



AQUIND Limited

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Environmental Statement Addendum – Appendix 12 Supplementary Meteorological Data and Analysis and Revised Operational Noise Results

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations
2009 – Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

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1. METEOROLOGICAL CONDITIONS – SUPPLEMENTARY DATA

1.1. INTRODUCTION

- 1.1.1.1. Tables 1 to 9 below present the meteorological conditions from Southampton Airport during the baseline noise survey in June and July 2017. For 28 June to 1 July and 6 July, these data are the same as presented in Section 2 of Appendix 24.6 Noise Survey Equipment, Meteorological Conditions and Noise Survey Results (APP-465).

Table 1 - Meteorological Conditions – 28 June 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	15	88	NNE	1.3	0	Light Rain
6:20 AM	14	94	NNE	2.2	0	Light Rain
6:50 AM	14	94	NNE	2.7	0	Light Rain
7:20 AM	14	94	NNE	2.7	0	Light Rain
7:50 AM	14	94	NE	2.2	0	Light Rain
8:20 AM	15	88	VAR	0.9	0	Light Rain
8:50 AM	15	88	VAR	1.3	0	Light Rain
9:20 AM	15	94	VAR	1.3	0	Light Rain
9:50 AM	15	88	VAR	0.9	0	Light Rain
10:20 AM	15	94	VAR	1.3	0	Light Rain
10:50 AM	15	94	VAR	1.3	0	Light Rain

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
11:20 AM	15	94	VAR	0.4	0	Light Rain
11:50 AM	15	94	VAR	0.9	0	Light Rain
12:20 PM	16	88	VAR	0.4	0	Light Rain
12:50 PM	16	88	VAR	1.3	0	Light Rain
1:20 PM	16	88	NNE	0.9	0	Light Rain
1:50 PM	16	88	VAR	0.9	0	Showers in the Vicinity
2:20 PM	16	88	VAR	0.4	0	Showers in the Vicinity
2:50 PM	16	94	VAR	0.9	0	Showers in the Vicinity

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
3:20 PM	16	82	NNE	4.0	0	Showers in the Vicinity
3:50 PM	16	82	NNE	3.6	0	Showers in the Vicinity
4:20 PM	16	82	NNE	4.0	0	Showers in the Vicinity
4:50 PM	16	82	NNE	4.5	0	Showers in the Vicinity
5:20 PM	15	82	NNE	4.5	0	Showers in the Vicinity
5:50 PM	15	82	NNE	3.6	0	Showers in the Vicinity
6:20 PM	15	82	NNE	3.1	0	Showers in the Vicinity
6:50 PM	14	88	NNE	3.1	0	Light Rain
7:20 PM	14	88	NE	2.2	0	Partly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
7:50 PM	14	88	NNE	3.1	0	Partly Cloudy
8:20 PM	14	88	NNE	2.7	0	Partly Cloudy
8:50 PM	13	88	NNE	3.1	0	Mostly Cloudy
9:20 PM	13	88	NNE	2.7	0	Mostly Cloudy
9:50 PM	13	88	NNE	3.1	0	Mostly Cloudy
10:20 PM	13	88	NNE	3.6	0	Partly Cloudy
10:50 PM	13	82	NNE	2.2	0	Partly Cloudy

Table 2 - Meteorological Conditions – 29 June 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	11	94	WNW	0.9	0	Partly Cloudy
6:20 AM	11	88	VAR	1.3	0	Partly Cloudy
6:50 AM	11	94	VAR	1.3	0	Partly Cloudy
7:20 AM	11	94	VAR	1.3	0	Partly Cloudy
7:50 AM	11	94	NW	2.2	0	Partly Cloudy
8:20 AM	12	88	VAR	1.3	0	Partly Cloudy
8:50 AM	12	88	VAR	1.3	0	Mostly Cloudy
9:20 AM	12	82	VAR	1.3	0	Mostly Cloudy
9:50 AM	12	82	VAR	1.3	0	Mostly Cloudy
10:20 AM	13	82	W	2.2	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
10:50 AM	14	77	VAR	1.3	0	Mostly Cloudy
11:20 AM	14	77	VAR	0.9	0	Mostly Cloudy
11:50 AM	14	72	VAR	1.3	0	Mostly Cloudy
12:20 PM	14	77	VAR	1.3	0	Mostly Cloudy
12:50 PM	15	72	VAR	1.3	0	Mostly Cloudy
1:20 PM	14	77	VAR	1.3	0	Mostly Cloudy
1:50 PM	15	72	VAR	1.3	0	Mostly Cloudy
2:20 PM	15	72	VAR	1.3	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
2:50 PM	15	77	VAR	1.3	0	Mostly Cloudy
3:20 PM	15	77	S	2.2	0	Mostly Cloudy
3:50 PM	15	77	VAR	1.3	0	Mostly Cloudy
4:20 PM	15	77	VAR	1.3	0	Mostly Cloudy
4:50 PM	15	72	CALM	0.0	0	Mostly Cloudy
5:20 PM	14	82	NW	2.2	0	Light Rain
5:50 PM	14	77	VAR	1.3	0	Light Rain
6:20 PM	14	82	VAR	0.4	0	Light Rain
6:50 PM	14	88	CALM	0.0	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
7:20 PM	14	88	CALM	0.0	0	Mostly Cloudy
7:50 PM	14	88	SE	0.4	0	Mostly Cloudy
8:20 PM	14	88	ESE	0.4	0	Mostly Cloudy
8:50 PM	14	88	ESE	0.4	0	Mostly Cloudy
9:20 PM	14	88	ESE	0.4	0	Mostly Cloudy
9:50 PM	13	94	CALM	0.0	0	Mostly Cloudy
10:50 PM	13	94	CALM	0.0	0	Mostly Cloudy

