



REPORT REFERENCE:

SA - 5031

INTERNAL NOISE ASSESSMENT

CLIENT:

Taylor Wimpey Southern Counties

Colvedene Court

Wessex Business Park

Colden Common

Hampshire

SO21 1WP

SITE:

Land at Ferring

Littlehampton Road

Ferring

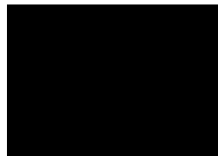
West Sussex

SURVEY DATES:

1st – 4th July 2017

Report Presented By

Mr. B. J. Scrivener MIOA-



Sound Advice Acoustics Ltd
2 West Links, Tollgate, Chandlers Ford, Hampshire, SO53 3TG



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1 INTRODUCTION

Internal noise levels were recorded in the first floor bedroom of the Plot 4 facing Littlehampton Road, as the planning condition stated that:

Before first occupation of dwellings on proposed plots 1 – 4, 34 – 36 and 37 – 40 as determined on Proposed Site Layout FD13-1121-55 Rev A, post validation testing shall be undertaken by a competent person to determine compliance with BS8233: 2014 as stated in the acoustic report SA 2613/RV.04 produced by Sound Advice acoustics Ltd. This must be submitted and agreed in writing with the local planning authority before first occupation.

The measurements were taken over continuous 15 minute periods and are averaged over the relevant assessment periods as agreed.

The following tabulated results have been evaluated from the attached figures 1- 3 for internal measurements.

These measurements have demonstrated compliance with the relevant standards and further validate the 3D CADNA A model previously submitted.

Therefore at this stage no further remedial works are required with regards to acoustics.

2 APPARATUS

The equipment was calibrated using a sound pressure level of 114.0 dB at an octave band centre frequency of 1000Hz with reference to $2 \times 10^{-5} \text{ Nm}^{-2}$ before and after the tests and the equipment set to have no inaccuracy greater than 0.2dB.

All the following equipment was calibrated in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service (UKAS) on the following dates. Calibration schedules are implemented within Sound Advice Acoustics Ltd in accordance with UKAS directive LAB 23.

2.1 Norsonic noise meter s/n 1403140 environmental testing

Description	Make	Type	Serial No.	Calibration Intervals	Last Calibrated	Next Due Calibration
Integrated Sound Level Meter	Norsonic	140	<u>1403140</u>	2 YEARS	13.06.2016	13.06.2018
12.5mm Microphone (with windshield)	Norsonic	1220	<u>52260</u>	2 YEARS	13.06.2016	13.06.2018
Microphone Pre – Amplifier	Norsonic	1201	<u>30233</u>	2 YEARS	13.06.2016	13.06.2018

Full calibration certificates are available upon request.

3 INDOOR LIVING AREAS

BS 8233: 2014 set the following parameters as target levels that should be designed to within rooms such as Living Rooms and Bedrooms.

Table 2 Indoor ambient noise levels in spaces when they are unoccupied and privacy is also important

Objective	Typical situations	Design Range
		$L_{Aeq,t}$ dB
Typical noise levels for acoustic privacy in shared spaces	Restaurant	40 – 55
	Open plan office	45 – 50
	Night club, public house	40 – 45
	Ballroom, banqueting hall	35 – 40
	Living room	35 – 40

NOTE See Noise control in building services [28] and BS EN ISO 3382.

Table 4 Indoor ambient noise levels for dwellings

Activity	Location	07:00 – 23:00	23:00 – 07:00
Resting	Living Room	35 dB L_{Aeq} 16 HOUR	--
Dining	Dining Room / Area	40 dB L_{Aeq} 16 HOUR	--
Sleeping (daytime resting)	Bedroom	35 dB L_{Aeq} 16 HOUR	30 dB L_{Aeq} 8 HOUR

Daytime Internal Noise Levels L_{Aeq} 16 HOUR dB

Saturday 1 st July 2017	Sunday 2 nd July 2017	Monday 3 rd July 2017
34.2	34.1	34.9

Night Time Internal Noise Levels L_{Aeq} 8 HOUR dB

Saturday 1 st July 2017	Sunday 2 nd July 2017	Monday 3 rd July 2017
27.0	26.8	27.0

