 76.1 | |
| 20:30 | 15:00 | 60.2 | 61.4 | 46.7 | 79.6 | |
| 20:45 | 15:00 | 56.8 | 58.6 | 42.9 | 77.2 | |
| 21:00 | 15:00 | 57.1 | 59.8 | 45.7 | 76.4 | |
| 21:15 | 15:00 | 57.3 | 60.3 | 44.6 | 76.4 | |
| 21:30 | 15:00 | 59.1 | 61.1 | 43.6 | 76.7 | |
| 21:45 | 15:00 | 58.0 | 59.6 | 43.2 | 77.7 | |
| 22:00 | 15:00 | 56.8 | 58.3 | 42.3 | 78.8 | |
| 22:15 | 15:00 | 53.9 | 56.2 | 43.3 | 76.3 | |
| 22:30 | 15:00 | 51.2 | 53.9 | 42.2 | 75.0 | |
| 22:45 | 15:00 | 54.4 | 56.8 | 41.5 | 75.5 | |
| Log Average 1500-2300 | | 60.5 | 62.5 | 52.3 | 75-83 | |
| Average 1500-2300 | | 59.7 | 61.8 | 49.9 | 75-83 | |
| Log Average 1500-2300 | | 61.0 | 63.1 | 53.4 | 75-83 | Excluding Rain |

Noise Survey Results

Date: Monday 4th - Tuesday 5th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

Calibration: 94dB

TABLE 25

| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|----------------|
| 23:00 | 15:00 | 55.8 | 55.5 | 41.6 | 77.5 | |
| 23:15 | 15:00 | 51.0 | 53.6 | 40.3 | 72.1 | |
| 23:30 | 15:00 | 53.3 | 55.2 | 41.0 | 70.2 | |
| 23:45 | 15:00 | 53.2 | 53.7 | 39.8 | 75.4 | |
| 00:00 | 15:00 | 55.3 | 55.0 | 39.9 | 75.2 | |
| 00:15 | 15:00 | 51.3 | 53.8 | 38.7 | 72.8 | |
| 00:30 | 15:00 | 48.5 | 52.4 | 39.7 | 63.9 | |
| 00:45 | 15:00 | 53.0 | 49.7 | 40.0 | 68.7 | |
| 01:00 | 15:00 | 48.9 | 45.6 | 40.2 | 73.4 | |
| 01:15 | 15:00 | 46.7 | 47.3 | 40.5 | 64.9 | |
| 01:30 | 15:00 | 49.2 | 48.5 | 39.9 | 71.7 | |
| 01:45 | 15:00 | 47.4 | 46.9 | 39.3 | 67.6 | |
| 02:00 | 15:00 | 42.0 | 43.8 | 39.3 | 51.5 | |
| 02:15 | 15:00 | 46.8 | 47.2 | 38.9 | 66.3 | |
| 02:30 | 15:00 | 46.4 | 45.0 | 40.3 | 66.5 | |
| 02:45 | 15:00 | 51.2 | 48.9 | 40.8 | 77.5 | |
| 03:00 | 15:00 | 44.7 | 45.8 | 40.1 | 60.1 | |
| 03:15 | 15:00 | 49.3 | 50.7 | 40.5 | 68.2 | |
| 03:30 | 15:00 | 48.3 | 50.9 | 39.6 | 65.4 | |
| 03:45 | 15:00 | 51.5 | 54.3 | 39.8 | 67.9 | |
| 04:00 | 15:00 | 50.8 | 54.2 | 40.5 | 67.3 | |
| 04:15 | 15:00 | 52.0 | 55.7 | 40.9 | 66.2 | |
| 04:30 | 15:00 | 55.8 | 58.8 | 42.4 | 77.9 | |
| 04:45 | 15:00 | 53.9 | 57.9 | 42.0 | 68.6 | |
| 05:00 | 15:00 | 57.0 | 60.9 | 46.4 | 69.9 | |
| 05:15 | 15:00 | 57.3 | 61.0 | 46.8 | 69.4 | |
| 05:30 | 15:00 | 58.5 | 61.9 | 49.4 | 71.0 | |
| 05:45 | 15:00 | 57.8 | 61.4 | 48.0 | 69.6 | |
| 06:00 | 15:00 | 58.4 | 61.6 | 50.5 | 73.3 | |
| 06:15 | 15:00 | 58.9 | 61.6 | 50.8 | 74.3 | |
| 06:30 | 15:00 | 61.3 | 63.4 | 53.7 | 80.0 | |
| 06:45 | 15:00 | 59.9 | 62.7 | 51.5 | 78.2 | |
| Log Average 2300-0700 | | 54.7 | 57.3 | 45.3 | 52-80 | |
| Average 2300-0700 | | 52.4 | 53.9 | 42.6 | 52-80 | |
| Average 0700-2300 | | 61.7 | 63.6 | 53.3 | 75-91 | |
| | | | | | | |
| Log Average 2300-0700 | | 54.1 | 56.9 | 45.1 | 52-80 | Excluding Rain |

