

APPENDIX 8.3

BASELINE NOISE SURVEY RESULTS

July – August 2021 Baseline Survey

Statistical Analysis of Data Set (including rain affected periods)

With Rain	Position 1 Linden Avenue	Position 1 Night	Position 2 Wern	Position 2 Night	Position 3 George Street	Position 3 Night	Position 4 Maes-y-waun	Position 4 Night	Position 5 Hadley Close	Position 5 Night	Position 6 Station Av. (Mondelez)	Position 6 Night	Position 7 Canalwood Ind Est	Position 7 Night	Position 8 Llwyn-y-cil Road	Position 8 Night	Position 9 Castle Gates	Position 9 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

Statistical Analysis of Data Set (excluding rain affected periods)

Without Rain	Position 1 Linden Avenue	Position 1 Night	Position 2 Wern	Position 2 Night	Position 3 George Street	Position 3 Night	Position 4 Maes-y-waun	Position 4 Night	Position 5 Hadley Close	Position 5 Night	Position 6 Station Av. (Mondelez)	Position 6 Night	Position 7 Canalwood Ind Est	Position 7 Night	Position 8 Llwyn-y-cil Road	Position 8 Night	Position 9 Castle Gates	Position 9 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

PHOTOGRAPHS OF MONITORING POSITIONS

Position 1: 2 Linden Avenue



Position 2: No. 3 Wern



Position 3: 23 George Street (near West View)



Position 4: Chirk Court (adjacent to Maes y Waun)



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



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



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



Position 7: Canalwood Industrial Estate



Position 8: Manatton Llwyn-y-cil Road



Position 9: New Hall Farm – Castle Gates



Position 10: Afon Bradley Farm



Position 11: Opposite to Lodge Farm Cottage



BASELINE SURVEY RESULTS

July – August 2021 Baseline Survey

Noise Survey Results

Date: Tuesday 27th July 2021

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 1

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
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
 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 2

Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (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	
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	Rain
17:15	15:00	40.6	33.9	60.3	
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	Rain
21:15	15:00	59.9	41.1	68.4	
21:30	15:00	39.9	35.8	53.6	
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

TABLE 3

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	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

TABLE 4

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
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	Rain
20:30	15:00	45.1	42.7	59.3	
20:45	15:00	44.9	40.7	57.4	
21:00	15:00	42.5	40.9	53.1	
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

TABLE 6

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	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

TABLE 7

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
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**

TABLE 9

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	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

TABLE 10

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
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**

TABLE 12

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	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

TABLE 13

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
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

TABLE 16

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
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**

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

Calibration: 94dB

TABLE 18

Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmix (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

TABLE 19

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

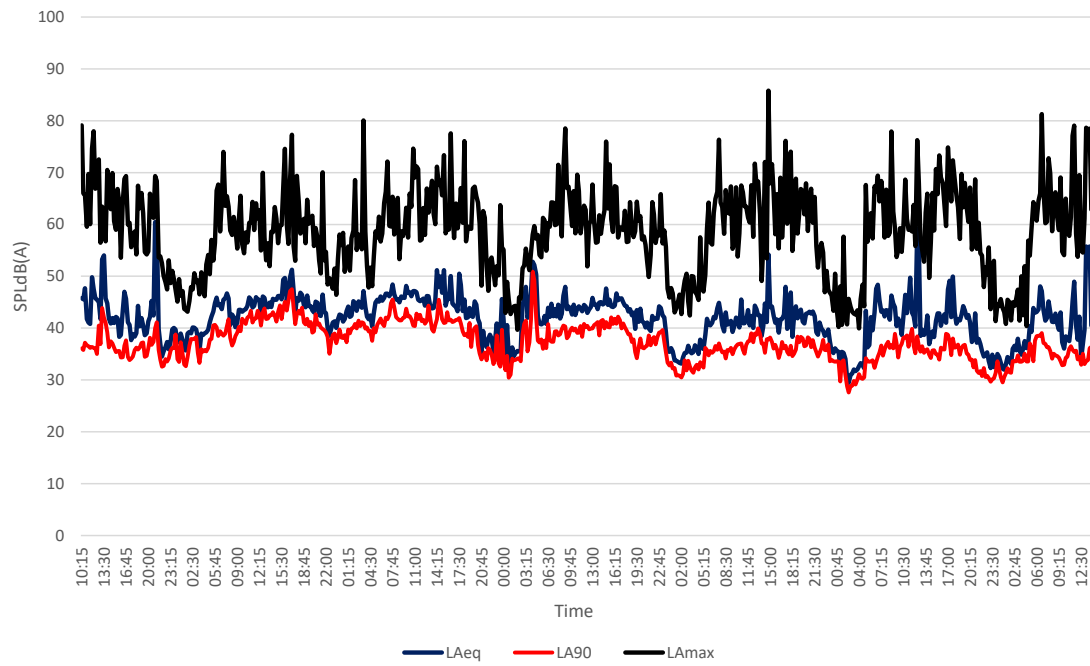
Data: **Position 1 - 2 Linden Avenue**

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

Calibration: 94dB

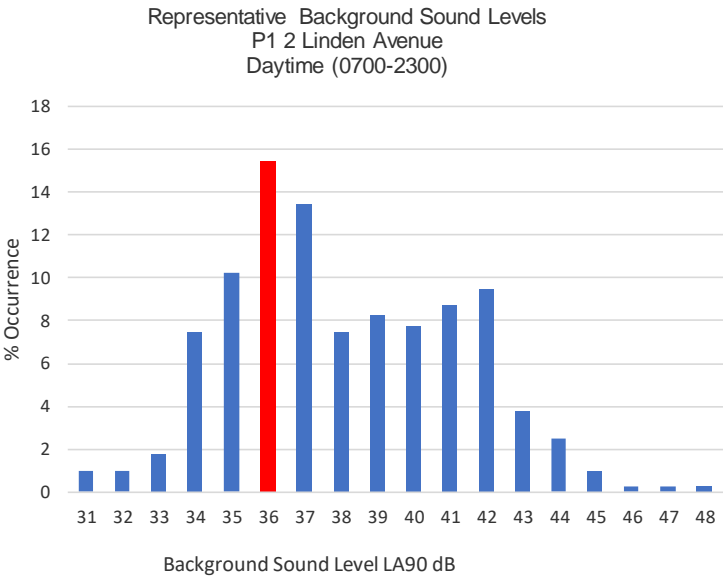
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
07:00	15:00	43.5	37.2	66.9	
07:15	15:00	41.5	37.0	60.3	
07:30	15:00	42.0	36.4	60.5	
07:45	15:00	45.1	36.3	72.8	
08:00	15:00	43.1	35.6	69.8	
08:15	15:00	41.2	34.1	58.7	
08:30	15:00	41.2	35.0	64.8	
08:45	15:00	42.8	34.8	66.2	
09:00	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

Background Sound Survey: Position 1 Linden Avenue
Tuesday 27th July - Monday 2nd August 2021

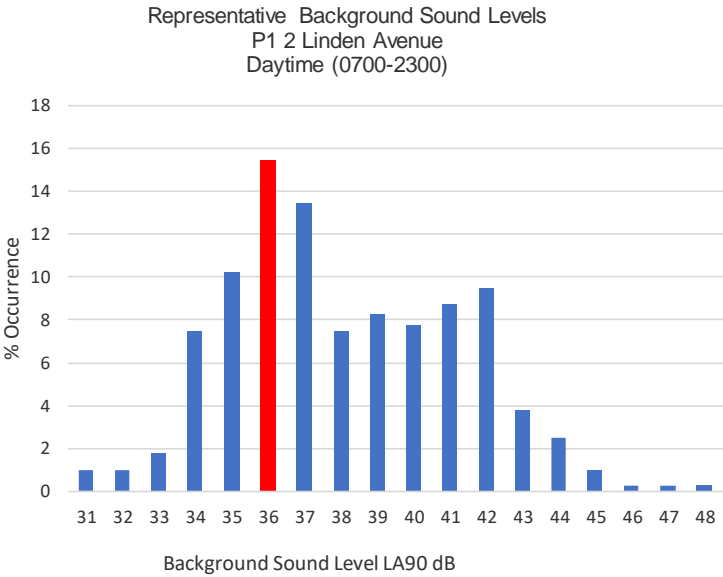


LA90 Representative Levels

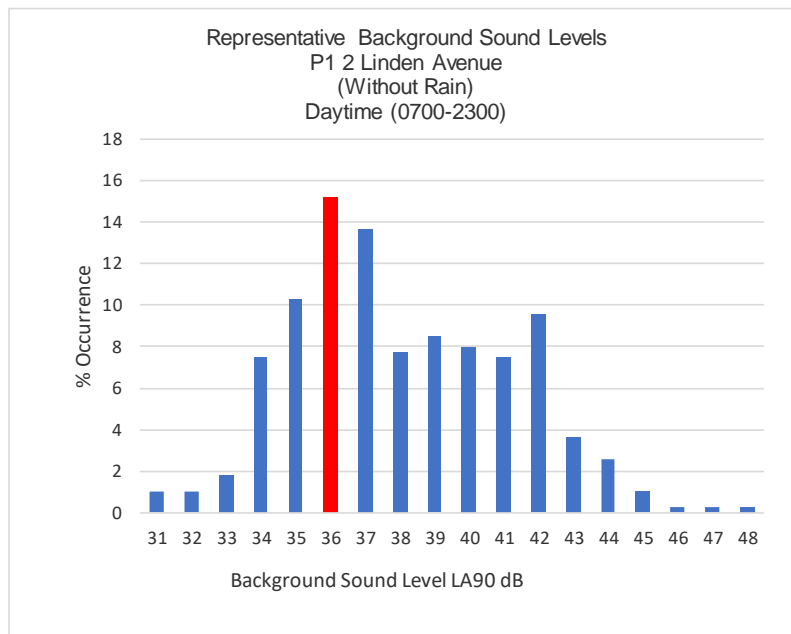
LA90	% Occurrence
31	1.0
32	1.0
33	1.7
34	7.5
35	10.2
36	15.5
37	13.5
38	7.5
39	8.2
40	7.7
41	8.7
42	9.5
43	3.7
44	2.5
45	1.0
46	0.2
47	0.2
48	0.2



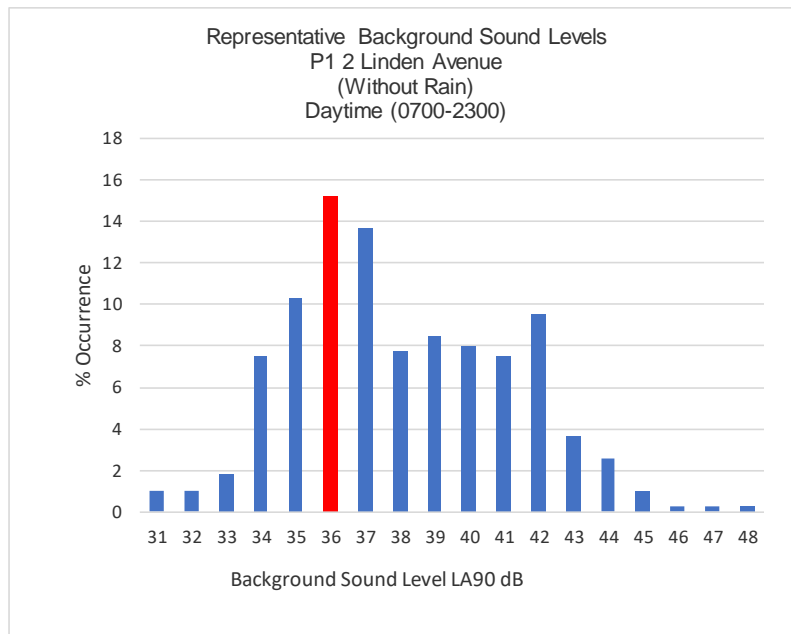
LA90	% Occurrence
31	1.0
32	1.0
33	1.7
34	7.5
35	10.2
36	15.5
37	13.5
38	7.5
39	8.2
40	7.7
41	8.7
42	9.5
43	3.7
44	2.5
45	1.0
46	0.2
47	0.2
48	0.2



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**

TABLE 21

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	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	
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

TABLE 22

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	53.7	41.2	79.7	Rain Rain
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	
03:00	15:00	49.8	44.6	66.9	
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**

TABLE 24

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	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	Rain
20:30	15:00	58.5	50.7	74.7	
20:45	15:00	56.6	50.1	66.2	
21:00	15:00	55.3	49.6	64.9	
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	Rain
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	
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
 Location: Kronospan Ltd, Off Holyhead Road, Chirk
 Client: Kronospan Ltd
 Project: **Baseline Sound Survey**
 Data: **Position 2 - 3 Wern**

TABLE 27

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

TABLE 28

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	50.5	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

TABLE 30

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	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

TABLE 31

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	50.9	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**

TABLE 33

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	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

TABLE 36

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	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

TABLE 37

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	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**

TABLE 39

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	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

TABLE 40

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	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**