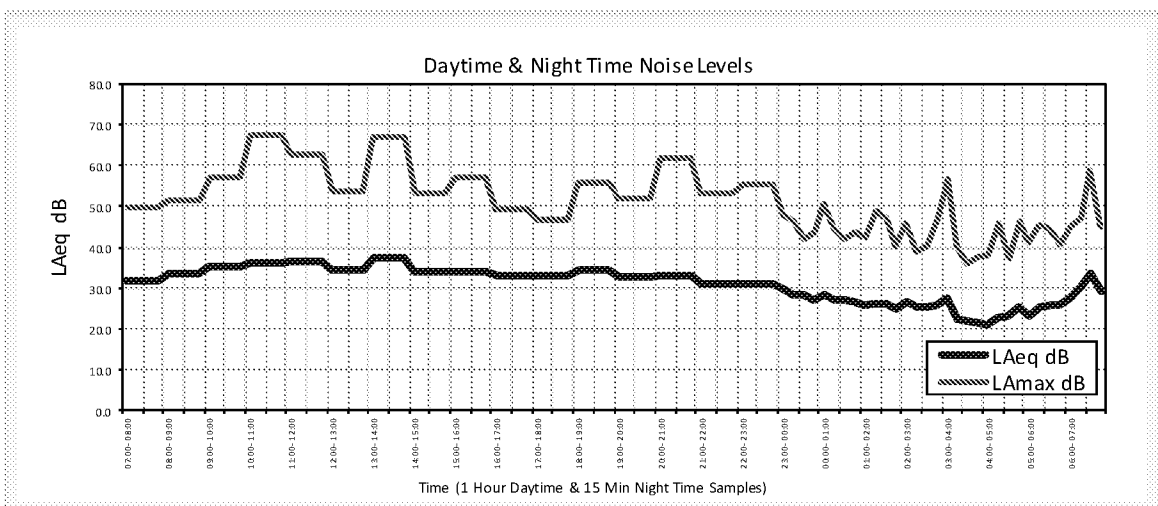
4 RESULTS

4.1 1st – 2nd July 2017

NOISE LEVEL SUMMARY ASSESSMENT			Octave Band Centre Frequency (Hz)									
Date / Time	LAeq	LAmaz	31.5	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Corr. as per 16 HOUR	34.2	60.2	51.4	43.7	36.8	41.1	27.0	28.0	20.4	15.4	10.3	9.7
NIGHTTIME 23:00 - 07:00 LAeq 8 HOUR & Corr. as per 8 HOUR	27.0	48.2	42.0	34.9	31.8	32.6	20.4	21.5	14.1	11.1	10.9	10.7

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES												
Date / Time	LAeq	LAmax	Octave Band Centre Frequency (Hz)									
			31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	31.6	49.6	49.2	41.8	34.1	37.1	25.2	27.1	18.7	12.6	10.0	9.7
08:00 - 09:00	33.5	51.3	51.6	43.4	36.6	39.3	27.0	28.7	19.9	13.5	10.0	9.6
09:00 - 10:00	35.2	57.1	52.2	44.9	37.8	42.1	28.3	29.2	20.1	13.6	10.0	9.6
10:00 - 11:00	36.1	57.4	53.1	45.0	37.3	39.9	28.7	31.0	27.8	24.3	13.2	10.1
11:00 - 12:00	36.6	62.5	52.9	45.0	38.9	44.2	29.5	29.1	20.3	14.6	10.0	9.6
12:00 - 13:00	34.8	53.7	53.0	45.3	37.5	41.4	27.3	28.8	20.8	14.6	10.0	9.6
13:00 - 14:00	37.5	67.1	53.4	44.8	37.1	46.1	28.1	28.2	18.6	12.6	9.9	9.6
14:00 - 15:00	33.8	53.2	52.8	44.9	37.9	40.4	26.8	28.0	18.6	12.5	10.0	9.6
15:00 - 16:00	34.0	57.2	52.1	45.1	36.0	40.5	27.1	27.9	18.7	12.5	9.9	9.7
16:00 - 17:00	33.2	49.5	51.6	44.3	35.8	39.6	26.5	28.0	18.9	12.6	9.9	9.6
17:00 - 18:00	33.0	46.9	51.1	44.1	35.8	39.1	26.3	28.0	18.8	12.6	9.9	9.6
18:00 - 19:00	34.2	56.0	51.5	43.1	38.5	41.2	27.6	27.9	18.8	12.7	10.4	9.6
19:00 - 20:00	32.8	51.8	49.5	42.0	36.8	39.2	25.9	27.2	18.3	12.3	9.9	9.7
20:00 - 21:00	33.3	51.9	47.3	40.3	34.6	41.2	24.7	26.1	17.6	11.8	9.9	9.7
21:00 - 22:00	31.1	53.0	45.1	38.9	35.3	37.3	25.3	25.0	17.1	12.0	9.9	9.7
22:00 - 23:00	30.9	55.2	45.4	38.3	35.0	37.9	24.3	24.2	16.0	11.1	9.9	9.7