Table 3 - Meteorological Conditions – 30 June 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	13	82	NNW	0.4	0	Mostly Cloudy
6:20 AM	13	88	NNW	2.7	0	Mostly Cloudy
6:50 AM	13	88	N	2.2	0	Mostly Cloudy
7:20 AM	13	88	NNW	2.2	0	Mostly Cloudy
7:50 AM	14	82	NNW	2.7	0	Mostly Cloudy
8:20 AM	15	72	N	2.2	0	Mostly Cloudy
8:50 AM	14	82	VAR	1.3	0	Mostly Cloudy
9:20 AM	15	72	VAR	0.4	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
9:50 AM	16	68	VAR	0.4	0	Mostly Cloudy
10:20 AM	15	77	NW	2.2	0	Mostly Cloudy
10:50 AM	16	68	VAR	0.9	0	Mostly Cloudy
11:20 AM	16	68	VAR	0.9	0	Mostly Cloudy
11:50 AM	17	63	VAR	0.4	0	Mostly Cloudy
12:20 PM	17	63	VAR	1.3	0	Mostly Cloudy
12:50 PM	19	56	VAR	1.3	0	Mostly Cloudy
1:20 PM	17	63	NW	4.5	0	Partly Cloudy
1:50 PM	17	63	NNW	4.0	0	Partly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
2:20 PM	18	59	NW	3.1	0	Partly Cloudy
2:50 PM	18	59	NW	4.0	0	Partly Cloudy
3:20 PM	19	56	WNW	4.0	0	Fair
3:50 PM	19	56	NW	4.5	0	Fair
4:20 PM	20	49	NW	4.5	0	Fair
4:50 PM	19	52	NW	5.4	0	Fair
5:20 PM	19	52	NNW	5.4	0	Fair
5:50 PM	19	60	NW	4.0	0	Fair
6:20 PM	19	56	NW	4.0	0	Fair
6:50 PM	18	64	NW	5.4	0	Fair
7:20 PM	18	64	NNW	5.4	0	Fair
7:50 PM	17	72	NNW	5.4	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
8:20 PM	17	72	NW	4.5	0	Fair
8:50 PM	16	77	NW	4.5	0	Fair
9:20 PM	16	77	NNW	4.5	0	Fair
10:20 PM	16	77	NNW	4.5	0	Fair
10:50 PM	15	82	NW	3.1	0	Fair

Table 4 - Meteorological Conditions – 1 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	14	88	NNW	3.6	0	Light Drizzle
6:20 AM	14	88	NW	4.0	0	Light Drizzle
6:50 AM	13	94	NNW	4.0	0	Partly Cloudy
7:20 AM	14	88	NNW	3.6	0	Partly Cloudy
7:50 AM	15	77	NW	3.6	0	Partly Cloudy
8:20 AM	15	77	NNW	4.0	0	Mostly Cloudy
8:50 AM	15	77	NW	4.5	0	Mostly Cloudy
9:20 AM	16	72	NW	3.1	0	Mostly Cloudy
9:50 AM	16	72	NW	4.0	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
10:20 AM	17	68	NW	3.6	0	Mostly Cloudy
10:50 AM	17	63	NW	4.0	0	Mostly Cloudy
11:20 AM	17	68	WNW	4.0	0	Mostly Cloudy
11:50 AM	18	64	WNW	4.5	0	Mostly Cloudy
12:20 PM	18	59	NW	4.5	0	Partly Cloudy
12:50 PM	19	64	NW	3.6	0	Partly Cloudy
1:20 PM	18	59	NW	4.0	0	Partly Cloudy
1:50 PM	19	56	NW	4.5	0	Partly Cloudy
2:20 PM	19	60	NW	4.0	0	Partly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
2:50 PM	19	60	WNW	4.5	0	Partly Cloudy
3:20 PM	20	52	WNW	4.0	0	Partly Cloudy
3:50 PM	20	56	WNW	3.6	0	Partly Cloudy
4:20 PM	20	56	WNW	3.6	0	Partly Cloudy
4:50 PM	21	49	W	4.5	0	Partly Cloudy
5:20 PM	20	52	WNW	5.4	0	Fair
5:50 PM	21	46	WNW	5.4	0	Fair
6:20 PM	20	52	W	4.0	0	Fair
6:50 PM	20	46	W	5.4	0	Fair
7:20 PM	19	52	WNW	5.4	0	Fair
7:50 PM	18	56	W	4.0	0	Fair
8:20 PM	18	59	WNW	4.5	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
8:50 PM	17	59	W	3.6	0	Fair
9:20 PM	17	59	W	3.6	0	Fair
9:50 PM	16	68	W	3.1	0	Fair
10:20 PM	16	68	W	1.3	0	Partly Cloudy
10:50 PM	16	68	W	2.7	0	Partly Cloudy

Table 5 - Meteorological Conditions – 2 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
6:50 AM	16	77	NNW	4.5	0	Partly Cloudy
7:20 AM	15	72	N	5.4	0	Partly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
7:50 AM	15	77	N	4.0	0	Partly Cloudy
8:20 AM	16	72	N	5.4	0	Partly Cloudy
8:50 AM	16	63	N	5.8	0	Partly Cloudy
9:20 AM	16	63	N	4.5	0	Partly Cloudy
9:50 AM	17	55	NW	4.0	0	Partly Cloudy
10:20 AM	17	55	NNW	4.0	0	Fair
10:50 AM	18	52	NW	4.0	0	Fair
11:20 AM	18	52	NW	3.1	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
11:50 AM	18	49	W	3.6	0	Fair
12:20 PM	19	49	NNW	3.6	0	Fair
12:50 PM	19	49	NW	3.6	0	Fair
1:20 PM	20	49	NNW	3.1	0	Fair
1:50 PM	20	49	NW	4.0	0	Fair
2:20 PM	21	43	WNW	4.0	0	Fair
2:50 PM	21	40	WNW	3.6	0	Fair
3:20 PM	21	46	NW	4.0	0	Fair
3:50 PM	21	43	WNW	2.7	0	Fair
4:20 PM	22	43	WNW	3.1	0	Fair
4:50 PM	22	43	WSW	2.7	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:20 PM	22	41	W	2.7	0	Fair
5:50 PM	22	43	W	3.6	0	Fair
6:20 PM	21	43	W	3.6	0	Fair
6:50 PM	21	43	WNW	3.6	0	Fair
7:20 PM	21	46	WNW	3.6	0	Fair
7:50 PM	21	43	W	2.7	0	Fair
8:20 PM	20	46	W	3.6	0	Fair
8:50 PM	19	56	W	3.6	0	Fair
9:20 PM	18	59	WSW	3.1	0	Fair
9:50 PM	18	59	W	3.6	0	Fair
10:20 PM	16	68	WSW	2.2	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
10:50 PM	16	72	VAR	0.9	0	Fair