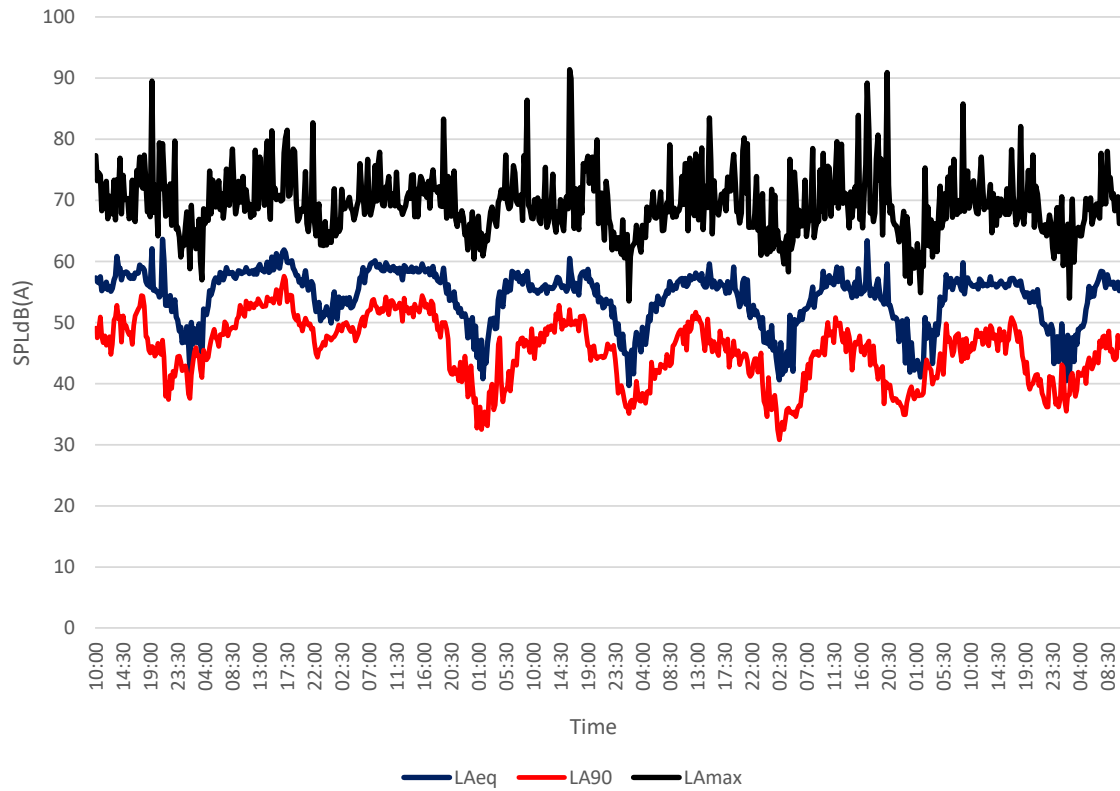
Instrumentation: Cirrus 171A Real Time Analyser (G066350)

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

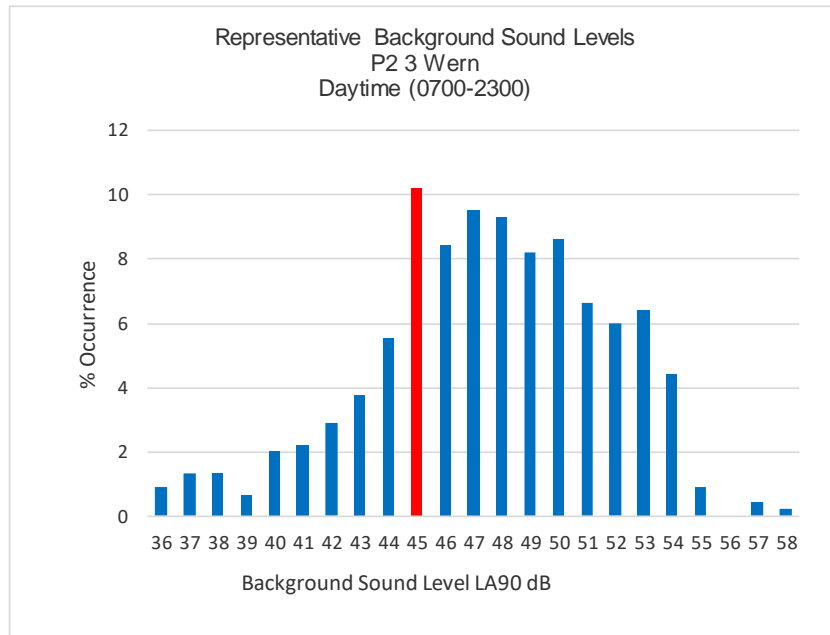
Background Sound Survey: Position 2 - 3 Wern
Tuesday 27th July - Tuesday 3rd August 2021



LA90 Representative Levels

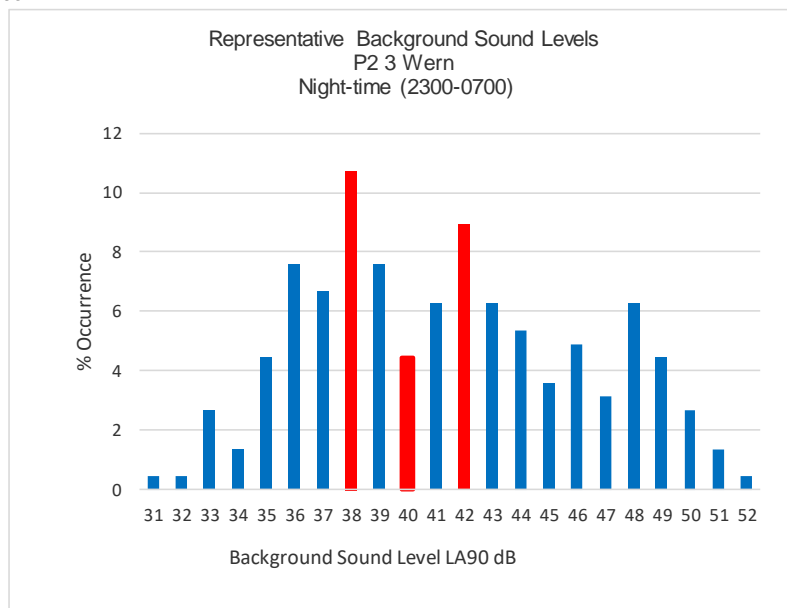
LA90 % Occurrence

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

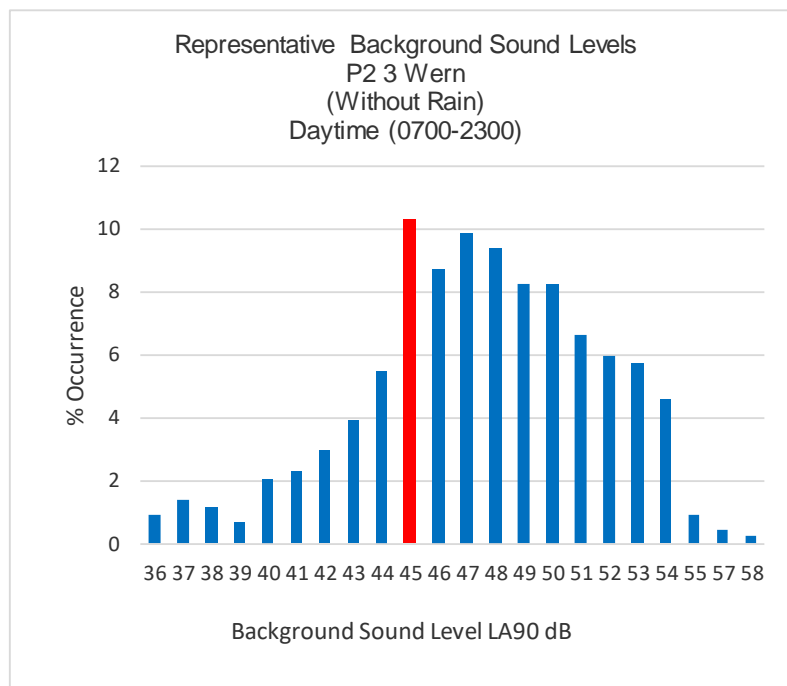


LA90 % Occurrence

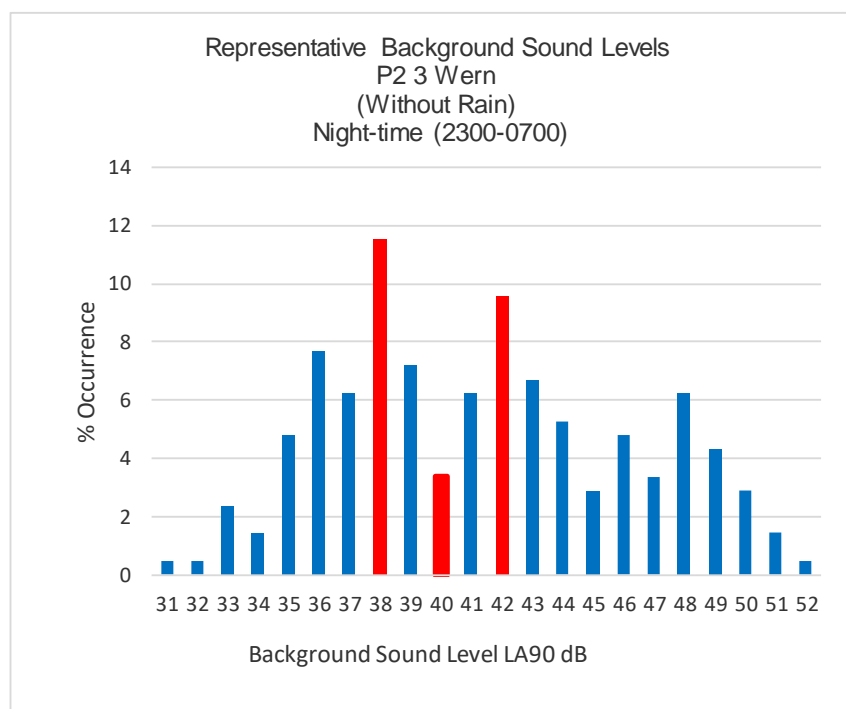
31	0.4
32	0.4
33	2.7
34	1.3
35	4.5
36	7.6
37	6.7
38	10.7
39	7.6
40	4.5
41	6.3
42	8.9
43	6.3
44	5.4
45	3.6
46	4.9
47	3.1
48	6.3
49	4.5
50	2.7
51	1.3
52	0.4



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
41	6.3
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	Rain
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	
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	Rain
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	
21:45	15:00	33.5	30.2	45.3	Rain
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	
03:00	15:00	35.8	34.4	42.2	
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	Rain
20:30	15:00	41.1	38.5	51.4	
20:45	15:00	40.9	38.8	52.9	
21:00	15:00	40.1	38.8	49.5	
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	Rain
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	
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

TABLE 59

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	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)**

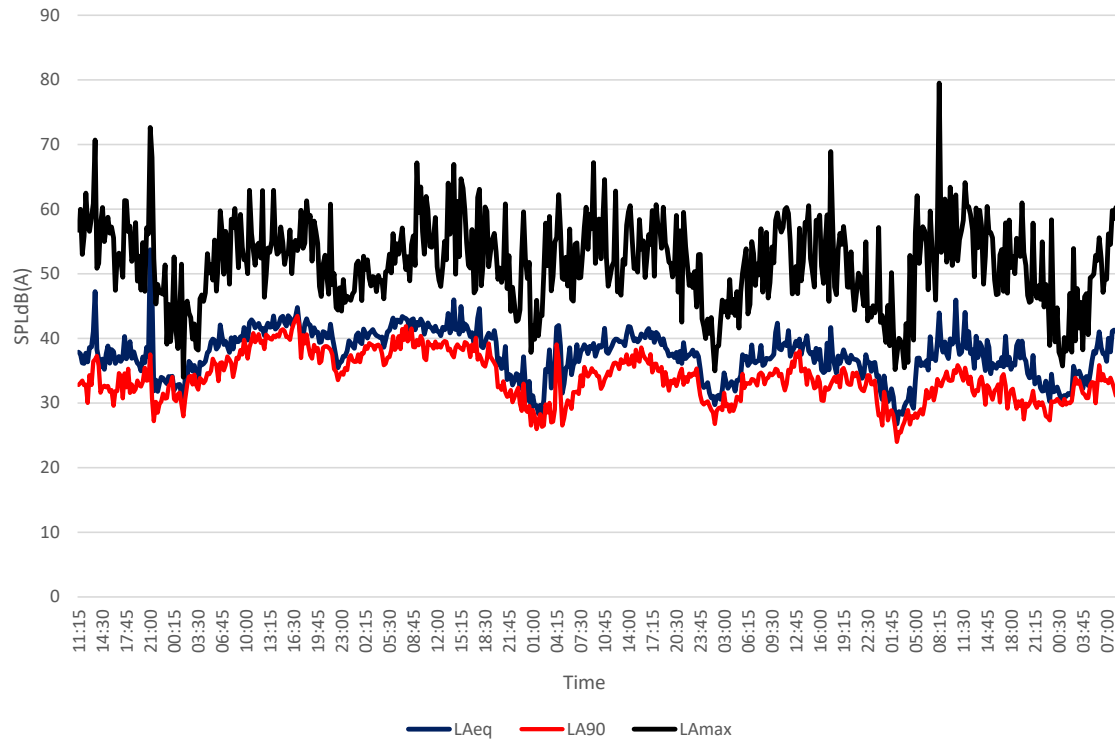
Instrumentation: Bruel & Kjaer 2250 (Serial No. 2506557)