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES												
Date / Time	L _{Aeq}	L _{Amax}	Octave Band Centre Frequency (Hz)									
			31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	29.8	48.1	44.7	38.5	29.9	35.0	23.4	25.2	17.1	12.4	10.9	10.7
23:15 - 23:30	28.6	46.5	44.1	37.5	29.9	34.0	22.3	24.0	16.0	11.6	10.9	10.7
23:30 - 23:45	28.2	42.0	44.1	37.3	30.2	33.0	21.9	24.0	16.3	11.8	10.9	10.7
23:45 - 00:00	27.0	43.5	42.2	34.8	28.8	31.9	21.0	22.7	15.2	11.4	10.9	10.7
00:00 - 00:15	28.5	50.6	42.5	36.9	30.5	35.1	21.5	22.8	14.9	11.2	10.9	10.7
00:15 - 00:30	27.1	44.6	42.1	34.7	34.0	31.5	20.3	22.1	14.2	11.0	10.9	10.7
00:30 - 00:45	27.0	42.2	41.1	36.0	29.8	31.9	20.5	22.6	14.6	11.1	10.9	10.6
00:45 - 01:00	28.8	43.6	42.6	34.1	28.9	31.7	20.4	22.1	14.7	11.4	10.9	10.6
01:00 - 01:15	25.8	42.4	40.4	33.6	25.8	30.6	19.5	21.4	14.0	11.0	10.9	10.6
01:15 - 01:30	26.2	48.9	36.2	34.8	32.3	32.8	18.0	18.9	11.7	10.4	10.9	10.7
01:30 - 01:45	26.1	47.3	38.9	32.2	32.9	30.3	19.4	21.1	13.7	10.9	10.9	10.7
01:45 - 02:00	24.9	40.4	38.5	34.0	26.3	30.1	18.7	20.0	12.7	10.7	10.9	10.7
02:00 - 02:15	26.5	45.9	43.2	34.4	27.5	32.7	20.7	20.6	13.3	10.9	10.9	10.7
02:15 - 02:30	25.2	38.6	41.6	35.8	27.4	30.5	18.7	19.8	12.5	10.7	10.9	10.7
02:30 - 02:45	25.3	40.1	41.1	31.3	25.4	29.6	19.2	21.1	13.6	10.9	10.9	10.7
02:45 - 03:00	25.8	46.7	39.7	30.0	30.0	33.2	17.7	18.4	12.1	10.6	10.9	10.7
03:00 - 03:15	27.6	56.7	42.1	32.9	31.8	36.0	18.7	18.3	11.7	10.6	10.9	10.7
03:15 - 03:30	22.4	40.2	34.1	27.5	20.1	26.8	16.4	17.3	11.1	10.3	10.9	10.7
03:30 - 03:45	22.1	35.8	36.9	31.1	22.0	26.1	16.2	16.8	11.2	10.3	10.9	10.7
03:45 - 04:00	21.7	37.7	38.5	29.8	21.1	25.8	16.1	16.1	10.5	10.2	10.9	10.7
04:00 - 04:15	21.2	38.0	38.8	36.8	19.2	24.1	16.5	15.3	10.5	10.3	10.9	10.7
04:15 - 04:30	23.0	45.9	37.5	34.4	24.2	28.9	16.3	15.8	10.9	10.5	10.9	10.7
04:30 - 04:45	23.2	37.3	37.6	29.4	23.2	27.0	17.4	18.5	11.9	10.5	10.9	10.7
04:45 - 05:00	25.4	46.3	38.5	31.6	27.0	31.6	19.8	19.0	12.2	10.6	10.9	10.7
05:00 - 05:15	23.4	41.3	40.3	31.3	22.5	27.4	17.7	18.5	12.7	10.7	10.9	10.7
05:15 - 05:30	25.5	45.4	39.2	34.9	33.2	30.1	18.8	20.0	12.7	10.8	10.9	10.7
05:30 - 05:45	25.6	44.5	42.6	32.4	26.5	30.9	19.2	20.7	12.9	10.8	10.9	10.7
05:45 - 06:00	26.0	40.6	41.3	34.2	26.1	30.5	19.8	21.5	14.5	11.1	10.9	10.7
06:00 - 06:15	27.6	45.1	43.0	36.1	29.9	32.5	21.2	23.2	15.6	11.7	11.0	10.7
06:15 - 06:30	30.2	47.3	45.8	37.5	31.1	35.6	25.2	25.4	17.6	12.9	11.0	10.7
06:30 - 06:45	33.5	56.7	46.0	37.6	43.7	40.1	24.9	24.4	16.6	12.1	11.0	10.7
06:45 - 07:00	29.4	45.1	46.8	37.4	30.2	34.8	22.9	24.9	17.1	12.3	11.0	10.7