Table 6 - Meteorological Conditions – 3 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	14	77	VAR	1.3	0	Fair
6:20 AM	14	77	WSW	2.2	0	Fair
6:50 AM	14	77	VAR	1.3	0	Fair
7:20 AM	14	77	W	2.2	0	Fair
7:50 AM	14	77	W	2.2	0	Fair
8:20 AM	15	77	W	3.1	0	Partly Cloudy
8:50 AM	15	72	WSW	2.7	0	Partly Cloudy
9:20 AM	15	77	WSW	2.7	0	Partly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
9:50 AM	16	72	W	3.1	0	Partly Cloudy
10:20 AM	17	68	WSW	3.6	0	Partly Cloudy
10:50 AM	17	68	WSW	3.1	0	Mostly Cloudy
11:20 AM	17	72	WSW	4.5	0	Mostly Cloudy
11:50 AM	18	68	SW	4.5	0	Mostly Cloudy
12:20 PM	18	68	WSW	3.6	0	Mostly Cloudy
12:50 PM	18	73	SSW	4.0	0	Mostly Cloudy
1:20 PM	17	77	SSW	5.4	0	Showers in the Vicinity

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
1:50 PM	18	73	SSW	3.6	0	Showers in the Vicinity
2:20 PM	19	68	WSW	4.0	0	Showers in the Vicinity
2:50 PM	18	77	W	3.1	0	Partly Cloudy
3:20 PM	20	68	WSW	3.6	0	Partly Cloudy
3:50 PM	19	73	S	4.0	0	Partly Cloudy
4:20 PM	21	56	SW	3.6	0	Partly Cloudy
4:50 PM	21	60	W	4.5	0	Partly Cloudy
5:20 PM	21	56	W	3.6	0	Partly Cloudy
5:50 PM	21	56	WNW	4.0	0	Partly Cloudy
6:20 PM	20	68	W	3.1	0	Partly Cloudy
6:50 PM	21	64	W	4.5	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
7:20 PM	21	49	WNW	3.1	0	Fair
7:50 PM	20	52	WNW	4.5	0	Fair
8:20 PM	20	56	W	3.1	0	Fair
8:50 PM	19	60	WNW	3.1	0	Fair
9:20 PM	18	64	W	2.7	0	Fair
9:50 PM	18	64	WNW	3.1	0	Fair
10:20 PM	17	68	W	0.9	0	Fair
10:50 PM	16	72	VAR	1.3	0	Fair

Table 7 - Meteorological Conditions – 4 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	11	94	VAR	0.4	0	Fair
6:20 AM	13	94	CALM	0.0	0	Partly Cloudy
6:50 AM	13	94	CALM	0.0	0	Mostly Cloudy
7:20 AM	14	88	CALM	0.0	0	Mostly Cloudy
7:50 AM	15	82	VAR	0.4	0	Mostly Cloudy
8:20 AM	15	82	VAR	0.9	0	Mostly Cloudy
8:50 AM	16	82	VAR	0.4	0	Mostly Cloudy
9:20 AM	16	82	VAR	0.9	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
9:50 AM	17	77	VAR	0.4	0	Mostly Cloudy
10:20 AM	18	68	W	2.2	0	Mostly Cloudy
10:50 AM	18	68	WSW	2.2	0	Mostly Cloudy
11:20 AM	18	68	SSW	2.2	0	Mostly Cloudy
11:50 AM	18	68	SSW	2.2	0	Mostly Cloudy
12:20 PM	19	64	SSW	2.2	0	Mostly Cloudy
12:50 PM	18	68	SW	2.2	0	Mostly Cloudy
1:20 PM	19	64	W	2.2	0	Mostly Cloudy

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
1:50 PM	20	56	SW	2.2	0	Mostly Cloudy
2:20 PM	20	56	SSW	3.1	0	Mostly Cloudy
2:50 PM	20	60	SSW	3.1	0	Partly Cloudy
3:20 PM	20	56	SSW	2.2	0	Partly Cloudy
3:50 PM	20	56	SSW	3.1	0	Partly Cloudy
4:20 PM	20	60	S	3.6	0	Partly Cloudy
4:50 PM	20	60	SSW	3.1	0	Partly Cloudy
5:20 PM	20	60	S	3.1	0	Fair
5:50 PM	20	56	S	2.7	0	Fair
6:20 PM	19	64	SSW	3.1	0	Fair
6:50 PM	20	60	S	3.1	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
7:20 PM	19	64	SSW	3.1	0	Fair
7:50 PM	18	68	SSW	2.7	0	Fair
8:20 PM	17	72	SSW	3.1	0	Fair
8:50 PM	17	68	SSW	3.6	0	Mostly Cloudy
9:20 PM	17	63	SSW	2.7	0	Mostly Cloudy
9:50 PM	16	68	SSW	1.3	0	Mostly Cloudy
10:20 PM	16	68	VAR	0.4	0	Fair
10:50 PM	15	77	CALM	0.0	0	Fair