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

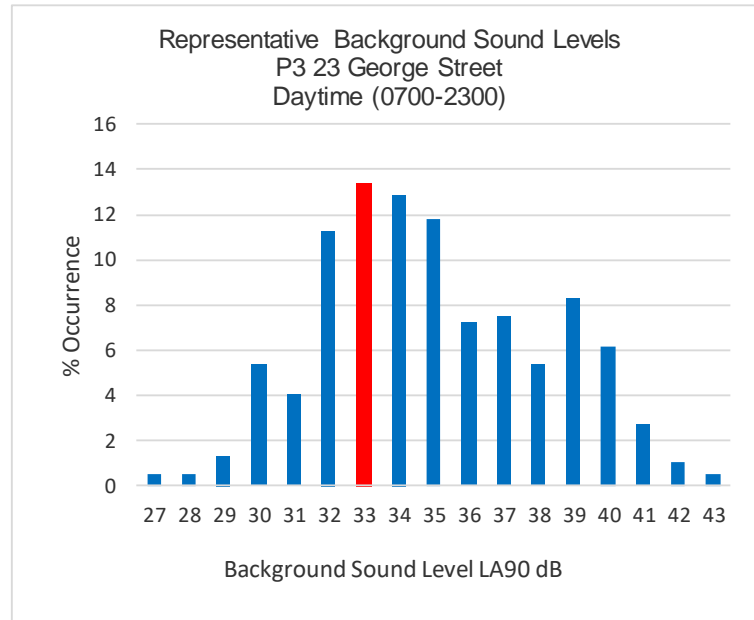
Overall Log Average		36.6	33.5	34-62	No Rain
Overall Log Average		39.9	36.1	43-80	No Rain

Background Sound Survey: Position 3 - 23 George Street (West View Area)
Tuesday 27th July - Monday 2nd August 2021

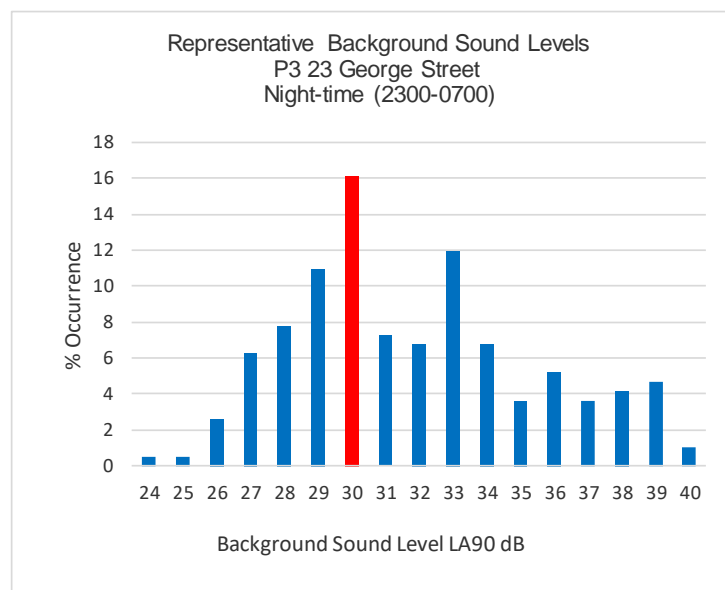


LA90 Representative Levels

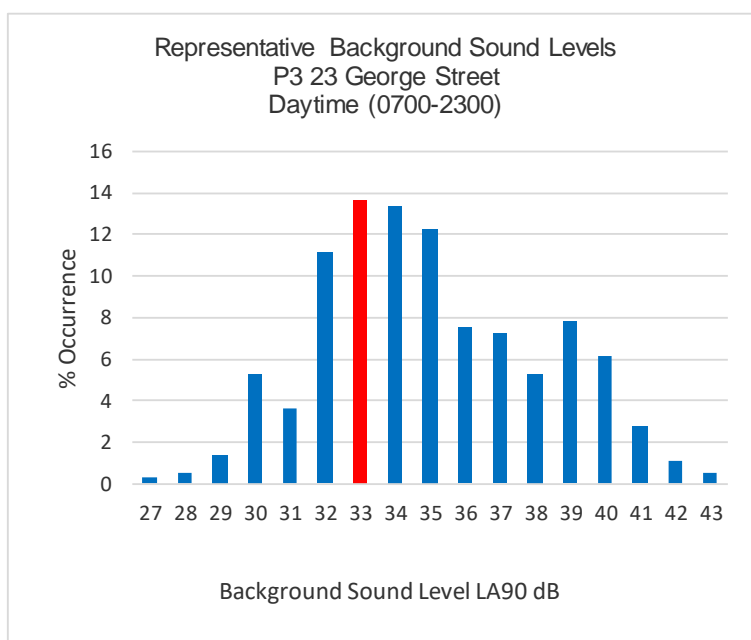
LA90	% Occurrence
27	0.5
28	0.5
29	1.3
30	5.4
31	4.0
32	11.3
33	13.4
34	12.9
35	11.8
36	7.2
37	7.5
38	5.4
39	8.3
40	6.2
41	2.7
42	1.1
43	0.5



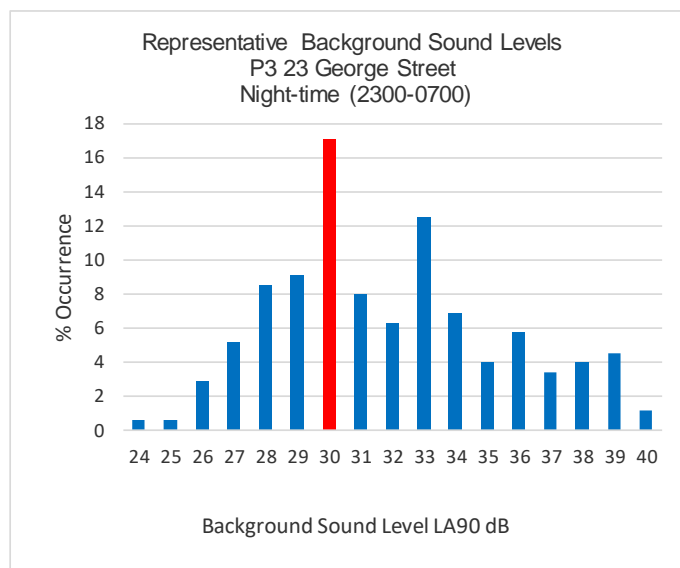
LA90	% Occurrence
24	0.5
25	0.5
26	2.6
27	6.3
28	7.8
29	10.9
30	16.1
31	7.3
32	6.8
33	12.0
34	6.8
35	3.6
36	5.2
37	3.6
38	4.2
39	4.7
40	1.0



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	Rain Rain
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	
03:00	15:00	49.1	46.7	69.3	
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	Rain
20:30	15:00	58.4	49.4	72.9	
20:45	15:00	59.4	49.7	75.9	
21:00	15:00	57.5	48.5	71.8	
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)	LAmx (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

TABLE 71

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	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

TABLE 74

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	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

TABLE 78

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	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

TABLE 81

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	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**

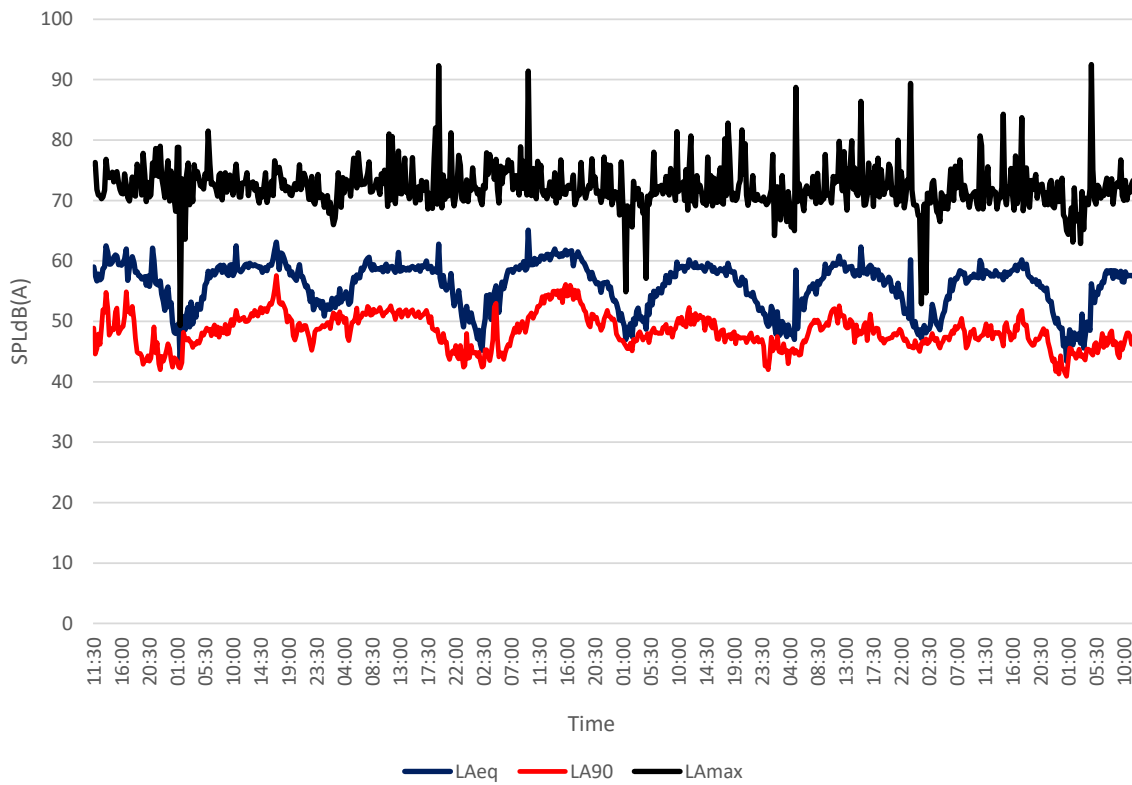
Data: **Position 4 - Chirk Court (Maes-y-waun Area)**

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

Calibration: 94dB

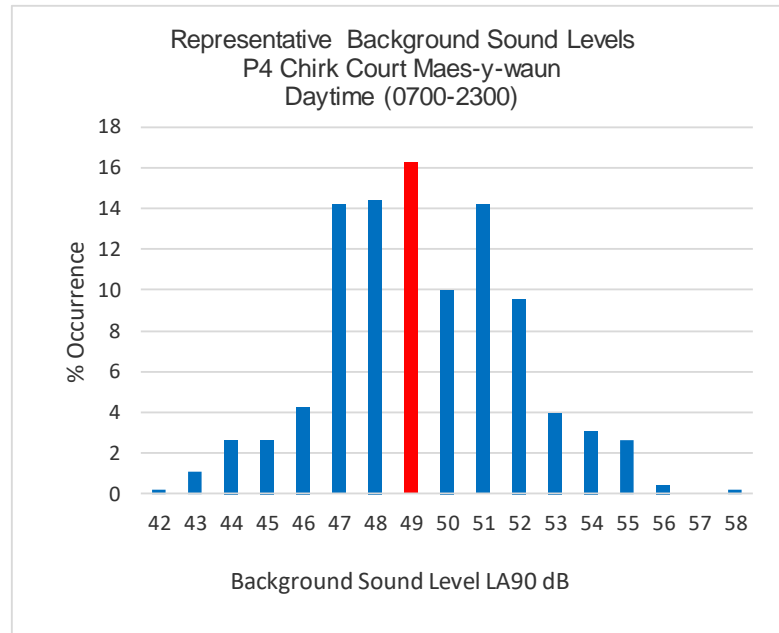
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
07:00	15:00	57.9	47.3	72.5	
07:15	15:00	58.4	46.0	73.7	
07:30	15:00	58.0	46.6	71.0	
07:45	15:00	58.4	48.0	72.0	
08:00	15:00	58.4	48.4	73.6	
08:15	15:00	57.1	46.1	69.4	
08:30	15:00	58.4	46.7	71.7	
08:45	15:00	58.3	46.5	72.7	
09:00	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

Background Sound Survey: Position 4 - Chirk Court (Maes-y-waun Area)
Tuesday 27th July - Tuesday 3rd August 2021

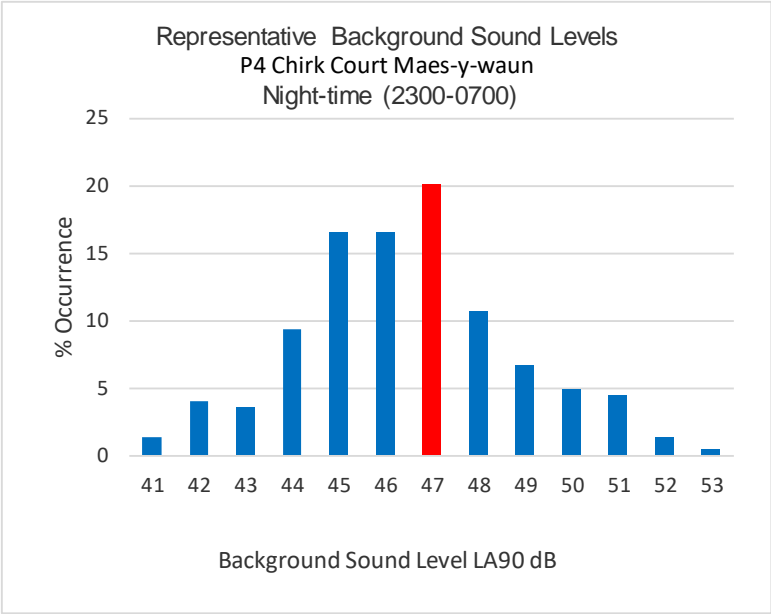


LA90 Representative Levels

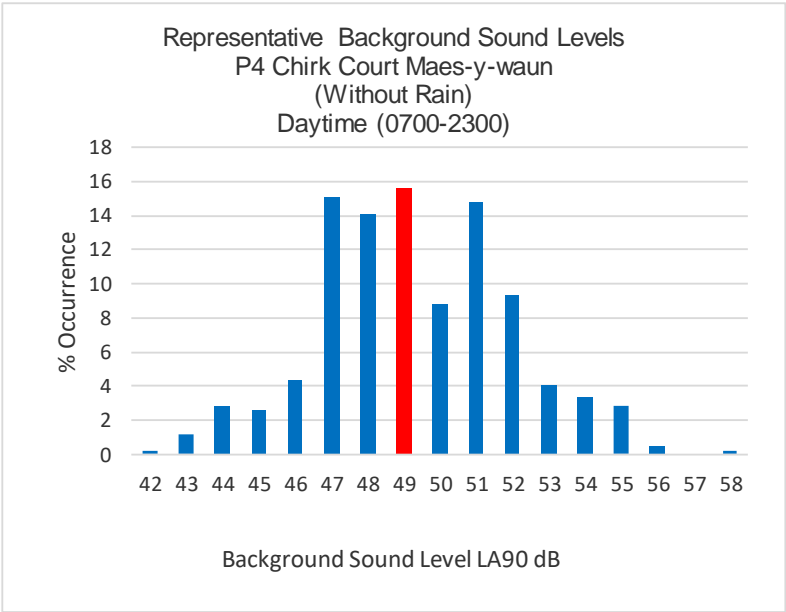
LA90	% Occurrence
42	0.2
43	1.1
44	2.7
45	2.7
46	4.2
47	14.2
48	14.4
49	16.2
50	10.0
51	14.2
52	9.6
53	4.0
54	3.1
55	2.7
56	0.4
57	0.0
58	0.2