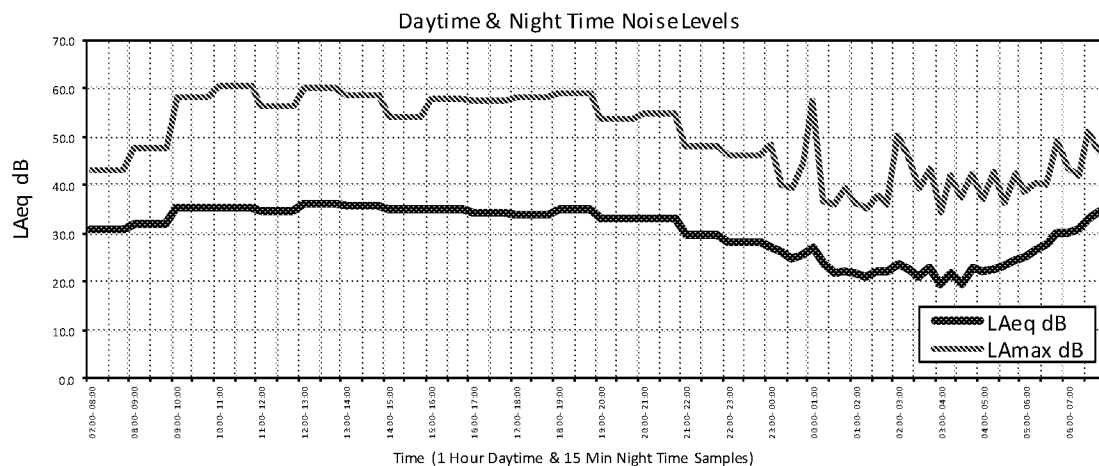


4.2 2nd – 3rd July 2017

NOISE LEVEL SUMMARY ASSESSMENT		Octave Band Centre Frequency (Hz)										
Date / Time	LAeq	LAmaz	31.5	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 LAeq 16 HOUR & Cor responding LAmaz 16 HOUR	34.1	56.8	51.2	43.6	37.3	40.8	27.9	28.1	19.4	13.8	11.0	10.7
NIGHT TIME 23:00 - 07:00 LAeq 8 HOUR & Cor responding LAmaz 8 HOUR	26.8	46.2	42.6	35.5	28.0	32.1	20.4	22.0	14.3	11.2	10.9	10.7

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES		Octave Band Centre Frequency (Hz)										
Date / Time	LAeq	LAmaz	31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	30.7	43.1	48.5	40.9	32.5	36.1	24.5	26.1	18.1	12.8	11.0	10.7
08:00 - 09:00	32.1	47.7	49.4	42.2	33.8	37.6	26.2	27.5	19.2	13.3	10.9	10.6
09:00 - 10:00	35.4	58.3	51.2	43.9	37.0	41.6	30.5	29.3	21.6	17.3	11.1	10.7
10:00 - 11:00	35.3	60.5	53.7	45.0	38.4	41.9	29.1	29.5	20.4	13.9	11.1	10.7
11:00 - 12:00	34.8	56.2	53.3	45.8	36.7	40.9	28.5	29.7	20.5	13.8	10.9	10.7
12:00 - 13:00	36.1	60.2	53.9	45.8	39.6	43.2	29.1	29.5	19.5	13.5	10.9	10.7
13:00 - 14:00	35.9	58.5	53.2	45.7	39.9	43.2	29.6	29.1	19.5	13.7	11.0	10.7
14:00 - 15:00	34.9	54.2	53.5	45.3	38.2	41.8	27.8	28.6	20.1	13.5	10.9	10.7
15:00 - 16:00	35.1	57.9	52.7	44.8	38.4	41.9	29.1	28.9	20.4	15.0	11.0	10.7
16:00 - 17:00	34.5	57.6	51.0	44.0	37.5	41.3	27.6	28.5	19.4	13.9	11.0	10.7
17:00 - 18:00	33.9	58.1	50.6	42.9	37.9	40.6	26.7	27.9	18.8	13.1	10.9	10.7
18:00 - 19:00	35.1	58.9	50.4	43.0	38.0	42.5	29.0	28.1	19.6	13.9	11.1	10.7
19:00 - 20:00	33.1	53.9	48.3	40.6	37.2	39.5	27.6	27.3	18.6	13.1	10.9	10.7
20:00 - 21:00	33.0	55.0	47.0	40.3	37.1	39.8	27.3	26.6	18.1	12.6	10.9	10.7
21:00 - 22:00	29.7	48.2	45.4	39.5	32.5	35.3	23.0	24.8	17.1	12.8	10.9	10.7
22:00 - 23:00	28.2	46.2	44.0	37.0	32.6	33.4	21.6	23.2	15.4	11.5	10.9	10.7

NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES		Octave Band Centre Frequency (Hz)										
Date / Time	LAeq	LAmaz	31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	27.3	48.5	43.4	37.8	27.8	32.3	22.7	22.7	14.7	11.2	10.9	10.7
23:15 - 23:30	26.3	40.2	42.3	36.9	27.6	30.6	19.9	22.0	14.6	11.1	10.9	10.7
23:30 - 23:45	24.9	39.5	39.2	36.7	25.7	29.3	18.6	20.2	13.2	10.9	10.9	10.7
23:45 - 00:00	26.7	44.7	39.8	32.0	25.5	31.4	19.1	20.6	13.5	10.9	10.9	10.7
00:00 - 00:15	27.0	57.6	38.6	31.9	30.2	34.4	18.4	19.0	12.8	10.7	10.9	10.7
00:15 - 00:30	23.8	36.6	37.7	30.4	22.5	27.8	17.8	19.3	12.6	10.6	10.9	10.7
00:30 - 00:45	22.0	35.9	35.9	29.7	20.2	26.0	16.5	16.8	10.5	10.3	10.9	10.7
00:45 - 01:00	22.1	39.3	35.3	29.6	22.2	26.0	16.4	16.6	11.0	10.4	10.9	10.7
01:00 - 01:15	21.7	36.5	36.6	31.1	21.8	26.1	16.1	15.8	10.5	10.3	10.9	10.7
01:15 - 01:30	20.9	35.4	39.5	32.5	19.0	24.9	15.2	14.6	10.0	10.2	10.9	10.7
01:30 - 01:45	22.1	38.0	38.3	29.6	21.6	26.3	16.6	16.5	11.0	10.3	10.9	10.7
01:45 - 02:00	22.3	35.8	34.4	28.3	21.3	26.5	16.2	17.4	10.7	10.3	10.9	10.7
02:00 - 02:15	23.7	50.5	34.8	29.5	23.6	30.7	16.3	15.6	10.7	10.4	10.9	10.7
02:15 - 02:30	22.5	45.8	34.7	31.6	26.6	28.2	16.7	14.1	10.5	10.8	10.9	10.7
02:30 - 02:45	21.1	39.2	38.5	29.1	20.4	24.8	15.2	15.6	10.1	10.2	10.9	10.7
02:45 - 03:00	23.0	43.5	43.2	34.9	25.1	26.6	19.0	17.4	10.9	10.4	10.9	10.7
03:00 - 03:15	19.7	34.5	32.4	28.3	18.0	23.5	13.9	12.2	9.1	10.1	10.9	10.7
03:15 - 03:30	21.8	42.1	38.3	37.7	21.9	25.8	17.0	15.1	9.7	10.2	10.9	10.7
03:30 - 03:45	19.5	37.5	30.0	28.0	18.4	23.1	14.0	11.5	9.1	10.1	10.9	10.7
03:45 - 04:00	22.9	42.5	37.0	28.3	22.5	27.9	16.9	17.4	11.4	10.4	10.9	10.7
04:00 - 04:15	22.2	37.0	39.8	29.0	20.6	26.5	16.0	16.9	10.8	10.3	10.9	10.7
04:15 - 04:30	22.7	42.7	39.9	31.3	22.7	27.1	17.3	17.5	11.2	10.4	10.9	10.7
04:30 - 04:45	23.5	36.5	40.5	35.4	23.6	28.5	17.3	18.1	11.6	10.5	10.9	10.7
04:45 - 05:00	24.6	42.4	43.9	34.9	27.0	30.4	18.0	18.6	12.4	11.0	10.9	10.7
05:00 - 05:15	25.2	38.7	41.1	32.7	24.3	29.6	19.3	20.8	13.4	10.9	10.9	10.7
05:15 - 05:30	26.7	40.7	43.8	34.9	27.0	31.4	20.4	22.6	14.8	11.3	10.9	10.7
05:30 - 05:45	27.8	40.3	44.5	36.4	27.3	32.8	21.2	23.6	15.5	11.6	10.9	10.7
05:45 - 06:00	30.2	49.1	46.3	38.7	31.0	35.7	24.1	25.3	17.7	13.1	11.0	10.7
06:00 - 06:15	30.1	43.4	46.4	38.5	30.5	35.2	23.7	25.9	17.5	12.6	11.0	10.7
06:15 - 06:30	30.8	41.9	46.3	39.0	32.0	35.7	24.2	26.8	18.1	12.6	11.0	10.7
06:30 - 06:45	33.2	51.1	47.9	41.2	35.7	38.8	26.4	28.6	19.8	13.8	11.0	10.7
06:45 - 07:00	34.8	47.1	50.7	42.7	38.7	40.6	28.1	30.3	21.7	15.0	11.1	10.7