Table 8 - Meteorological Conditions – 5 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	10	94	CALM	0.0	0	Fair
6:20 AM	11	94	VAR	0.4	0	Fair
6:50 AM	14	88	CALM	0.0	0	Fair
7:20 AM	15	82	VAR	0.9	0	Fair
7:50 AM	16	72	NNE	2.7	0	Fair
8:20 AM	17	68	VAR	1.3	0	Fair
8:50 AM	18	68	VAR	1.3	0	Fair
9:20 AM	19	64	VAR	1.3	0	Fair
9:50 AM	20	60	VAR	1.3	0	Fair
10:20 AM	21	53	VAR	2.2	0	Fair
10:50 AM	22	50	VAR	1.3	0	Fair
11:20 AM	22	50	VAR	1.3	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
11:50 AM	23	47	VAR	1.3	0	Fair
12:20 PM	23	47	VAR	1.3	0	Fair
12:50 PM	23	50	S	3.1	0	Fair
1:20 PM	23	50	SSW	3.1	0	Fair
1:50 PM	24	47	SSW	3.1	0	Fair
2:20 PM	25	44	S	2.7	0	Fair
2:50 PM	24	47	S	2.2	0	Fair
3:20 PM	25	44	S	3.1	0	Fair
3:50 PM	25	47	S	3.6	0	Fair
4:20 PM	24	50	S	3.6	0	Fair
4:50 PM	24	50	S	3.1	0	Fair
5:20 PM	24	50	SE	3.1	0	Fair
5:50 PM	24	50	S	2.7	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
6:20 PM	24	50	SE	2.7	0	Fair
6:50 PM	24	50	VAR	1.3	0	Fair
7:20 PM	23	53	VAR	1.3	0	Fair
7:50 PM	23	53	VAR	0.9	0	Fair
8:20 PM	22	57	E	0.9	0	Fair
8:50 PM	22	57	SE	0.9	0	Fair
9:50 PM	19	64	ESE	0.4	0	Fair
10:20 PM	18	73	ESE	0.4	0	Fair
10:50 PM	16	82	NE	0.9	0	Fair

Table 9 - Meteorological Conditions – 6 July 2017 – Southampton Airport

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
5:50 AM	14	88	N	0.9	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
6:20 AM	15	82	NNE	0.9	0	Fair
6:50 AM	16	88	CALM	0.0	0	Fair
7:20 AM	18	73	CALM	0.0	0	Fair
7:50 AM	20	68	VAR	0.9	0	Fair
8:20 AM	21	64	VAR	2.2	0	Fair
8:50 AM	22	60	VAR	1.3	0	Fair
9:20 AM	23	57	ESE	2.7	0	Fair
9:50 AM	23	57	SE	2.7	0	Fair
10:20 AM	23	57	SE	2.7	0	Fair
10:50 AM	24	53	SSE	2.7	0	Fair
11:20 AM	24	53	SE	2.2	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
11:50 AM	25	54	VAR	1.3	0	Fair
12:20 PM	25	50	VAR	1.3	0	Fair
12:50 PM	26	51	VAR	2.2	0	Fair
1:20 PM	26	51	SSE	2.2	0	Fair
1:50 PM	25	54	SW	4.0	0	Fair
2:20 PM	25	54	SW	3.6	0	Fair
2:50 PM	26	54	SSW	3.1	0	Fair
3:20 PM	27	51	SSE	2.2	0	Fair
3:50 PM	27	51	SSE	2.2	0	Fair
4:20 PM	28	48	SSE	2.2	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
4:50 PM	27	51	SSW	4.0	0	Partly Cloudy
5:20 PM	26	57	SSW	4.5	0	Partly Cloudy
5:50 PM	26	54	SSW	4.0	0	Partly Cloudy
6:20 PM	26	57	SSW	3.1	0	Partly Cloudy
6:50 PM	26	54	W	3.6	0	Fair
7:20 PM	26	51	W	4.0	0	Fair
7:50 PM	25	36	W	4.5	0	Fair
8:20 PM	25	39	W	3.6	0	Fair
8:50 PM	23	50	W	3.6	0	Fair
9:20 PM	22	53	W	3.1	0	Fair

Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)	Precipitation (mm)	Condition
9:50 PM	21	53	W	2.7	0	Fair
10:20 PM	20	56	W	0.9	0	Fair
10:50 PM	19	60	VAR	1.3	0	Fair
11:20 PM	19	60	WNW	2.7	0	Fair

Table 10 below presents the meteorological conditions from Thorney Island during the baseline noise survey in June and July 2017. The time period presented refers to the typical weather conditions in the preceding 1-hour period (e.g. the data listed as 09:00 hours refers to the conditions during the period 08:00-09:00 hours).

Table 10 - Meteorological Conditions – 28 June to 6 July 2017 – Thorney Island

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
28/06/2017 00:00	17	99	NNW	1.0
28/06/2017 01:00	17	98	WNW	2.1
28/06/2017 02:00	16	98	WNW	2.6
28/06/2017 03:00	16	97	WNW	2.6
28/06/2017 04:00	16	96	N	2.6
28/06/2017 05:00	16	97	N	1.5
28/06/2017 06:00	16	96	N	2.1
28/06/2017 07:00	16	96	NNE	2.6
28/06/2017 08:00	16	95	ENE	3.1
28/06/2017 09:00	16	92	ENE	3.6
28/06/2017 10:00	17	90	ENE	2.1
28/06/2017 11:00	17	91	ESE	1.5

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
28/06/2017 12:00	17	94	E	0.5
28/06/2017 13:00	17	96	N	1.5
28/06/2017 14:00	18	89	SSE	0.5
28/06/2017 15:00	17	92	WSW	0.5
28/06/2017 16:00	17	92	NE	2.1
28/06/2017 17:00	16	93	NE	3.6
28/06/2017 18:00	15	95	N	2.6
28/06/2017 19:00	15	93	NNE	2.6
28/06/2017 20:00	15	93	N	2.1
28/06/2017 21:00	14	90	NNE	3.6
28/06/2017 22:00	14	92	NE	2.6
28/06/2017 23:00	14	91	NNE	2.1
29/06/2017 00:00	13	94	N	2.1
29/06/2017 01:00	12	95	N	2.6