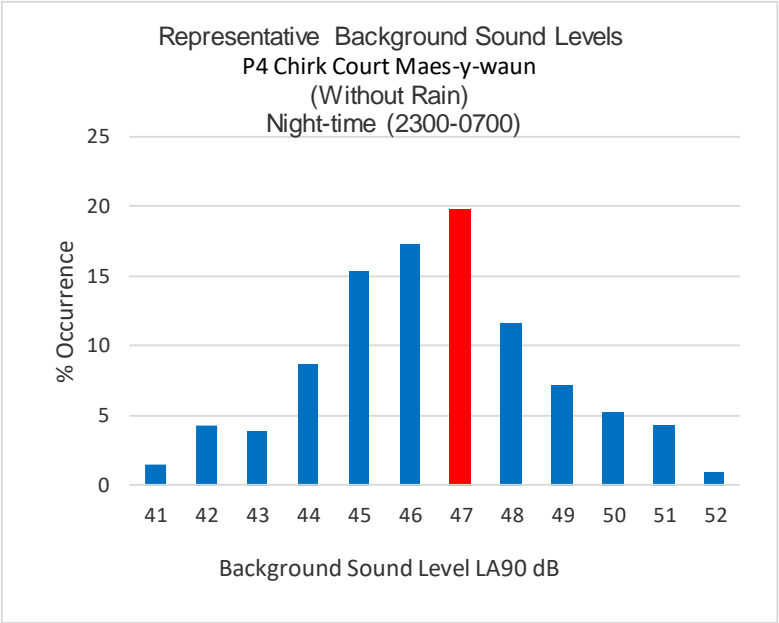
LA90	% Occurrence
41	1.3
42	4.0
43	3.6
44	9.4
45	16.5
46	16.5
47	20.1
48	10.7
49	6.7
50	4.9
51	4.5
52	1.3
53	0.4



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	Rain
14:45	15:00	49.1	37.5	66.0	
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	
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	
21:30	15:00	44.7	33.5	66.3	Rain
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	Rain
20:30	15:00	48.2	41.5	64.4	
20:45	15:00	47.4	42.9	66.4	
21:00	15:00	49.4	41.0	68.8	
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**

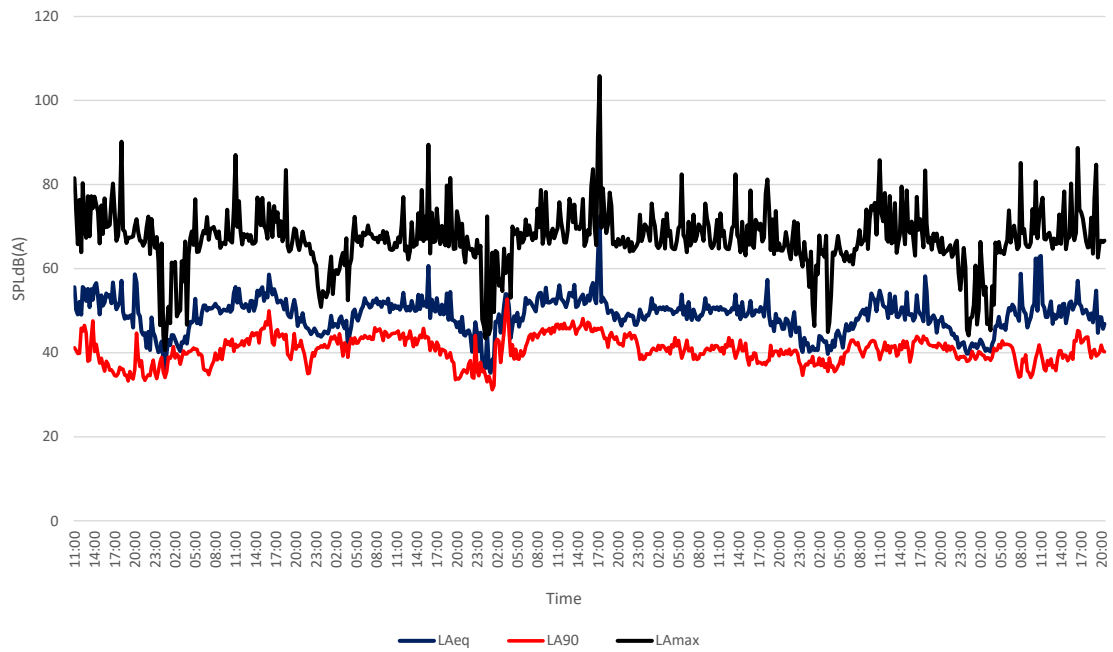
Data: **Position 5 - 2 Hadley Close (Shepherds Lane Area)**

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

Calibration: 94dB

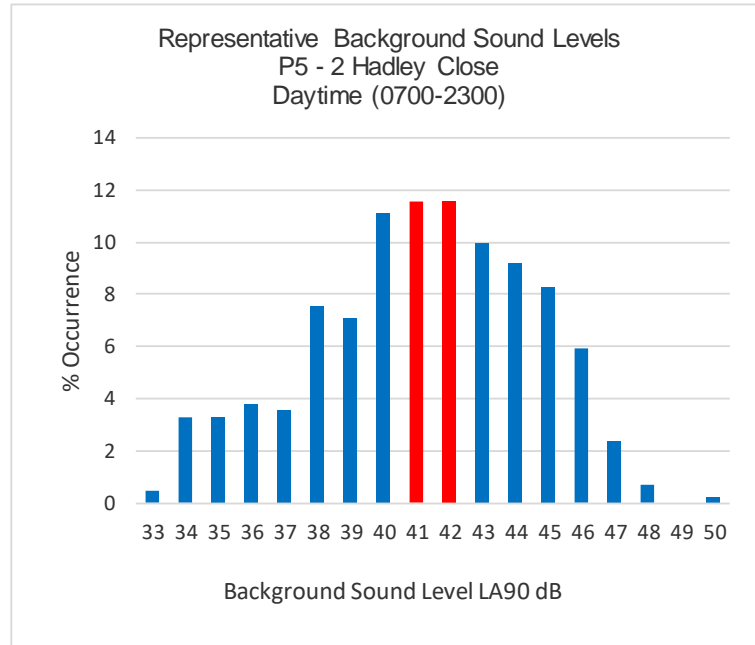
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
15:00	15:00	49.2	38.1	67.4	
15:15	15:00	51.8	38.8	67.4	
15:30	15:00	52.2	40.0	80.2	
15:45	15:00	50.2	38.4	68.8	
16:00	15:00	51.2	42.9	66.8	
16:15	15:00	51.9	42.7	68.6	
16:30	15:00	57.1	45.3	88.7	
16:45	15:00	51.7	45.0	74.1	
17:00	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

Background Sound Survey: Position 5 - 2 Hadley Close (Shepherds Lane Area)
Tuesday 27th July - Monday 2nd August 2021

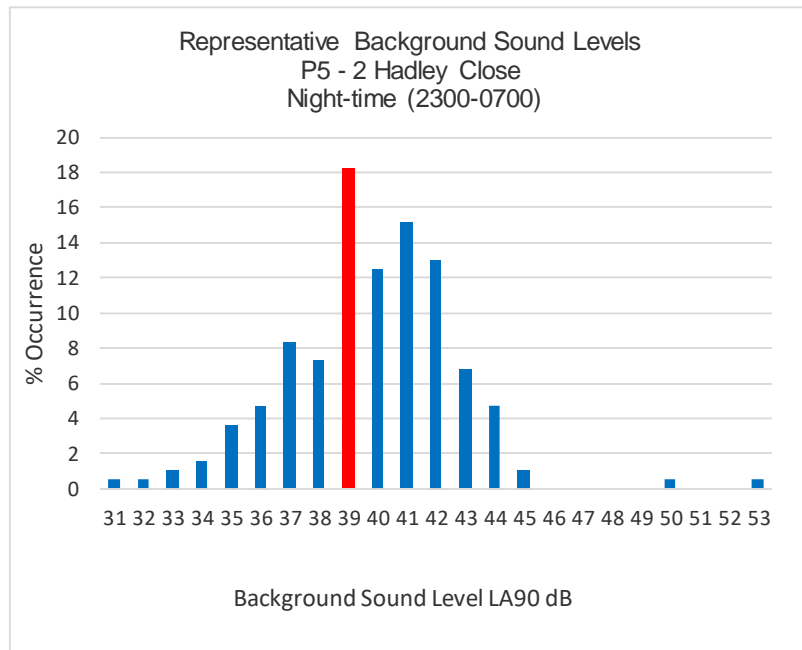


LA90 Representative Levels

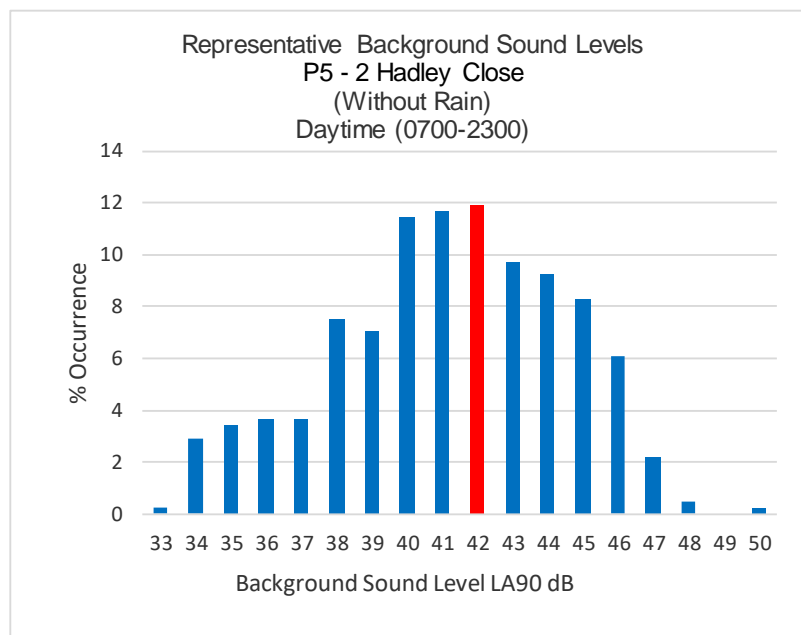
LA90	% Occurrence
33	0.5
34	3.3
35	3.3
36	3.8
37	3.5
38	7.6
39	7.1
40	11.1
41	11.6
42	11.6
43	9.9
44	9.2
45	8.3
46	5.9
47	2.4
48	0.7
49	0.0
50	0.2



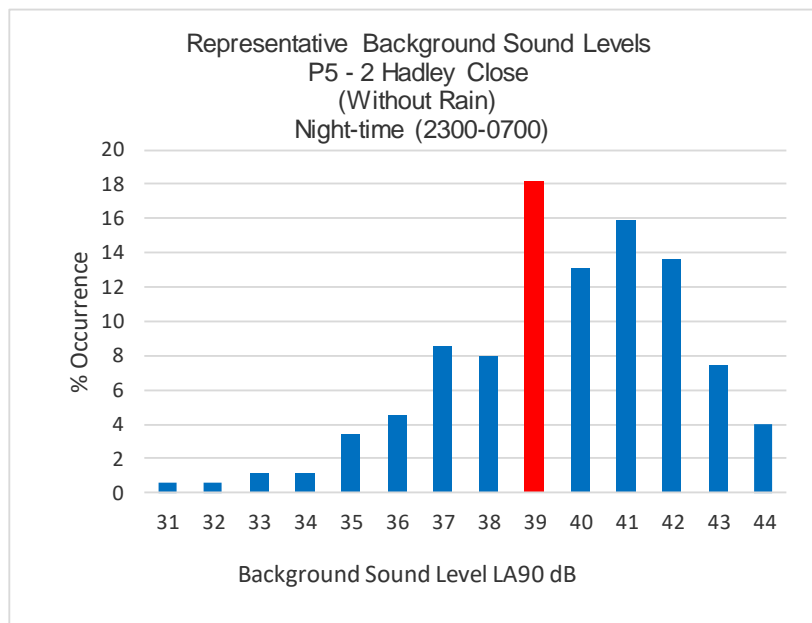
LA90	% Occurrence
31	0.5
32	0.5
33	1.0
34	1.6
35	3.6
36	4.7
37	8.3
38	7.3
39	18.2
40	12.5
41	15.1
42	13.0
43	6.8
44	4.7
45	1.0
46	0.0
47	0.0
48	0.0
49	0.0
50	0.5
51	0.0
52	0.0
53	0.5