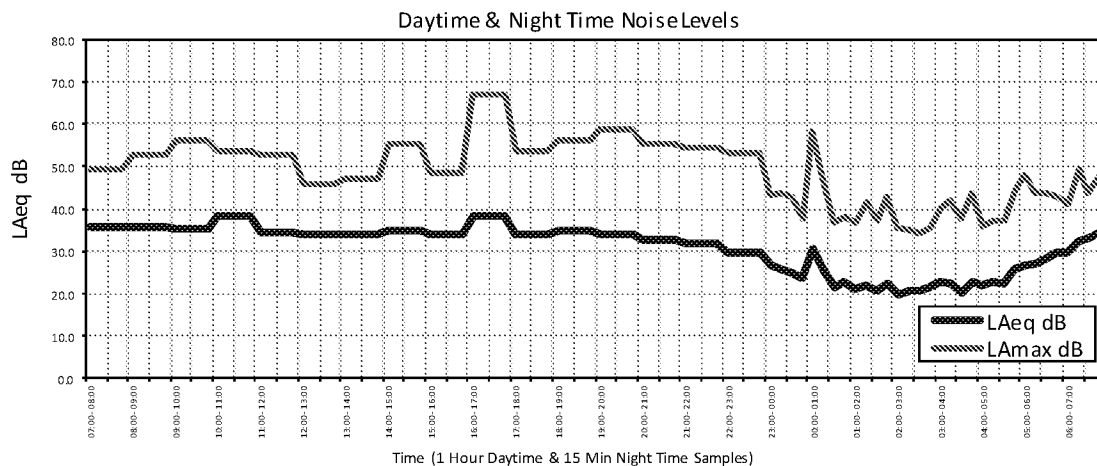


4.3 3rd – 4th July 2017

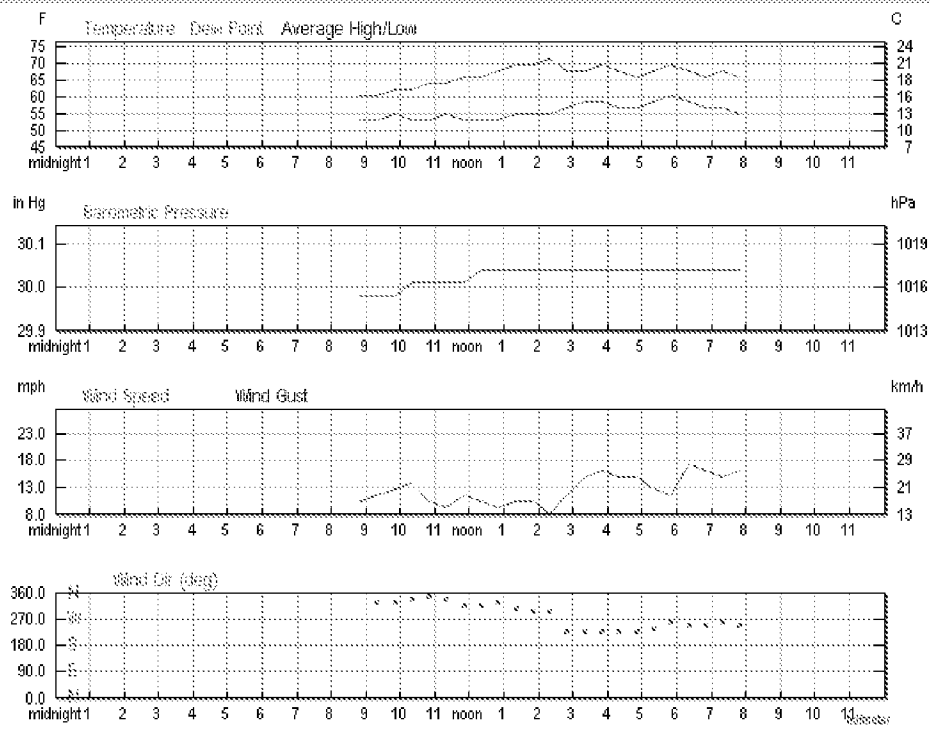
NOISE LEVEL SUMMARY ASSESSMENT		Octave Band Centre Frequency (Hz)										
Date / Time	L _{Aeq}	L _{Amax}	31.5	63	125	250	500	1.0k	2.0k	4.0k	8.0k	16.0k
DAYTIME 07:00 - 23:00 L_{Aeq} 16 HOUR & Cor responding L_{Amax} 16 HOUR	34.9	57.4	54.2	45.5	37.0	41.7	28.3	28.9	20.4	14.6	11.0	10.7
NIGHT TIME 23:00 - 07:00 L_{Aeq} 8 HOUR & Cor responding L_{Amax} 8 HOUR	27.0	46.1	44.0	35.9	28.3	32.4	20.5	22.1	14.4	11.2	10.9	10.7

DAYTIME NOISE LEVELS 07:00 - 23:00 1 HOUR SAMPLES		Octave Band Centre Frequency (Hz)										
Date / Time	L _{Aeq}	L _{Amax}	31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
07:00 - 08:00	35.7	49.1	54.2	45.9	37.7	41.5	29.2	30.9	22.5	15.5	11.0	10.7
08:00 - 09:00	35.6	53.0	55.3	47.5	38.0	41.7	29.2	30.3	21.6	15.2	11.0	10.6
09:00 - 10:00	35.1	56.4	54.4	46.2	37.5	41.4	28.3	29.9	21.6	16.4	11.1	10.6
10:00 - 11:00	38.3	53.5	55.0	46.9	39.6	46.2	31.8	29.7	22.7	17.4	11.3	10.7
11:00 - 12:00	34.4	52.9	55.2	46.0	37.9	41.0	27.9	28.6	19.6	13.7	11.0	10.6
12:00 - 13:00	33.9	45.9	54.7	45.9	36.6	40.3	27.4	28.5	19.3	13.5	11.0	10.7
13:00 - 14:00	34.0	47.0	54.6	46.2	37.2	40.1	27.6	28.6	19.8	13.8	11.0	10.7
14:00 - 15:00	34.7	55.3	55.0	46.0	37.4	40.6	27.9	29.7	20.6	15.5	11.0	10.7
15:00 - 16:00	34.0	48.5	54.8	46.1	37.0	40.1	27.8	28.7	19.8	13.9	11.0	10.7
16:00 - 17:00	38.1	66.8	55.3	46.8	38.1	46.3	29.5	29.3	20.3	14.2	11.0	10.7
17:00 - 18:00	34.0	53.8	57.8	46.5	35.6	40.2	27.4	28.7	20.2	14.8	11.0	10.7
18:00 - 19:00	35.1	56.4	54.3	44.6	36.2	41.2	29.9	29.6	20.4	14.2	11.0	10.7
19:00 - 20:00	33.9	58.8	51.2	43.4	36.5	40.2	27.6	28.5	20.1	14.7	11.0	10.7
20:00 - 21:00	32.7	55.2	48.7	42.6	36.7	38.9	25.7	27.5	16.9	13.1	10.9	10.7
21:00 - 22:00	31.8	54.5	47.8	40.7	33.5	38.3	25.1	26.3	17.8	12.6	10.9	10.7
22:00 - 23:00	29.6	53.3	45.3	38.2	30.5	35.3	23.0	24.7	16.6	12.0	10.9	10.7