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
29/06/2017 02:00	12	96	N	3.1
29/06/2017 03:00	12	96	N	1.5
29/06/2017 04:00	12	96	NNW	1.5
29/06/2017 05:00	12	94	NNW	1.0
29/06/2017 06:00	12	92	NW	1.5
29/06/2017 07:00	13	89	NW	2.6
29/06/2017 08:00	13	90	NW	2.1
29/06/2017 09:00	14	85	NW	1.5
29/06/2017 10:00	14	83	W	2.6
29/06/2017 11:00	15	85	SW	3.1
29/06/2017 12:00	15	84	SW	3.1
29/06/2017 13:00	15	87	SW	3.1
29/06/2017 14:00	15	86	W	2.1
29/06/2017 15:00	15	89	W	1.5

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
29/06/2017 16:00	16	87	SW	2.6
29/06/2017 17:00	16	85	SSW	3.1
29/06/2017 18:00	16	84	WSW	3.1
29/06/2017 19:00	16	81	W	2.1
29/06/2017 20:00	15	84	NNW	2.1
29/06/2017 21:00	15	87	NNW	1.5
29/06/2017 22:00	15	89	NNE	1.0
29/06/2017 23:00	15	90	NNW	0.5
30/06/2017 00:00	14	92	N	0.0
30/06/2017 01:00	14	94	NE	1.0
30/06/2017 02:00	13	94	NNE	1.0
30/06/2017 03:00	14	93	N	2.1
30/06/2017 04:00	13	94	N	1.0
30/06/2017 05:00	13	93	N	1.0

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
30/06/2017 06:00	14	91	N	2.1
30/06/2017 07:00	16	83	N	2.6
30/06/2017 08:00	17	76	NE	2.6
30/06/2017 09:00	18	73	WSW	2.1
30/06/2017 10:00	18	74	N	2.1
30/06/2017 11:00	20	67	N	1.0
30/06/2017 12:00	19	67	NW	2.1
30/06/2017 13:00	19	71	SSW	2.1
30/06/2017 14:00	20	60	NW	3.1
30/06/2017 15:00	21	60	NW	4.1
30/06/2017 16:00	22	60	NW	4.6
30/06/2017 17:00	21	56	NW	4.6
30/06/2017 18:00	21	59	NW	4.1
30/06/2017 19:00	20	62	NNW	4.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
30/06/2017 20:00	18	71	NW	4.6
30/06/2017 21:00	17	80	NW	3.6
30/06/2017 22:00	16	84	NNW	3.1
30/06/2017 23:00	16	88	NW	3.1
01/07/2017 00:00	16	88	WNW	4.1
01/07/2017 01:00	16	89	NW	3.6
01/07/2017 02:00	16	86	NNW	3.6
01/07/2017 03:00	16	85	NW	3.6
01/07/2017 04:00	16	85	NW	4.6
01/07/2017 05:00	16	86	NNW	4.6
01/07/2017 06:00	15	82	NNW	4.1
01/07/2017 07:00	16	81	NW	3.1
01/07/2017 08:00	16	77	NNW	4.1
01/07/2017 09:00	17	73	NW	4.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
01/07/2017 10:00	18	68	NW	5.1
01/07/2017 11:00	19	66	WNW	4.6
01/07/2017 12:00	21	61	NW	4.1
01/07/2017 13:00	21	61	WNW	4.1
01/07/2017 14:00	21	59	WNW	4.1
01/07/2017 15:00	21	64	W	5.1
01/07/2017 16:00	22	63	W	5.7
01/07/2017 17:00	21	66	WSW	6.7
01/07/2017 18:00	20	65	WSW	7.7
01/07/2017 19:00	18	73	WSW	6.2
01/07/2017 20:00	18	75	WSW	5.7
01/07/2017 21:00	18	69	W	4.6
01/07/2017 22:00	17	72	W	4.6
01/07/2017 23:00	17	76	W	5.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
02/07/2017 00:00	17	79	WNW	4.6
02/07/2017 01:00	17	82	W	4.6
02/07/2017 02:00	17	85	W	4.1
02/07/2017 03:00	16	89	W	4.1
02/07/2017 04:00	17	90	WNW	3.1
02/07/2017 05:00	17	88	WNW	3.1
02/07/2017 06:00	17	91	WNW	3.1
02/07/2017 07:00	16	78	N	6.2
02/07/2017 08:00	17	73	N	5.1
02/07/2017 09:00	18	69	NNW	4.6
02/07/2017 10:00	19	63	NW	4.6
02/07/2017 11:00	20	54	WNW	4.6
02/07/2017 12:00	21	52	NW	3.6
02/07/2017 13:00	22	48	NNW	3.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
02/07/2017 14:00	23	46	W	4.1
02/07/2017 15:00	24	44	WNW	4.1
02/07/2017 16:00	23	45	NW	4.1
02/07/2017 17:00	22	63	SW	6.2
02/07/2017 18:00	20	69	SW	7.2
02/07/2017 19:00	19	73	WSW	6.2
02/07/2017 20:00	18	76	WSW	6.2
02/07/2017 21:00	17	81	W	6.2
02/07/2017 22:00	16	83	W	4.1
02/07/2017 23:00	16	87	W	3.1
03/07/2017 00:00	15	91	W	2.6
03/07/2017 01:00	15	93	WSW	2.6
03/07/2017 02:00	15	94	W	1.0
03/07/2017 03:00	16	95	W	2.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
03/07/2017 04:00	15	87	WNW	1.0
03/07/2017 05:00	15	88	NW	1.0
03/07/2017 06:00	16	85	W	3.1
03/07/2017 07:00	16	81	W	4.1
03/07/2017 08:00	16	79	W	5.7
03/07/2017 09:00	18	76	WSW	6.2
03/07/2017 10:00	19	74	W	6.2
03/07/2017 11:00	19	77	WSW	6.7
03/07/2017 12:00	19	75	WSW	6.7
03/07/2017 13:00	20	79	WSW	7.2
03/07/2017 14:00	21	76	WSW	6.2
03/07/2017 15:00	20	78	WSW	7.2
03/07/2017 16:00	20	76	WSW	7.7
03/07/2017 17:00	20	76	WSW	6.7