Noise Survey Results

Date: Tuesday 5th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

Client: Kronospan Ltd

Project: Access Road & Lorry Park

Data: **Baseline Sound Survey: Position 11 - Opposite Lodge Farm Cottage**

Instrumentation: Cirrus 171B Real Time Analyser (G066350)

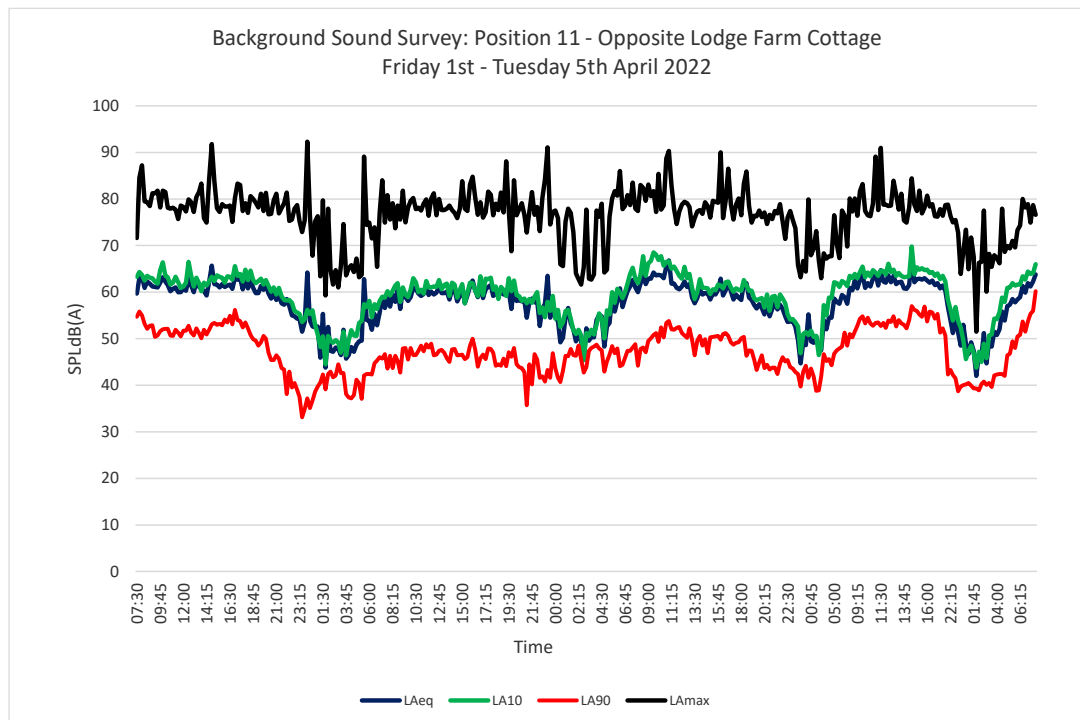
Calibration: 94dB

TABLE 26

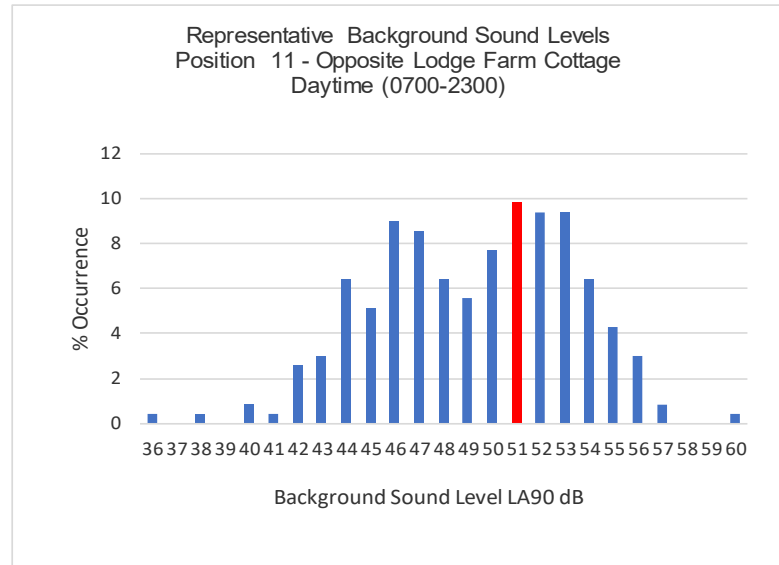
| Start Time | Run Time (mins.) | LAeq (dB) | LA10 (dB) | LA90 (dB) | LAmix (dB) | Observations |
|-----------------------|------------------|-----------|-----------|-----------|------------|--------------|
| 07:00 | 15:00 | 61.9 | 64.4 | 53.7 | 78.9 | |
| 07:15 | 15:00 | 61.2 | 63.9 | 55.3 | 74.9 | |
| 07:30 | 15:00 | 62.3 | 64.1 | 56.0 | 78.7 | |
| 07:45 | 15:00 | 63.8 | 66.0 | 60.2 | 76.6 | |
| Log Average 0700-0800 | | 62.4 | 64.6 | 57.0 | 75-79 | |
| Average 0700-0800 | | 62.3 | 64.6 | 56.3 | 75-79 | |

| | | | | | |
|----------------------------|-------------|-------------|-------------|--------------|--|
| Overall Log Average | 57.7 | 60.8 | 49.1 | 52-92 | |
