

SLOUGH MULTIFUEL EXTENSION PROJECT

[PINS Ref: EN010129]

Environmental Statement
Volume 3 – Appendix

Appendix 9A – Noise Survey Results

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9.0 NOISE SURVEY RESULTS

9.1 Baseline Monitoring

9.1.1 Noise monitoring was undertaken following guidance from BS 7445-2:1991 ‘Description and measurement of environmental noise - Part 2: Guide to the acquisition of data pertinent to land use’.

9.1.2 Attended measurements (from 9th to 10th February 2022) were undertaken at nine locations that are representative of sensitive receptors that may be adversely affected by noise generated by the Proposed Project. All measurements were undertaken under free-field conditions with the microphone located at least 3m from a reflective surface (other than the ground). All noise measurements include the following parameters: L_{Aeq} , L_{A90} , L_{A10} and L_{AFmax} over contiguous 15-minute samples. Field calibrators were applied to each instrument at the start and end of each measurement and no significant calibration drift was detected (± 0.5 dB).

9.1.3 A map of monitoring locations in proximity to the site boundary can be found in Figure 9.1.

- R1 – Rowan Way, SL2 1EX, (51.525529 -0.621798°).
- R2 – Bodmin Avenue East, SL2 1SL, (51.526562 -0.625238°).
- R3 – Greenside, SL2 1SS, (51.527453 -0.624942°).
- R4 – Bodmin Avenue West, SL2 1SL, (51.526810 -0.628015°).
- R5 – Scaffell Road, SL2 1TZ, (51.527346 -0.632291°).
- R6 – Sandown Road, SL2 1TU, (51.527482 -0.635821°).
- R7 – Montrose Avenue, SL1 4TJ, (51.523950 -0.619333°).
- R8 – Westgate Crescent, SL1 5BY, (51.517937 -0.632850°).
- R9 – Northborough Road, SL2 1SA, (51.529423, -0.627322°).

9.1.4 Daytime noise measurements were undertaken for a period of 30-minutes at each location. The results of daytime noise measurements are presented in Table 9.1.

Table 9.1. Daytime Noise Monitoring Results

Location	Start Time	$L_{Aeq,30min}$ dB	L_{AFmax} dB	$L_{A90,30min}$ dB	$L_{A10,30min}$ dB
R1	11:12	52	65	44	56
	15:17	50	65	47	54
R2	13:10	52	67	49	53
	11:43	53	66	48	55
R3	11:55	51	65	46	53
	15:58	53	69	46	55

<i>Location</i>	<i>Start Time</i>	<i>L_{Aeq,30min} dB</i>	<i>L_{AFmax} dB</i>	<i>L_{A90,30min} dB</i>	<i>L_{A10,30min} dB</i>
R4	13:49	60	76	54	63
	11:28	60	75	53	62
R5	14:30	61	74	48	65
	12:05	60	74	47	64
R6	15:07	50	66	44	54
	12:49	50	70	44	50
R7	10:25	64	81	49	67
	14:35	67	75	55	70
R8	15:53	53	73	41	48
	13:44	53	76	42	53
R9	12:32	51	66	45	53
	16:45	50	73	45	50

9.1.5 Evening noise measurements were undertaken for a period of 15-minutes at each location. The results of evening noise measurements are presented in Table 9.1.

Table 9.2. Evening Noise Monitoring Results

<i>Location</i>	<i>Start Time</i>	<i>L_{Aeq,30min} dB</i>	<i>L_{AFmax} dB</i>	<i>L_{A90,30min} dB</i>	<i>L_{A10,30min} dB</i>
R1	19:28	47	61	39	51
	22:04	51	67	35	56
R2	20:47	46	60	38	49
	19:30	49	65	40	52
R3	19:53	46	59	37	48
	22:46	41	60	36	39
R4	21:09	58	69	46	62
	19:50	56	68	49	63
R5	21:33	59	73	42	64
	20:25	62	76	42	67
R6	21:58	53	68	40	56
	20:45	48	64	40	51
R7	19:05	65	79	48	70
	21:44	60	79	42	56
R8	22:23	52	68	33	44
	21:16	52	68	37	47
R9	20:23	52	62	40	57

	22:28	48	63	35	49
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9.1.6 Night-time noise measurements were undertaken for a period of 10-minutes at each location. The results of night-time noise measurements are presented in Table 9.1.

Table 9.3. Night-time Noise Monitoring Results

<i>Location</i>	<i>Start Time</i>	<i>LAeq,30min dB</i>	<i>LAFmax dB</i>	<i>LA90,30min dB</i>	<i>LA10,30min dB</i>
R1	23:39	36	50	35	37
R2	00:34	38	51	36	39
R3	00:00	37	53	34	37
R4	00:48	54	71	45	58
R5	01:04	52	72	41	45
R6	01:19	39	45	37	39
R7	23:21	56	76	40	50
R8	01:39	38	51	32	41
R9	00:18	43	54	29	49



Figure 9.1 Noise Monitoring Locations