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	
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	
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	Rain
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	
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	
21:15	15:00	45.4	44.7	49.8	
21:30	15:00	46.2	45.3	52.1	Rain
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	
03:00	15:00	45.9	44.5	56.7	
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	Rain
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	Rain
20:30	15:00	49.5	46.1	62.6	
20:45	15:00	47.2	45.6	58.3	
21:00	15:00	46.5	45.4	51.7	
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)**

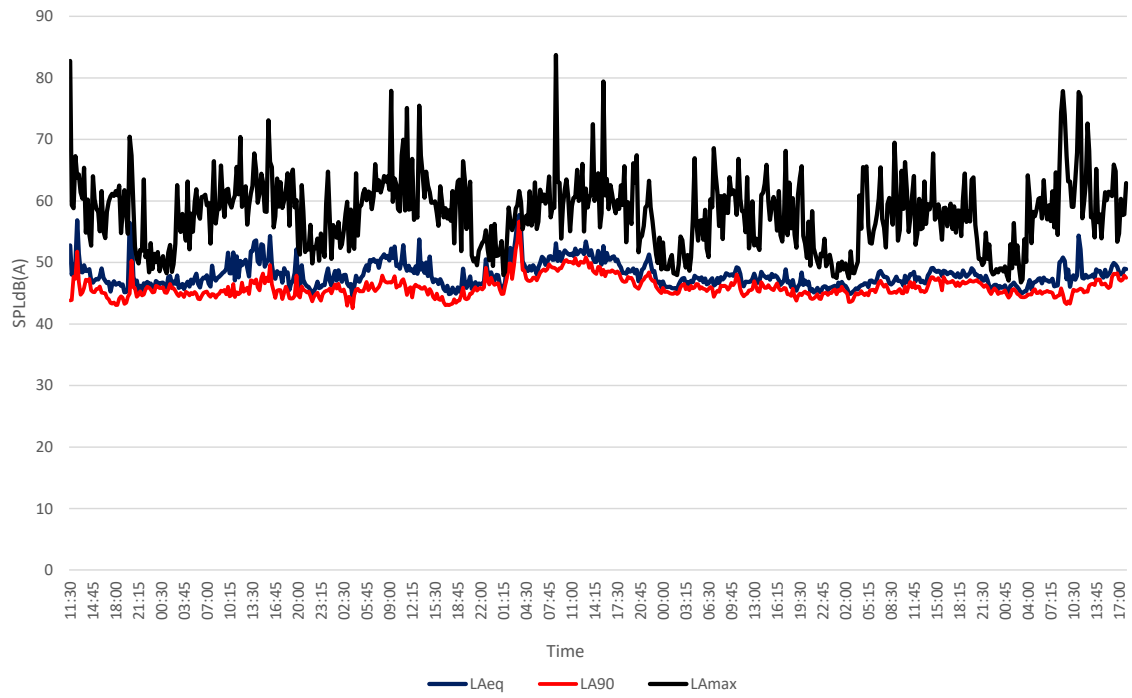
Instrumentation: Bruel & Kjaer 2250 (Serial No. 2590403)

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

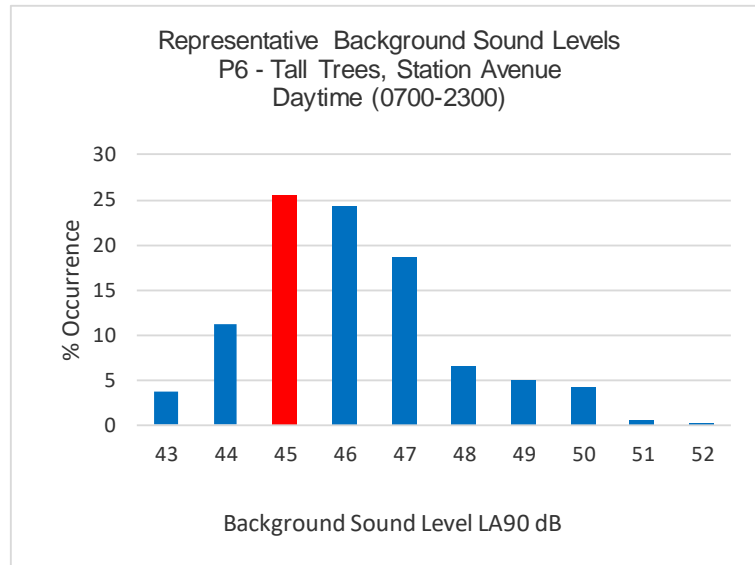
Overall Log Average	47.4	45.9	47-67	No Rain
Overall Log Average	48.8	46.4	48-84	No Rain

Background Sound Survey: Position 6 - Tall Trees, Station Avenue (Mondelez)
Tuesday 27th July - Monday 2nd August 2021

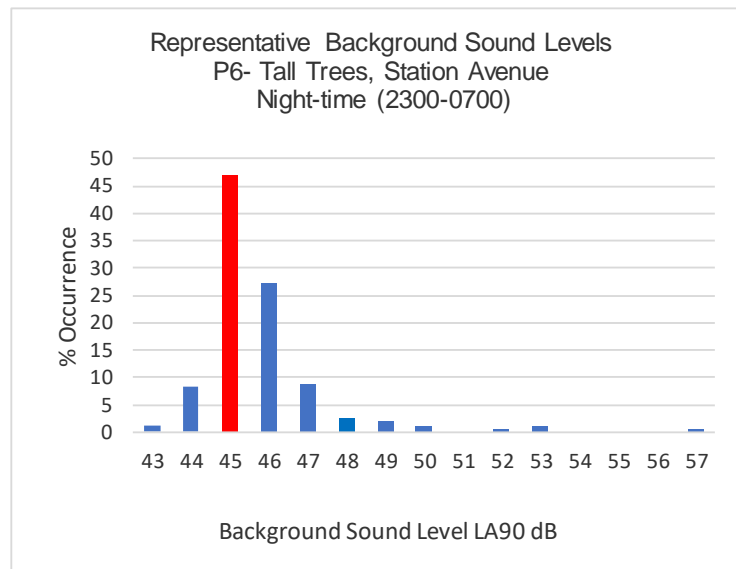


LA90 Representative Levels

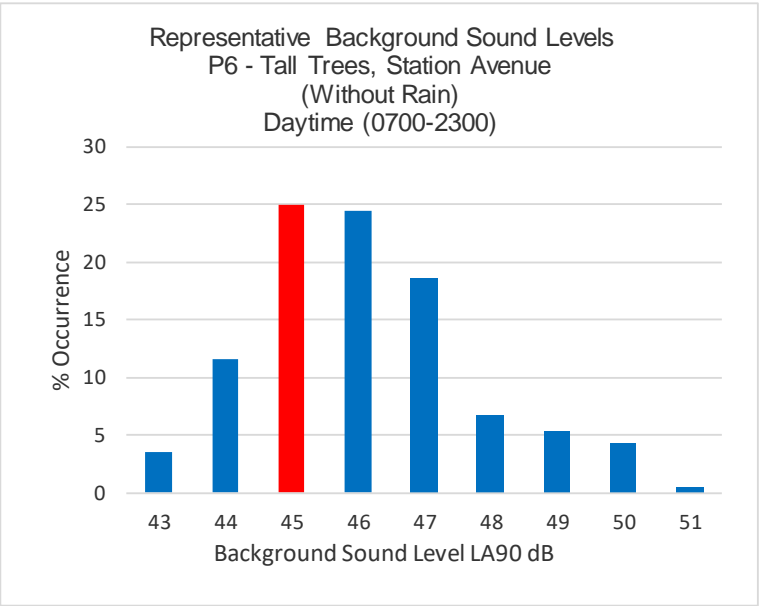
LA90	% Occurrence
43	3.6
44	11.2
45	25.5
46	24.3
47	18.7
48	6.6
49	5.1
50	4.1
51	0.5
52	0.2



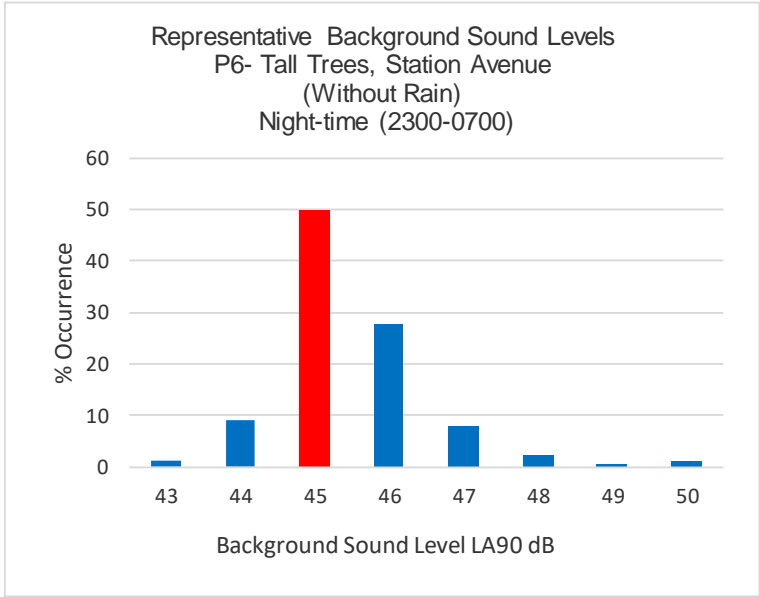
LA90	% Occurrence
43	1.0
44	8.3
45	46.9
46	27.1
47	8.9
48	2.6
49	2.1
50	1.0
51	0.0
52	0.5
53	1.0
54	0.0
55	0.0
56	0.0
57	0.5



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	Train Noise
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	
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	
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	Rain
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	
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	
14:00	15:00	56.6	48.1	71.5	Rain
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	
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	Rain Rain
21:15	15:00	49.0	48.3	58.5	
21:30	15:00	49.2	48.4	57.5	
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

TABLE 125

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	48.1	47.0	50.5	Rain Rain
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	
03:00	15:00	48.2	47.5	51.0	
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)	LAmx (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	Rain Rain
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	
21:00	15:00	49.8	49.0	53.3	
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

TABLE 131

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	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)	LAmx (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

TABLE 143

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	49.1	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**

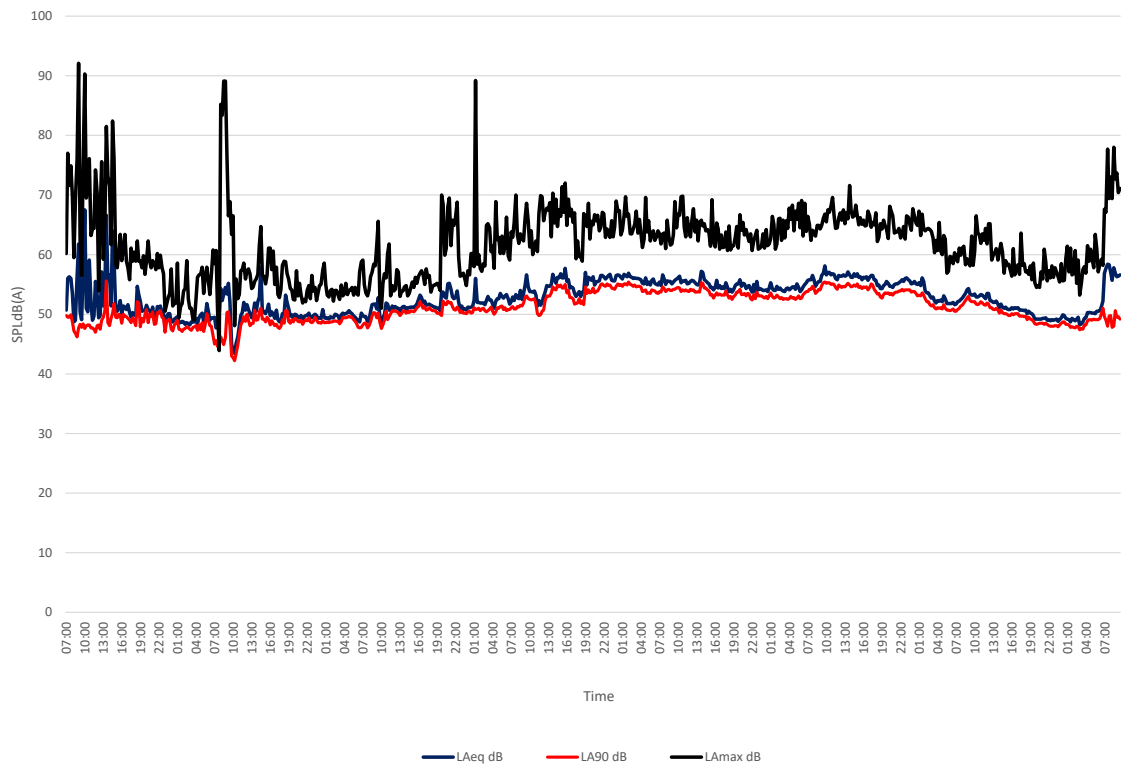
Data: **Position 7 - Canalwood Industrial Estate**