| Overall Log Average | 60.1 | 60.3 | 50.1 | 69-92 | |

| | | | | | |
|----------------------------|-------------|-------------|-------------|--------------|-----------------------|
| Overall Log Average | 54.8 | 56.2 | 44.7 | 52-92 | Excluding Rain |
| Overall Log Average | 60.8 | 62.6 | 50.9 | 69-92 | Excluding Rain |



| LA90 | % Occurrence |
|-----------|--------------|
| 36 | 0.4 |
| 37 | 0.0 |
| 38 | 0.4 |
| 39 | 0.0 |
| 40 | 0.9 |
| 41 | 0.4 |
| 42 | 2.6 |
| 43 | 3.0 |
| 44 | 6.4 |
| 45 | 5.1 |
| 46 | 9.0 |
| 47 | 8.5 |
| 48 | 6.4 |
| 49 | 5.6 |
| 50 | 7.7 |
| 51 | 9.8 |
| 52 | 9.4 |
| 53 | 9.4 |
| 54 | 6.4 |
| 55 | 4.3 |
| 56 | 3.0 |
| 57 | 0.9 |
| 58 | 0.0 |
| 59 | 0.0 |
| 60 | 0.4 |



| LA90 | % Occurrence |
|-----------|--------------|
| 33 | 0.9 |
| 34 | 0.0 |
| 35 | 1.7 |
| 36 | 0.0 |
| 37 | 4.3 |
| 38 | 2.6 |
| 39 | 7.8 |
| 40 | 8.7 |
| 41 | 6.1 |
| 42 | 16.5 |
| 43 | 7.8 |
| 44 | 7.0 |
| 45 | 4.3 |
| 46 | 6.1 |
| 47 | 7.0 |
| 48 | 9.6 |
| 49 | 3.5 |
| 50 | 0.9 |
| 51 | 3.5 |
| 52 | 0.9 |
| 53 | 0.0 |
| 54 | 0.9 |