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
03/07/2017 18:00	20	73	WSW	6.2
03/07/2017 19:00	19	74	WSW	6.7
03/07/2017 20:00	19	80	WSW	5.1
03/07/2017 21:00	18	85	W	5.1
03/07/2017 22:00	17	91	W	2.6
03/07/2017 23:00	16	85	WNW	2.1
04/07/2017 00:00	15	86	W	2.1
04/07/2017 01:00	15	86	WNW	2.1
04/07/2017 02:00	14	92	WNW	2.1
04/07/2017 03:00	13	94	WNW	1.5
04/07/2017 04:00	13	95	WNW	1.5
04/07/2017 05:00	14	97	WNW	1.5
04/07/2017 06:00	16	89	WNW	2.1
04/07/2017 07:00	17	85	W	2.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
04/07/2017 08:00	19	78	W	3.1
04/07/2017 09:00	19	76	WSW	2.6
04/07/2017 10:00	19	82	SSW	3.6
04/07/2017 11:00	19	79	SSW	3.6
04/07/2017 12:00	19	81	S	3.6
04/07/2017 13:00	20	74	SSW	4.6
04/07/2017 14:00	20	68	SSW	5.7
04/07/2017 15:00	19	71	SSW	6.7
04/07/2017 16:00	20	70	SSW	6.7
04/07/2017 17:00	19	68	S	5.1
04/07/2017 18:00	19	66	SSW	3.6
04/07/2017 19:00	19	69	SSW	3.6
04/07/2017 20:00	18	80	WSW	3.1
04/07/2017 21:00	17	82	W	2.1

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
04/07/2017 22:00	16	88	WNW	1.5
04/07/2017 23:00	15	90	N	1.0
05/07/2017 00:00	14	92	NW	1.0
05/07/2017 01:00	13	94	N	0.5
05/07/2017 02:00	13	96	N	0.0
05/07/2017 03:00	12	96	NW	1.5
05/07/2017 04:00	13	98	N	1.0
05/07/2017 05:00	14	88	N	2.1
05/07/2017 06:00	17	78	NNE	1.0
05/07/2017 07:00	19	75	N	2.1
05/07/2017 08:00	20	68	ENE	2.6
05/07/2017 09:00	21	71	SSW	2.1
05/07/2017 10:00	22	64	SSE	2.6
05/07/2017 11:00	24	57	S	3.6

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
05/07/2017 12:00	23	63	S	4.6
05/07/2017 13:00	23	59	S	5.1
05/07/2017 14:00	25	57	SE	4.1
05/07/2017 15:00	23	64	S	5.7
05/07/2017 16:00	22	69	SSW	4.6
05/07/2017 17:00	22	68	S	2.1
05/07/2017 18:00	22	65	SSW	4.6
05/07/2017 19:00	22	60	ESE	3.6
05/07/2017 20:00	20	74	ESE	3.1
05/07/2017 21:00	19	82	ENE	2.6
05/07/2017 22:00	18	86	ENE	1.5
05/07/2017 23:00	18	86	E	1.0
06/07/2017 00:00	17	88	NE	2.1
06/07/2017 01:00	17	85	ENE	2.6

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
06/07/2017 02:00	16	85	ENE	2.6
06/07/2017 03:00	17	79	ENE	2.6
06/07/2017 04:00	17	80	ENE	3.6
06/07/2017 05:00	18	79	ENE	3.6
06/07/2017 06:00	20	74	ENE	4.1
06/07/2017 07:00	22	71	E	6.2
06/07/2017 08:00	23	67	ESE	6.2
06/07/2017 09:00	23	66	E	7.2
06/07/2017 10:00	23	67	E	5.7
06/07/2017 11:00	24	65	ESE	5.1
06/07/2017 12:00	25	67	ESE	5.1
06/07/2017 13:00	24	68	SE	3.6
06/07/2017 14:00	24	69	SSW	5.1
06/07/2017 15:00	24	71	SSW	3.6

Date / Time	Temperature (°C)	Relative Humidity (%)	Wind Direction	Wind speed (m/s)
06/07/2017 16:00	24	77	S	3.1
06/07/2017 17:00	22	78	SSW	4.6
06/07/2017 18:00	23	79	S	2.1
06/07/2017 19:00	25	70	W	4.1
06/07/2017 20:00	23	69	W	3.6
06/07/2017 21:00	22	62	W	3.6
06/07/2017 22:00	21	69	W	3.6
06/07/2017 23:00	20	66	WNW	5.7
07/07/2017 00:00	19	72	WNW	4.6

2. WIND SPEED ANALYSIS GRAPHS

Plate 1 – Wind speed at Southampton Airport and Thorney Island meteorological stations during baseline noise survey