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

Calibration: 94dB

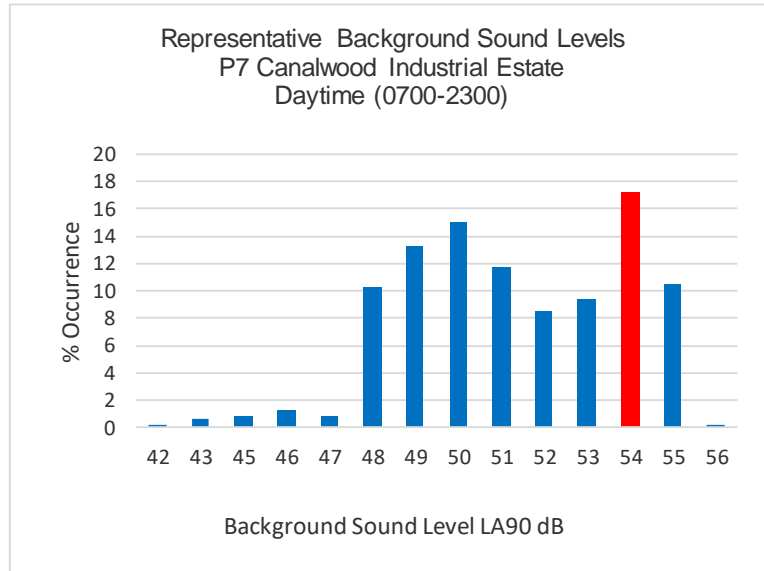
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
07:00	15:00	56.9	49.6	67.6	
07:15	15:00	57.7	49.0	67.1	
07:30	15:00	58.4	48.0	77.7	
07:45	15:00	58.3	49.7	69.4	
08:00	15:00	57.1	49.8	73.0	
08:15	15:00	55.7	47.8	69.4	
08:30	15:00	57.8	48.0	78.0	
08:45	15:00	56.9	50.6	72.7	
09:00	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

Background Sound Survey: Position 7 - Canalwood Industrial Estate
Tuesday 27th July - Tuesday 3rd August 2021

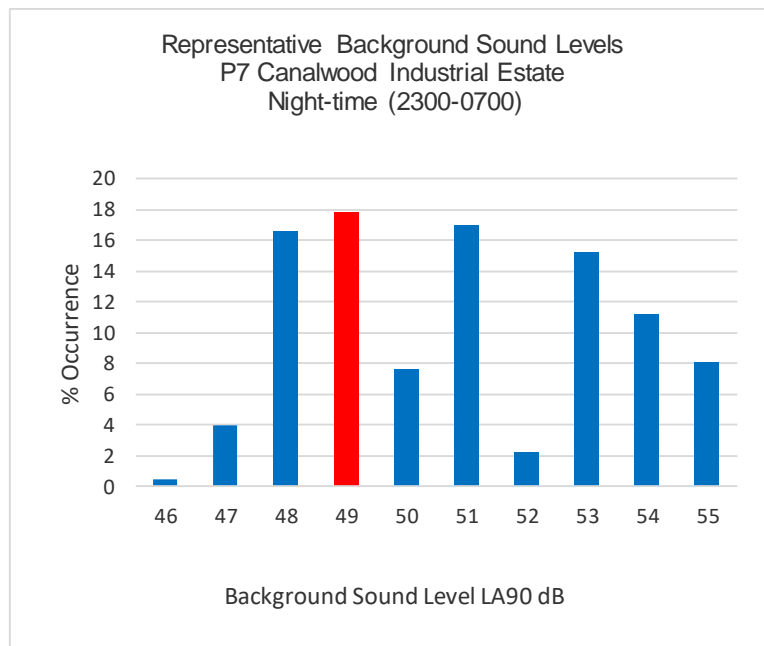


LA90 Representative Levels

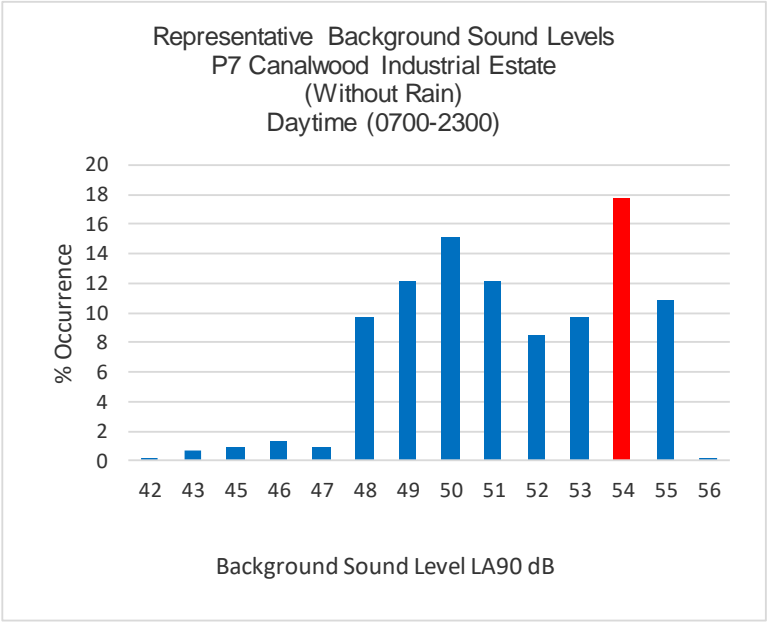
LA90	% Occurrence
42	0.2
43	0.7
45	0.9
46	1.3
47	0.9
48	10.2
49	13.3
50	15.0
51	11.8
52	8.5
53	9.4
54	17.2
55	10.5
56	0.2



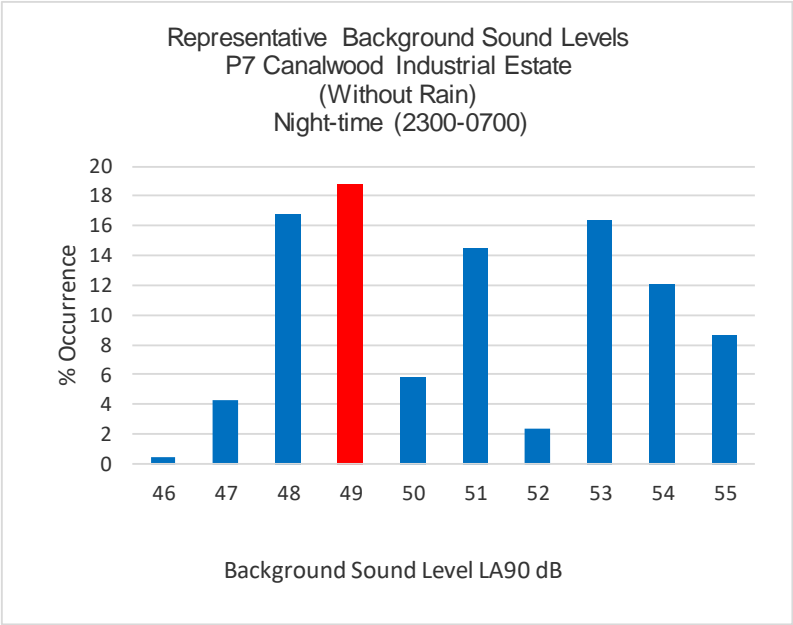
LA90	% Occurrence
46	0.4
47	4.0
48	16.5
49	17.9
50	7.6
51	17.0
52	2.2
53	15.2
54	11.2
55	8.0



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	
21:45	15:00	41.9	40.1	53.7	Rain
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	Rain Rain
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	
03:00	15:00	41.2	39.2	50.5	
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**

TABLE 149

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	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	Rain
20:30	15:00	51.0	38.7	61.8	
20:45	15:00	54.3	46.7	64.5	
21:00	15:00	44.5	39.2	62.4	
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

TABLE 152

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	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

TABLE 153

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	40.1	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
 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 164

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

TABLE 165

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	40.3	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**

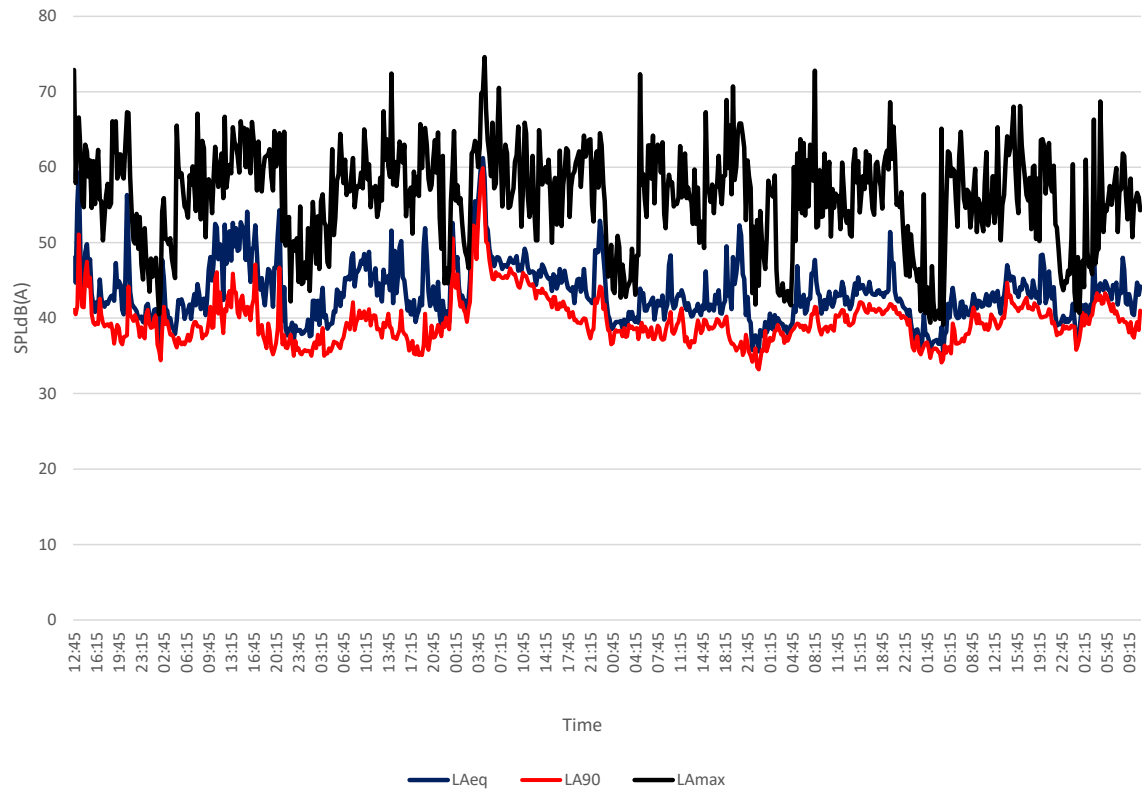
Data: **Position 8 - Manatton Llywyn-y-cil**

Instrumentation: Cirrus 171B Real Time Analyser (G056142)

Calibration: 94dB

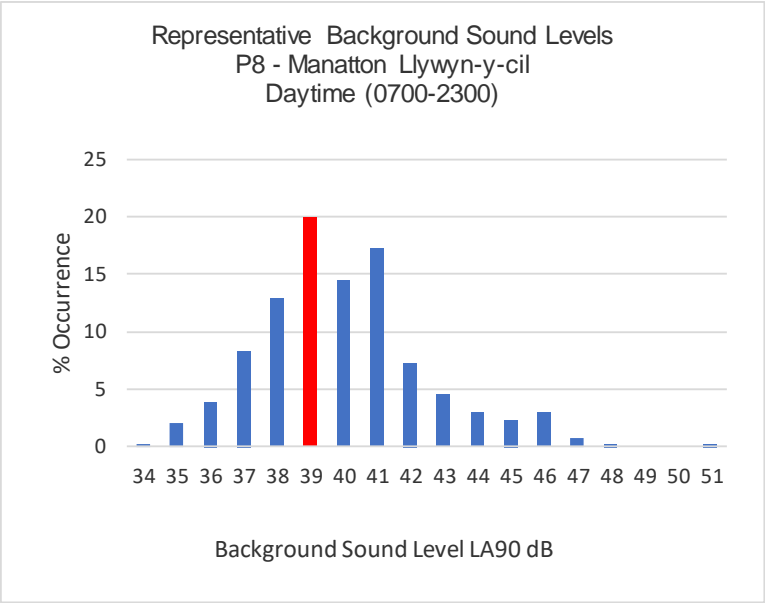
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
07:00	15:00	44.0	40.6	58.2	
07:15	15:00	44.7	40.9	59.9	
07:30	15:00	41.8	40.3	51.4	
07:45	15:00	43.5	39.5	56.8	
08:00	15:00	43.3	39.8	57.1	
08:15	15:00	48.0	39.9	61.8	
08:30	15:00	46.4	39.5	61.5	
08:45	15:00	42.0	39.5	56.3	
09:00	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

Background Sound Survey: Position 8 - Manatton Llwyn-y-cil
Tuesday 27th July - Tuesday 3rd August 2021