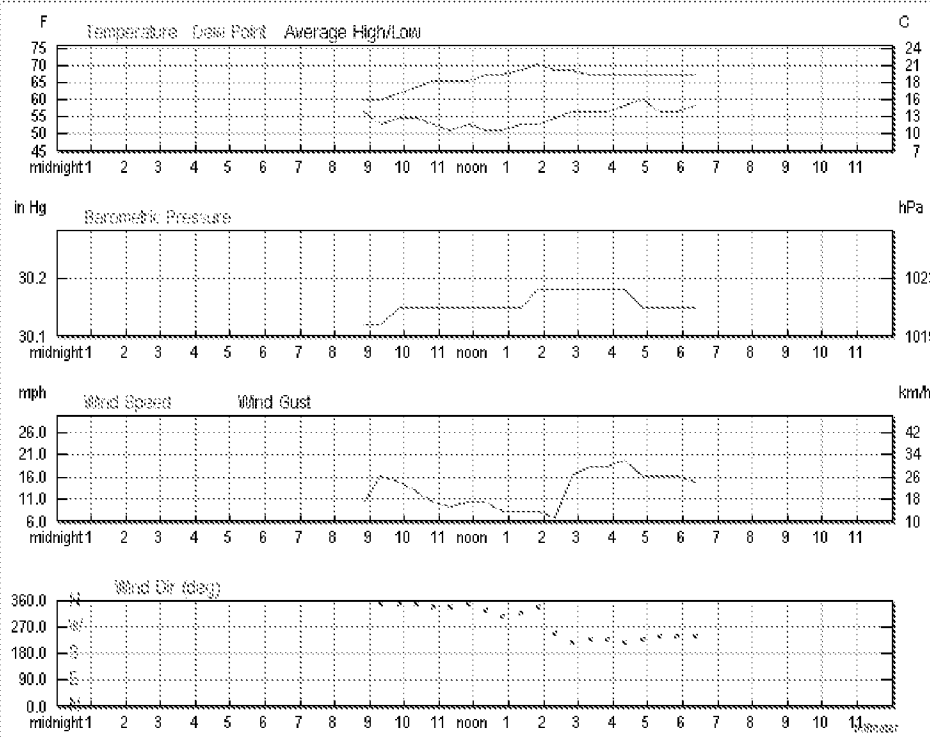
NIGHT TIME NOISE LEVELS 23:00 - 07:00 15 MINUTE SAMPLES		Octave Band Centre Frequency (Hz)										
Date / Time	L _{Aeq}	L _{Amax}	31.5	63	125	250	500	1.0 k	2.0 k	4.0 k	8.0 k	16.0 k
23:00 - 23:15	26.8	43.1	45.3	38.3	28.8	31.6	20.4	22.1	14.5	11.2	10.9	10.7
23:15 - 23:30	25.7	43.7	40.2	36.0	29.5	30.9	19.0	20.2	13.8	11.0	10.9	10.7
23:30 - 23:45	24.9	43.0	40.9	33.0	26.2	29.8	18.8	19.9	13.2	10.8	10.9	10.7
23:45 - 00:00	23.7	37.7	41.5	30.3	21.7	27.5	16.1	19.2	12.6	10.6	10.9	10.7
00:00 - 00:15	30.6	58.4	42.6	32.9	26.0	39.2	20.0	19.3	12.6	11.1	10.9	10.7
00:15 - 00:30	25.3	46.9	36.6	38.3	28.6	30.8	18.0	16.6	13.7	11.8	11.0	10.7
00:30 - 00:45	21.5	37.0	34.5	28.2	21.5	25.4	15.9	15.6	10.6	10.3	10.9	10.7
00:45 - 01:00	23.0	37.9	37.3	30.5	22.8	27.5	17.3	17.6	11.5	10.5	10.9	10.7
01:00 - 01:15	21.2	36.7	37.6	30.0	18.9	25.0	15.5	15.3	10.3	10.2	10.9	10.7
01:15 - 01:30	22.0	41.7	41.7	30.9	20.3	25.9	16.6	16.6	10.8	10.4	10.9	10.7
01:30 - 01:45	20.5	37.2	34.5	24.4	17.4	24.0	15.3	14.2	10.1	10.2	10.9	10.7
01:45 - 02:00	22.2	43.0	40.3	31.3	19.8	24.6	17.6	17.8	10.8	10.3	10.9	10.7
02:00 - 02:15	19.6	35.4	30.6	28.9	18.5	22.9	14.5	12.6	9.0	10.1	10.9	10.7
02:15 - 02:30	20.7	35.3	31.5	27.5	22.9	24.3	15.2	14.3	9.8	10.2	10.9	10.7
02:30 - 02:45	20.7	34.4	33.3	30.1	21.1	25.0	15.1	13.4	9.9	10.2	10.9	10.7
02:45 - 03:00	21.3	35.7	39.1	31.6	23.0	25.0	16.0	14.9	10.1	10.3	10.9	10.7
03:00 - 03:15	22.9	40.3	40.3	30.2	22.8	27.4	17.6	17.6	10.8	10.4	10.9	10.7
03:15 - 03:30	22.3	42.2	37.8	32.1	22.1	26.6	17.7	16.3	10.1	10.3	10.9	10.7
03:30 - 03:45	20.1	37.5	31.9	23.2	17.1	23.9	14.9	13.3	9.6	10.1	10.9	10.7
03:45 - 04:00	22.7	43.8	39.6	31.4	22.1	26.1	18.3	17.6	11.4	10.4	10.9	10.7
04:00 - 04:15	22.0	35.9	36.6	29.8	24.2	26.6	15.7	16.3	10.7	10.3	10.9	10.7
04:15 - 04:30	22.6	37.2	39.6	27.7	21.1	26.9	16.6	17.6	11.1	10.5	10.9	10.7
04:30 - 04:45	22.5	37.1	40.0	29.7	21.2	26.8	16.8	17.0	11.3	10.4	10.9	10.7
04:45 - 05:00	25.9	44.4	43.1	34.5	30.0	31.1	20.0	19.9	13.5	11.2	10.9	10.7
05:00 - 05:15	26.5	48.2	46.4	39.6	28.7	32.2	19.9	21.0	13.7	11.1	10.9	10.7
05:15 - 05:30	27.2	43.5	43.0	35.7	26.8	32.4	20.8	22.8	14.3	11.2	10.9	10.7
05:30 - 05:45	28.6	43.8	47.2	37.0	30.2	33.6	22.2	24.2	16.6	11.9	10.9	10.7
05:45 - 06:00	29.9	43.0	45.6	38.6	31.4	34.8	23.6	25.7	17.6	12.6	11.0	10.7
06:00 - 06:15	29.6	41.1	44.8	38.6	30.3	34.6	23.0	25.6	17.2	12.2	10.9	10.7
06:15 - 06:30	32.3	49.5	46.6	40.9	35.1	38.0	25.8	27.6	19.1	13.1	11.0	10.7
06:30 - 06:45	33.2	43.6	49.1	41.9	34.1	38.2	26.8	29.2	20.5	14.1	11.1	10.7
06:45 - 07:00	34.6	47.6	54.4	43.7	36.5	40.1	27.8	30.3	21.6	14.9	11.0	10.7