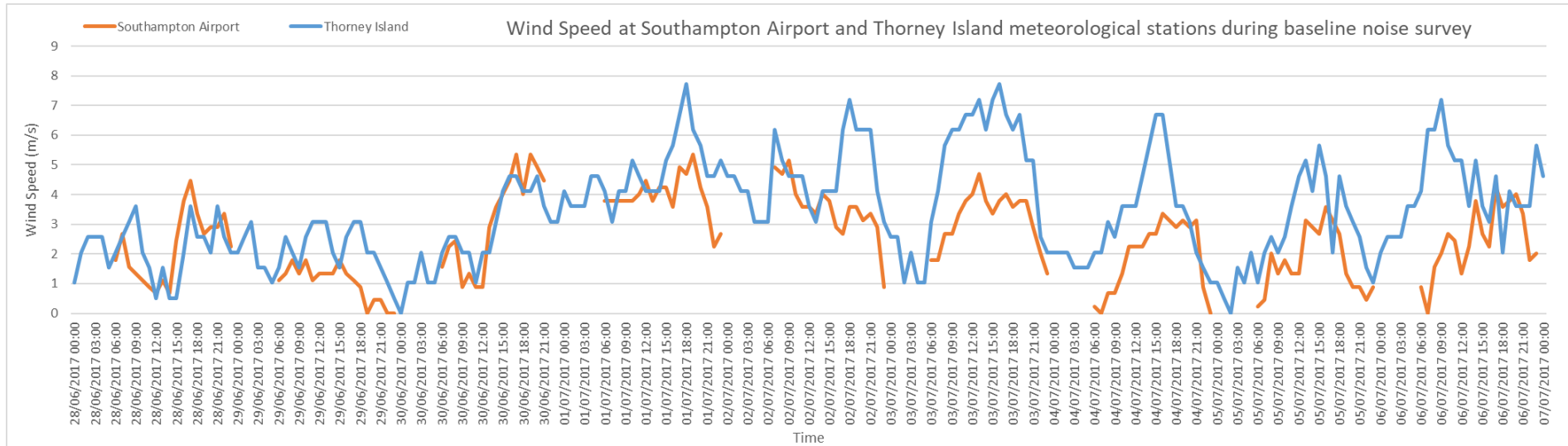
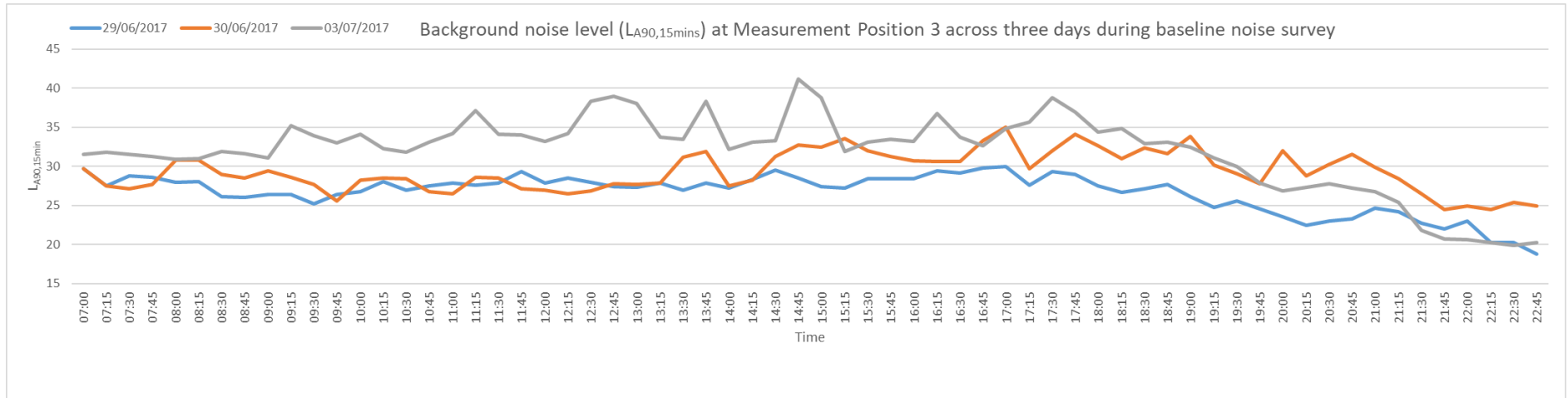


Plate 2 – Background noise level at Measurement Position 3 across three days during baseline noise survey, dB



Table

Table 11 - Measured background noise levels at MP2 and MP4 and wind speed during night-time of 1 July 2017

Date / Time	MP2 dB L _{A90, 15min}	MP4 dB L _{A90, 15min}	Wind Speed (m/s)
01/07/2017 23:00	28	31	5.1
01/07/2017 23:15	28	31	4.6
01/07/2017 23:30	27	31	4.6
01/07/2017 23:45	28	31	4.6
02/07/2017 00:00	28	33	4.6
02/07/2017 00:15	25	28	4.6
02/07/2017 00:30	25	28	4.6
02/07/2017 00:45	25	29	4.6
02/07/2017 01:00	25	29	4.6
02/07/2017 01:15	24	27	4.1
02/07/2017 01:30	25	27	4.1
02/07/2017 01:45	24	27	4.1
02/07/2017 02:00	23	27	4.1
02/07/2017 02:15	23	26	4.1
02/07/2017 02:30	22	25	4.1
02/07/2017 02:45	22	26	4.1
02/07/2017 03:00	23	26	4.1
02/07/2017 03:15	23	26	3.1
02/07/2017 03:30	23	26	3.1
02/07/2017 03:45	23	26	3.1
02/07/2017 04:00	22	26	3.1
02/07/2017 04:15	24	28	3.1

Date / Time	MP2 dB LA90, 15min	MP4 dB LA90, 15min	Wind Speed (m/s)
02/07/2017 04:30	29	28	3.1
02/07/2017 04:45	30	27	3.1
02/07/2017 05:00	31	27	3.1
02/07/2017 05:15	27	28	3.1
02/07/2017 05:30	27	29	3.1
02/07/2017 05:45	27	29	3.1
02/07/2017 06:00	28	28	3.1
02/07/2017 06:15	27	28	6.2
02/07/2017 06:30	27	29	6.2
02/07/2017 06:45	30	29	6.2

3. REVISED OPERATIONAL NOISE RESULTS

Table 12 - Revised octave band breakdown of typical daytime background noise levels

Measurement Position	Typical Daytime Background Noise Level (dB, L _{AF90})									
	31.5Hz	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	L _{AF90}
1	6.5	18.0	23.1	24.2	26.4	26.8	24.3	23.1	18.1	33
2	6.6	17.8	21.8	24.1	27.4	26.6	23.9	22.6	18.9	33
3	-12.2*	3.5*	10.5*	16.5*	23.7*	24.6*	20.7*	18.1*	15.1*	29*
4	5.3	16.5	27.8	20.8	24.5	24.1	21.4	19.5	16.3	32
5	15.8	22.5	25.9	30.0	35.3	38.6	36.4	31.1	22.0	43
6	5.6	15.8	21.2	24.5	28.6	26.0	23.3	22.1	15.4	33

These are the daytime target octave band noise criteria for the operational assessment. The criteria are applicable at the sensitive receptors that these measurement positions represent. The sensitive receptors applicable to each measurement position are shown in section 24.4.1 (Baseline Noise Survey) of Chapter 24 (Noise and Vibration) of the 2019 ES.

