



Appendix 19-PD-2: Baseline Data and Receptor List

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1. Introduction

- 1.1.1 This appendix of the Preliminary Environmental Information (PEI) Report provides baseline noise data for surveys undertaken to date, which were for long-term measurements for elements of Part 1a (shown in **Table 1**) and short-term measurements for elements of Parts 1b and 2 (shown in **Table 2**) of the Proposed Development.
- 1.1.2 Baseline surveys comprised long-term unattended noise monitoring at various locations in and around the Proposed Development. For details of the exact location of the below surveys please see **Figure 19-PD-1** in PEI Report **Volume 3**.
- 1.1.3 All measurements were taken at approximately 1.2 metres (m) above ground level, and in accordance with the requirements of British Standard (BS) 7445:1991 'Description and measurement of environmental noise' (Ref. 1).
- 1.1.4 The calibration levels were checked prior to and following the measurements with a field calibrator. No significant drift was noted.
- 1.1.5 Weather conditions during the attended survey were suitable for acoustic measurement and in line with the weather requirements set out in BS7445 (i.e. low wind speeds and no rain).
- 1.1.6 Weather records were checked for periods of unattended monitoring and seen to also be suitable for acoustic measurement. Any periods of measurement where unsuitable weather conditions were seen to be present have been excluded from subsequent analysis.
- 1.1.7 Due to programme and land access constraints, some surveys could not be completed for the PEI Report. Additional surveys will be completed to supplement the below measurements for the Environmental Statement (ES).

2. Baseline Data

- 2.1.1 **Table 1** presents the baseline noise data for surveys undertaken to date, which were for long-term measurements for elements of Part 1a of the Proposed Development.

Table 1: Baseline Noise Levels (Long-Term) – Part 1a

Monitoring Location ID	Start Date	End Date	Period	dB LAeq, 16hr/8hr	dB LA90, T
1A-1	19/08/2025	26/08/2025	Day	54	49
			Night	51	49
1A-2	19/08/2025	26/08/2025	Day	60	56
			Night	57	52
1A-3	19/08/2025	26/08/2025	Day	63	47
			Night	59	46

2.1.2 **Table 2** presents baseline noise data for surveys undertaken to date, which were for short-term measurements for elements of Parts 1b and 2 of the Proposed Development.

Table 2: Baseline Noise Levels (Short-Term) – Parts 1b and 2

Monitoring Location ID	Start Time	End Time	dB LAeq,T	dB LA90, 15min
1B-1	10:30	11:30	57	45 – 47
1B-2	12:20	13:20	73	44 – 51
1B-3	13:40	14:40	48	38 – 42
1B-4	10:05	11:05	55	33 – 47
1B-6	12:25	13:25	64	35 – 42
1B-7	10:00	11:00	61	48 – 53
1B-8	11:30	12:30	69	42 – 54
2-1	13:00	14:00	62	48 – 52
2-2	09:25	10:25	52	48 – 51
2-3	10:35	11:35	70	66 – 67
2-5	09:20	10:20	55	37 – 42
2-6	10:40	11:40	52	48 – 50
2-7	10:10	11:10	54	47 – 52
2-8	11:50	12:50	57	38 – 44
2-9	11:10	12:10	60	51 – 57
2-10	12:30	13:30	50	38 – 49
3-1	12:05	13:05	54	36 – 43
3-2	13:15	14:15	52	42 – 45
3-3	10:50	11:50	64	52 – 66

Monitoring Location ID	Start Time	End Time	dB LAeq,T	dB LA90, 15min
3-4	12:15	13:15	53	40 – 46
3-5	13:40	14:40	74	44 – 48

[Note: A façade correction of +3dB has been applied to the field-free measurement data to account for the reflective effect of building façades.]

3. References

- Ref. 1 British Standard Institute (BSi) (1991) BS 7445-2:1991 Description and measurement of environmental noise. Guide to the acquisition of data pertinent to land use.