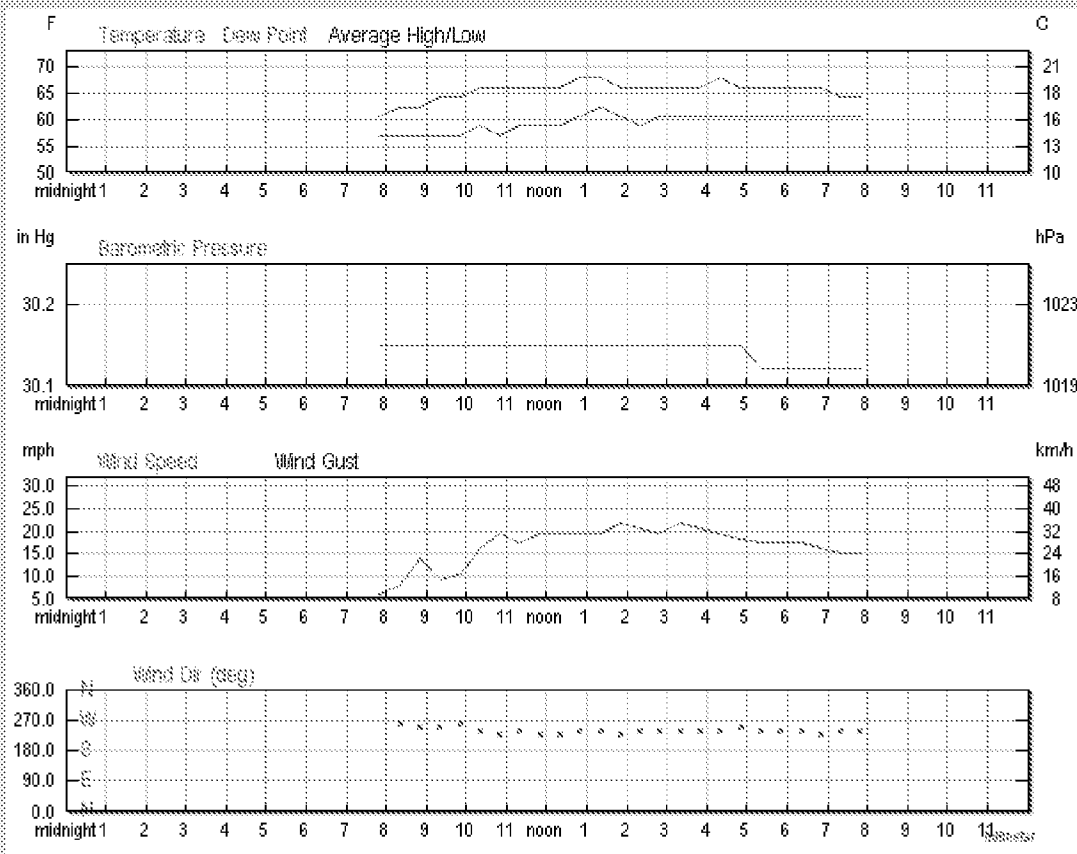
5 ENVIRONMENTAL CONDITIONS



1st July 2017



2nd July 2017



3rd July 2017

#END OF REPORT#