*The daytime target noise criteria for the receptors represented by MP3 have marginally decreased due to the exclusion of data measured during the daytime period of 3rd July 2017. This affects the target criteria for receptors R6, R7 and R8.

Octave band data is A-weighted.

Table 13 - Converter Station noise model results – Option B (i) - with embedded mitigation and without additional mitigation – revised comparison against daytime criteria, dB

Receptor group	Comparison against daytime criteria - OpB (i)									
	31.5Hz	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	L _{Aeq,T}
R1 - The Haven and Old Mill Cottage	-22.7	-4.8	-5.9	-8.1	-8.8	-12.0	-15.6	-26.5	-52.6	-8.4
R2 - Hillcrest	-24.7	-6.6	-7.3	-7.7	-7.0	-11.3	-14.9	-24.7	-46.0	-8.2
R3 - Millfield Farm	-25.3	-8.7	-12.6	-13.2	-13.6	-15.6	-18.1	-35.0	-74.0	-11.5
R4 - Kimberley House	-30.6	-14.9	-18.3	-18.3	-17.9	-21.3	-27.4	-47.3	-97.6	-17.0
R5 - Little Denmead Farm	-29.1	-14.7	-15.3	-14.8	-14.0	-18.2	-23.5	-42.1	-73.9	-14.6
R6 - Holme and Highfield Cottages	-12.4	+1.2	-2.1	-6.9	-12.0	-17.8	-23.5	-44.1	-96.2	-12.1
R7 - Lower Chapters	-14.0	+0.6	-2.5	-7.3	-12.6	-18.7	-25.2	-49.7	-96.4	-12.9
R8 - The Arrows	-16.7	-1.5	-3.0	-8.2	-13.7	-20.2	-27.9	-58.5	-96.4	-14.0
R9 - Broadways	-31.3	-12.1	-18.1	-9.4	-10.0	-11.3	-17.7	-48.6	-97.6	-12.5
R10 - Broadway Farm House	-27.0	-8.6	-15.0	-5.8	-6.1	-6.4	-10.4	-35.0	-96.8	-8.8
R11 - Broadway Farm Cottages	-27.5	-9.7	-15.4	-5.6	-4.8	-6.1	-10.3	-35.2	-96.7	-8.2
R12 - Hinton Daubnay	-25.6	-3.3	-8.6	-6.9	-5.0	-4.4	-10.0	-42.5	-96.7	-6.0
R13 - Ludmore Cottages	-33.0	-13.9	-12.8	-12.3	-12.8	-14.1	-21.7	-57.5	-96.7	-13.8
R14 - Old Mill House and The Shieling	-27.2	-8.0	-8.2	-8.5	-9.1	-12.7	-18.1	-39.4	-90.9	-10.4

R15 - The Ranch	-25.5	-6.4	-7.5	-8.8	-9.5	-12.1	-16.7	-34.2	-77.3	-10.1
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N.B. If the number is negative the predicted noise level from the converter station is below the criteria.

Table 14 - Converter Station noise model results – Option B (ii) - with embedded mitigation and without additional mitigation – revised comparison against daytime criteria, dB

Receptor group	Comparison against daytime criteria - OpB (ii)									
	31.5Hz	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	L _{Aeq,T}
R1 - The Haven and Old Mill Cottage	-23.7	-5.5	-6.1	-8.2	-8.6	-11.4	-14.9	-25.7	-50.3	-8.2
R2 - Hillcrest	-25.1	-7.6	-7.8	-7.9	-7.3	-11.1	-14.8	-25.3	-47.0	-8.2
R3 - Millfield Farm	-26.3	-9.7	-13.4	-13.6	-14.4	-16.2	-19.2	-36.1	-74.3	-12.1
R4 - Kimberley House	-30.9	-15.2	-18.5	-18.4	-18.0	-21.8	-28.2	-49.0	-98.4	-17.3
R5 - Little Denmead Farm	-30.1	-17.3	-17.0	-16.2	-15.1	-19.4	-24.3	-44.0	-74.1	-15.6
R6 - Holme and Highfield Cottages	-12.8	+0.8	-2.5	-7.2	-12.2	-17.9	-23.7	-44.6	-96.3	-12.3
R7 - Lower Chapters	-14.1	+0.4	-2.6	-7.4	-12.7	-18.8	-25.5	-50.2	-96.4	-13.0
R8 - The Arrows	-16.7	-1.5	-3.0	-8.1	-13.7	-20.4	-27.9	-58.8	-96.4	-14.0
R9 - Broadways	-31.3	-12.0	-18.0	-8.7	-9.3	-12.1	-18.6	-49.0	-97.6	-12.4
R10 - Broadway Farm House	-27.0	-8.3	-15.3	-6.3	-6.4	-6.4	-10.3	-34.7	-96.2	-8.9
R11 - Broadway Farm Cottages	-27.5	-9.5	-15.2	-5.9	-5.5	-6.2	-10.3	-34.6	-95.8	-8.5
R12 - Hinton Daubnay	-24.9	-2.7	-8.1	-6.6	-4.7	-4.0	-9.3	-40.9	-96.7	-5.6

R13 - Ludmore Cottages	-32.7	-13.6	-12.4	-11.9	-12.4	-13.8	-21.4	-56.4	-96.7	-13.4
R14 - Old Mill House and The Shieling	-27.0	-7.8	-7.7	-7.9	-8.4	-11.9	-17.2	-38.6	-88.4	-9.8
R15 - The Ranch	-25.2	-6.2	-7.0	-8.6	-8.6	-11.9	-16.3	-32.9	-74.0	-9.6

N.B. If the number is negative the predicted noise level from the converter station is below the criteria