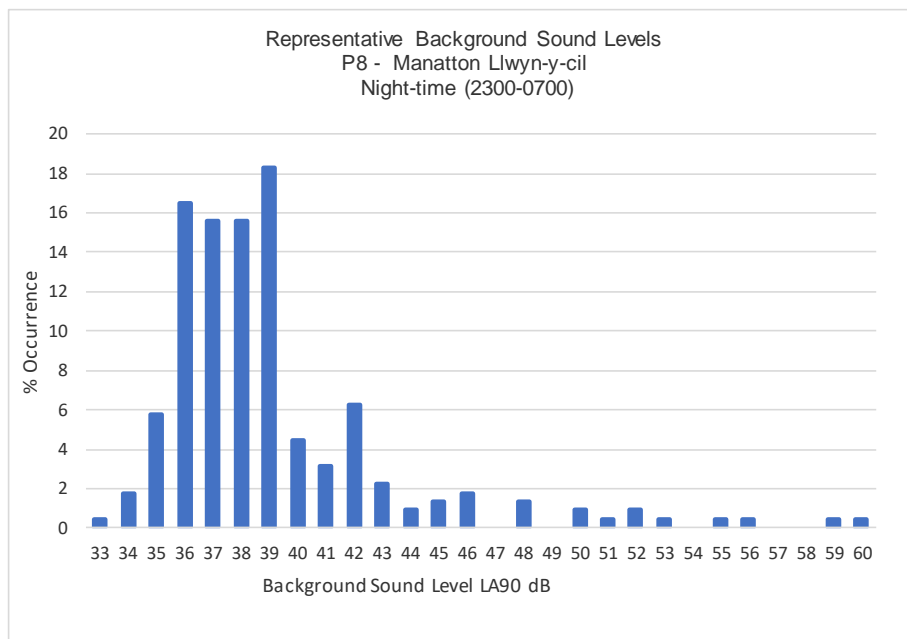
LA90 Representative Levels

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



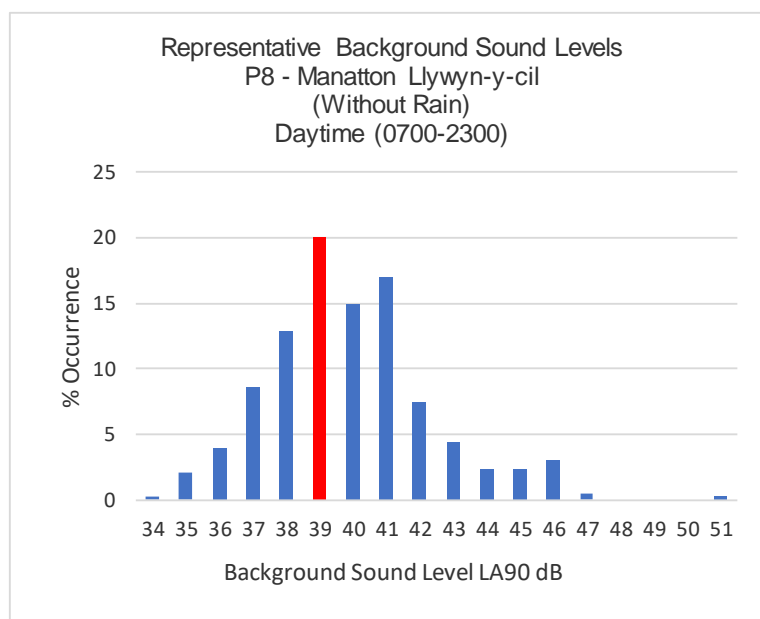
LA90 % Occurrence

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

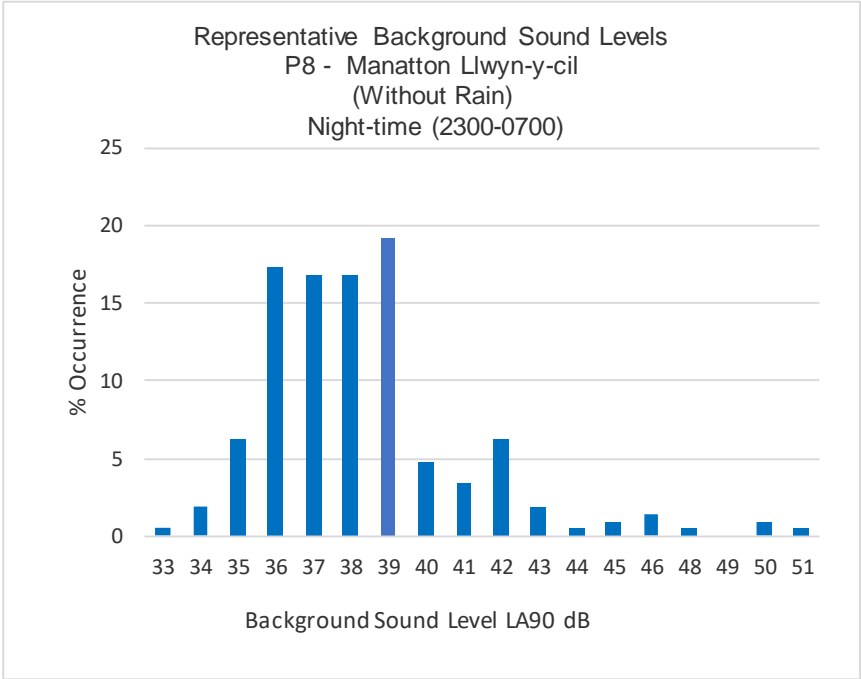


LA90 % Occurrence

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	Rain
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	Rain
20:30	15:00	41.1	35.6	54.6	
20:45	15:00	38.5	36.5	46.7	
21:00	15:00	41.4	36.4	64.8	
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

TABLE 184

Client: Kronospan Ltd

Project: **Baseline Sound Survey**

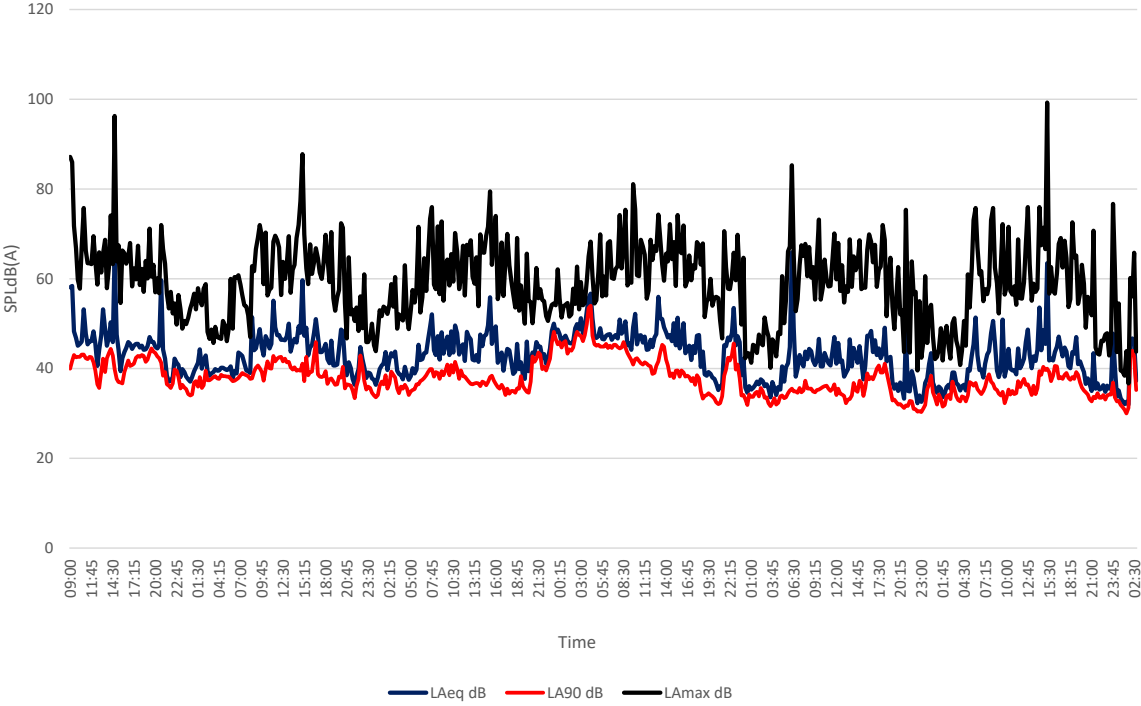
Data: **Position 9: Castle Gates (New Hall Farm)**

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

Calibration: 94dB

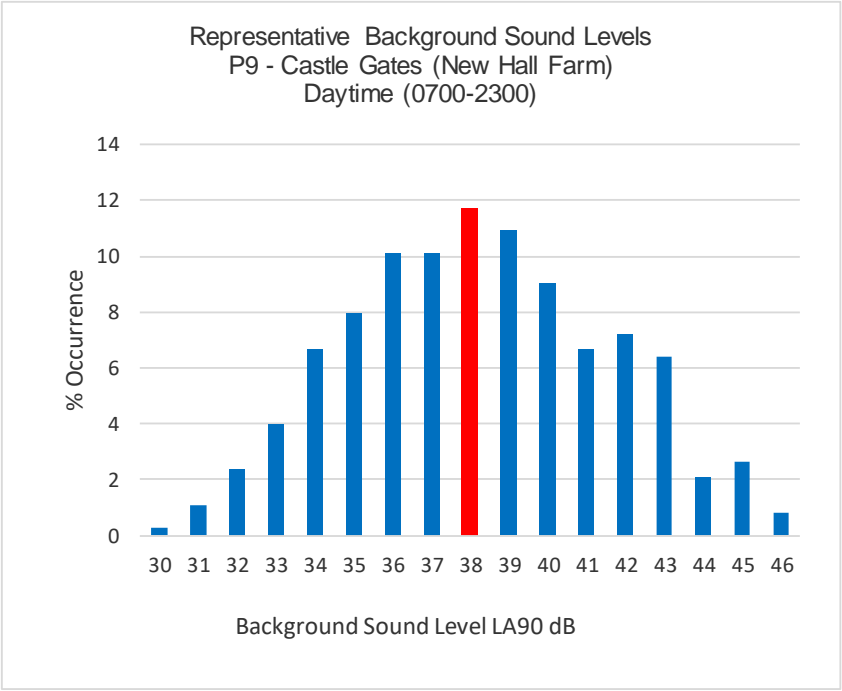
Start Time	Run Time (mins.)	LAeq (dB)	LA90 (dB)	LAmx (dB)	Observations
23:00	15:00	36.2	34.0	47.9	
23:15	15:00	35.5	34.2	42.9	
23:30	15:00	36.0	34.2	45.5	
23:45	15:00	47.8	36.9	76.7	
00:00	15:00	40.5	33.6	62.5	
00:15	15:00	33.8	32.7	43.7	
00:30	15:00	35.1	32.8	54.5	
00:45	15:00	33.3	31.9	39.6	
01:00	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

Background Sound Survey: Position 9 - Castle Gates (New Hall Farm)
Tuesday 27th July - Tuesday 2nd August 2021



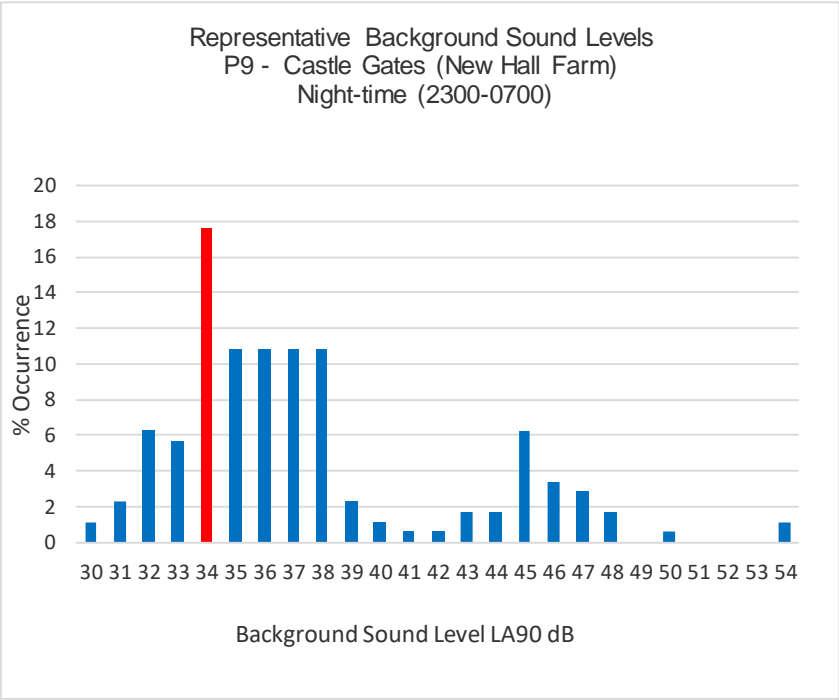
LA90 Representative Levels

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



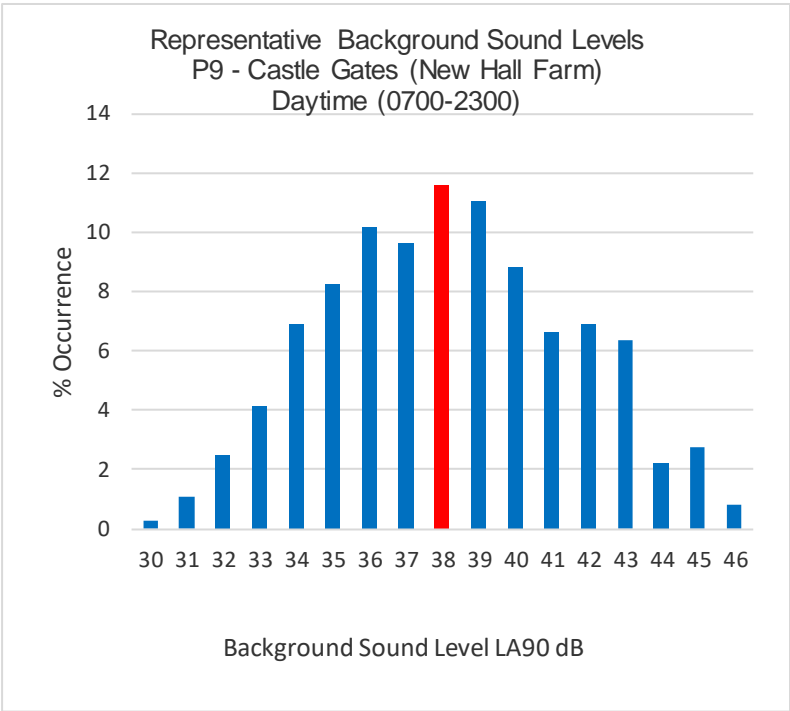
LA90 % Occurrence

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

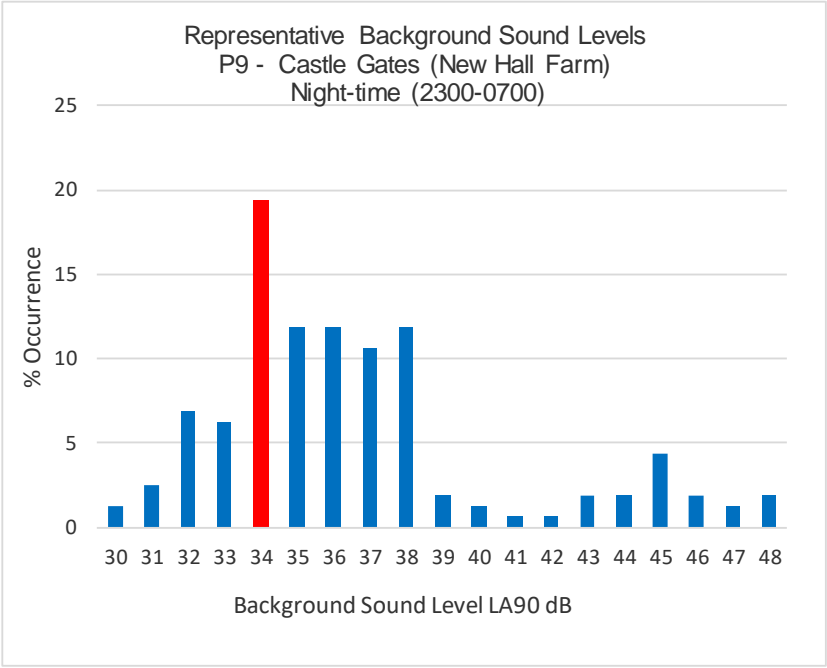


LA90 % Occurrence

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



WEATHER DETAILS

Date	Time	Temp	Wind	Wind	Bar	Rain
		Out	Speed	Dir		
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

		Temp	Wind	Wind		
Date	Time	Out	Speed	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	Wind	Wind	Bar	Rain
		Out	Speed	Dir		
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

BASELINE SURVEY RESULTS

April 2022 Baseline Survey

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

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

TABLE 2

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	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

TABLE 4

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
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
 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 5

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

TABLE 6

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
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
 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 8

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (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
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Noise Survey Results

Date: Monday 4th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 10

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
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
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Noise Survey Results

Date: Monday 4th April 2022

TABLE 11

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	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

TABLE 13

Client: Kronospan Ltd

Project: Access Road & Lorry Park

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

Instrumentation: Cirrus 171A Real Time Analyser (G061253)

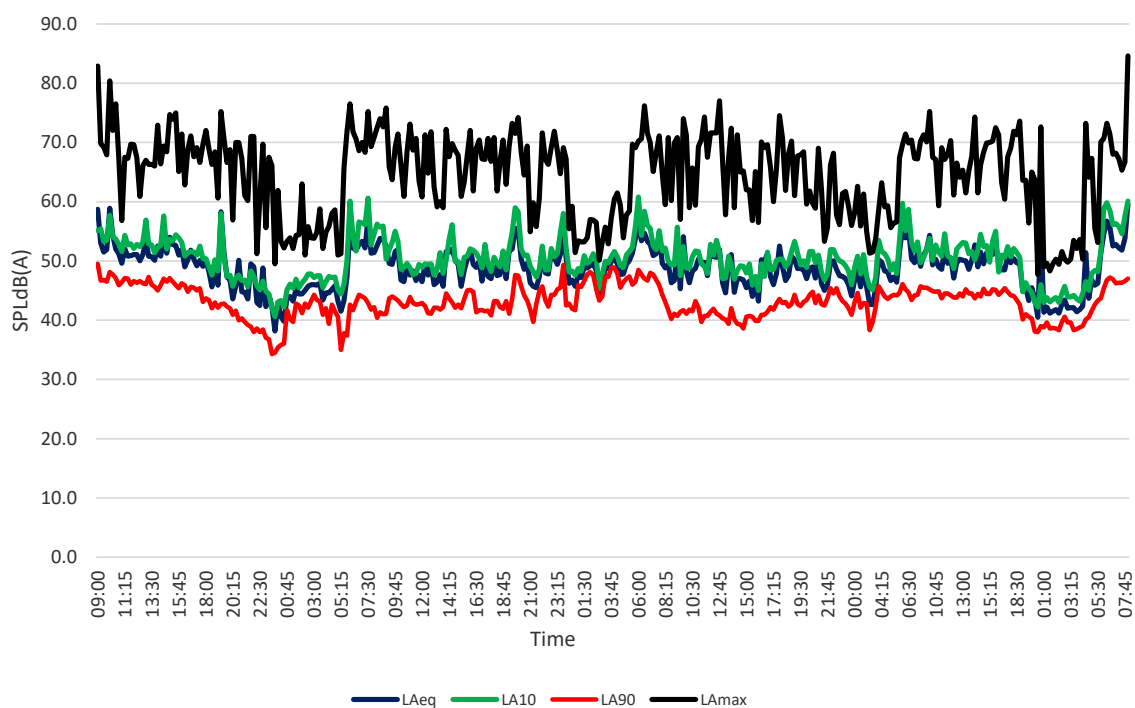
Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Observations
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	

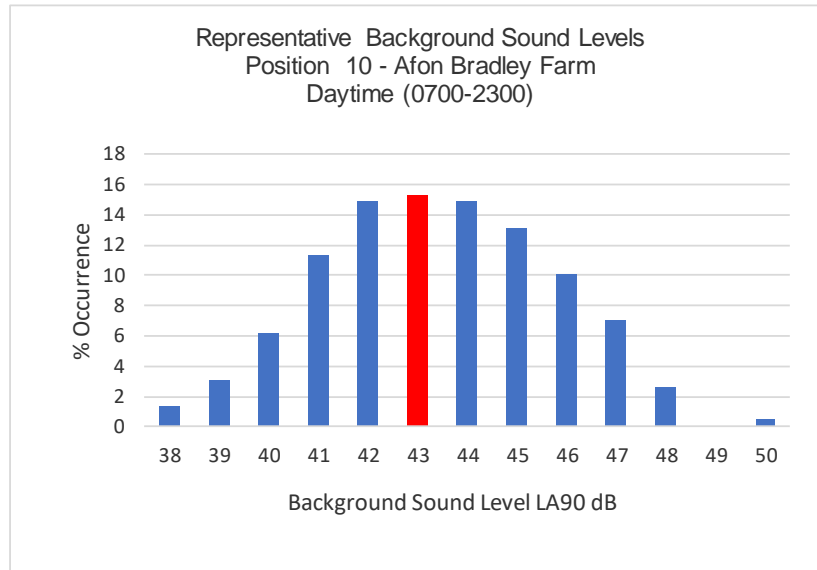
Overall Log Average	49.3	51.6	43.9	48-77	
Overall Log Average	50.7	52.1	43.9	51-83	

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

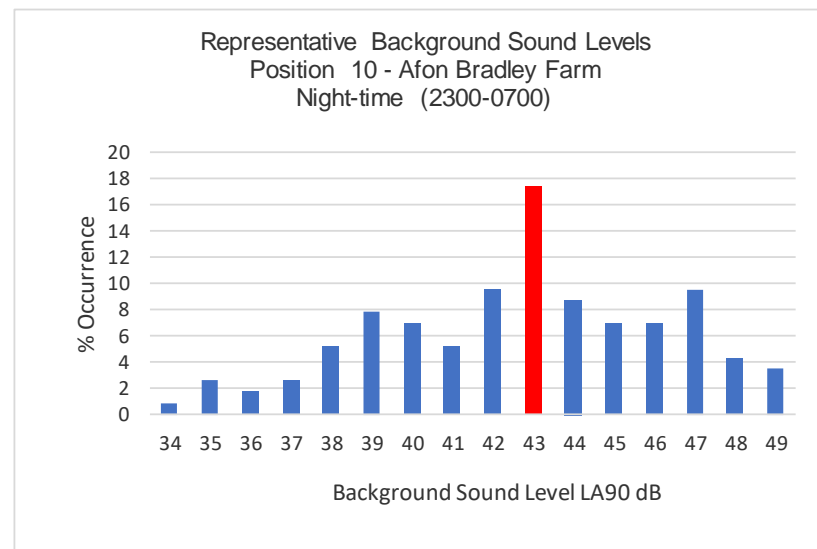
Background Sound Survey: Position 10 - Afon Bradley Farm
Friday 1st - Tuesday 5th April 2022



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

TABLE 14

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
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
 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 15

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmx (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

TABLE 16

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
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

TABLE 17

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
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
 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 18

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmx (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

TABLE 20

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
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
 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 21

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)	LAmx (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

TABLE 23

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
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
 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 24

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

TABLE 25

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
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
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Noise Survey Results

Date: Tuesday 5th April 2022

Location: Kronospan Ltd, Off Holyhead Road, Chirk

TABLE 26

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)

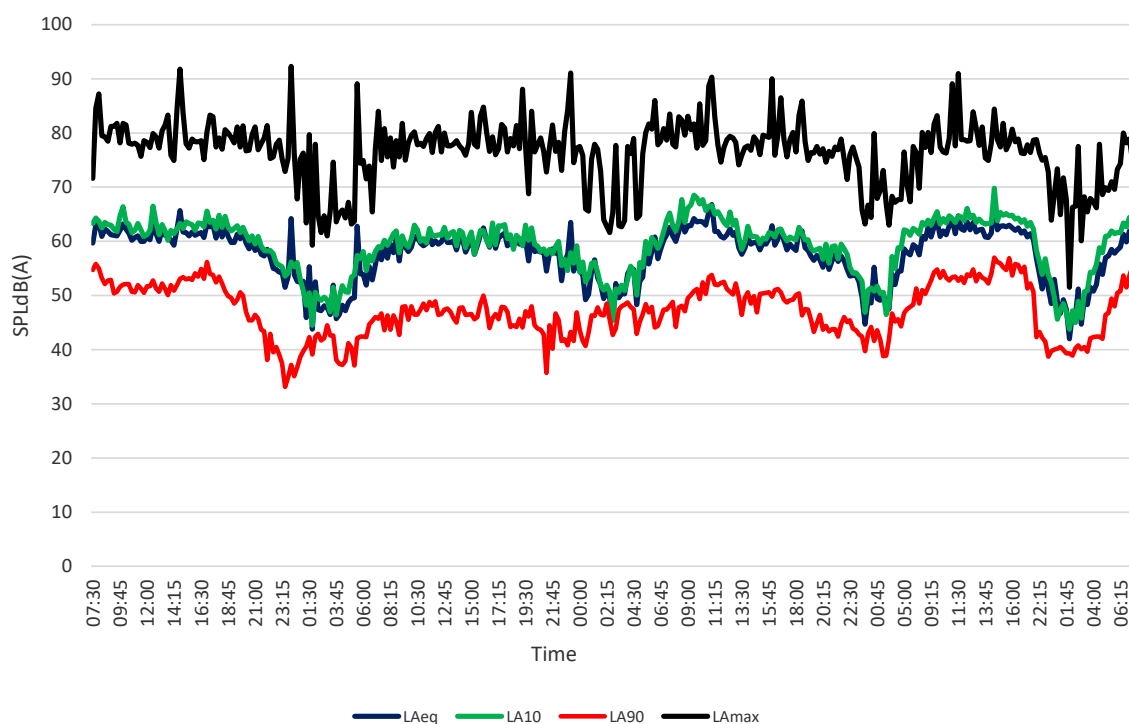
Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Observations
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

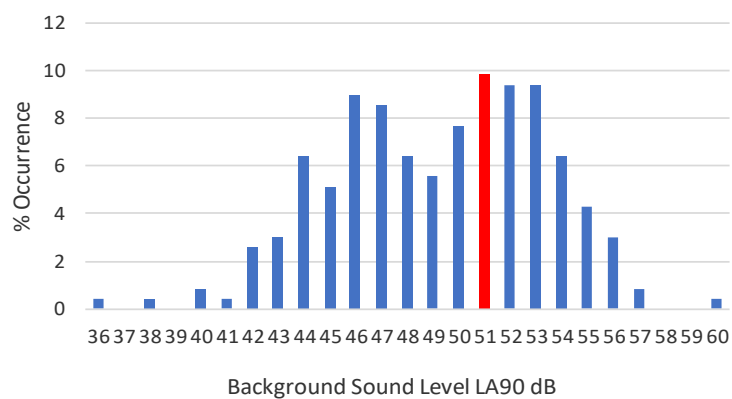
Background Sound Survey: Position 11 - Opposite Lodge Farm Cottage
Friday 1st - Tuesday 5th April 2022



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

Representative Background Sound Levels
Position 11 - Opposite Lodge Farm Cottage
Daytime (0700-2300)



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

