

Appendix F West site records

Audio record analysis for the West site

Table 36 Wind speed and direction corresponding to diary return records, West site

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
1	Yes	No	11/04/2013	1:16	N/A	2.3	167.2	10.3	111.3
2	Yes	No	11/04/2013	5:26	N/A	5.0	94.1	8.3	93.5
3	Yes	No	11/04/2013	17:40	18:30	3.0–3.8	110.6–117.6	7.2–7.7	113.4–116.9
4	Yes	Yes	11/04/2013	21:00	N/A	5.4	125.6	7.3	130.2
5	No	Yes	11/04/2013	21:30	N/A	5.4	126.8	10.0	126.8
6	Yes	No	12/04/2013	1:20	N/A	6.6	100.7	13.9	102.2
7	Yes	No	12/04/2013	5:11	N/A	4.8	76.7	8.7	55.4
8	Yes	No	14/04/2013	21:57	N/A	1.0	178.5	3.6	184.7
9	Yes	Yes	15/04/2013	21:30	N/A	3.0	134.5	6.1	141.3
10	Yes	Yes	16/04/2013	7:00	N/A	2.0	131.2	6.2	111.7
11	Yes	No	16/04/2013	17:45	N/A	1.8	127.6	4.4	108.1
12	Yes	Yes	16/04/2013	21:30	N/A	5.2	112.3	7.6	109.6
13	Yes	No	17/04/2013	7:00	N/A	5.0	91.4	6.0	85.3
14	Yes	Yes	17/04/2013	19:30	N/A	4.6	128.1	9.0	121.4
15	Yes	No	18/04/2013	6:26	N/A	6.6	96.6	9.5	96.9
16	Yes	Yes	18/04/2013	20:00	6:30	3.7–10.4	78.3–121.5	7.1–18.4	86.1–123.7
17	Yes	No	19/04/2013	17:40	N/A	0.7	122.7	8.0	90.1
18	Yes	Yes	19/04/2013	19:00	8:00	2.2–8.5	32.6–76.6	4.7–15.8	46.3–76.5
19	Yes	Yes	20/04/2013	8:00	10:30	2.7–6.4	32.4–64.5	8.9–15.9	44.0–54.0
20	Yes	No	20/04/2013	23:13	N/A	4.1	42.4	10.8	31.4

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
21	Yes	No	21/04/2013	22:49	N/A	3.6	253.4	10.3	256.7
22	Yes	No	22/04/2013	2:26	N/A	3.4	252.5	13.5	251.7
23	Yes	No	23/04/2013	6:28	N/A	2.6	176.8	5.2	201.9
24	Yes	No	23/04/2013	19:20	N/A	0.2	202.0	3.5	254.9
25	Yes	No	26/04/2013	7:15	N/A	0.6	331.3	5.5	286.2
26	Yes	No	29/04/2013	6:26	N/A	1.0	66.2	4.9	323.5
27	Yes	Yes	29/04/2013	20:00	N/A	4.6	108.5	9.4	70.2
28	Yes	No	30/04/2013	6:33	N/A	2.8	97.2	6.1	52.4
29	Yes	No	01/05/2013	5:06	N/A	1.7	206.2	3.4	200.9
30	Yes	No	01/05/2013	6:45	N/A	0.9	187.1	7.2	203.0
31	Yes	Yes	01/05/2013	18:30	10:00	1.0–9.3	75.2–171.1	7.5–17.6	49.9–142.6
32	Yes	No	04/05/2013	11:27	N/A	7.3	114.4	10.4	102.4
33	Yes	No	04/05/2013	18:02	N/A	3.5	109.2	7.2	88.9
34	Yes	Yes	04/05/2013	19:00	7:00	5.1–8.6	83.5–116.1	9.0–14.6	58.8–99.1
35	No	Yes	05/05/2013	09:00	N/A	6.3	88.7	7.6	60.1
36	Yes	No	05/05/2013	19:50	N/A	4.2	94.5	9.8	77.5
37	Yes	No	06/05/2013	1:03	N/A	7.0	81.5	9.9	54.2
38	Yes	No	06/05/2013	5:06	N/A	8.6	80.5	13.8	51.4
39	Yes	No	06/05/2013	17:20	N/A	7.2	77.4	14.2	48.2
40	Yes	No	06/05/2013	18:00	N/A	7.9	81.2	9.1	47.4
41	Yes	No	07/05/2013	12:08	N/A	3.7	310.9	6.8	308
42	Yes	No	07/05/2013	21:48	N/A	3.5	69.9	7.4	38.1
43	Yes	No	08/05/2013	4:06	N/A	1.8	57.8	6.1	356.7
44	No	Yes	08/05/2013	6:30	N/A	1.5	345.3	13	347.2
45	Yes	No	08/05/2013	12:01	N/A	4.1	64.3	8.2	30.6

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
46	Yes	No	08/05/2013	18:25	N/A	4.1	76.0	10.3	52.7
47	Yes	Yes	08/05/2013	19:00	9:00	2.4–5.6	60.8–83.3	4.8–13.5	17.1–56.3
48	Yes	Yes	09/05/2013	21:00	N/A	2.4	55.3	10.2	24.9
49	Yes	No	10/05/2013	1:06	N/A	4.5	75.4	7.6	33.3
50	Yes	No	10/05/2013	5:06	N/A	1.9	31.5	4.6	0.2
51	No	Yes	10/05/2013	21:00	N/A	1.4	34.6	4.5	9.6
52	Yes	No	10/05/2013	21:33	N/A	2.0	61.2	4.3	17
53	Yes	No	11/05/2013	1:08	N/A	2.9	61.3	9.7	18.4
54	Yes	No	15/05/2013	5:26	N/A	4.5	270.0	11.7	255.5
55	No	Yes	15/05/2013	10:00	N/A	2.8	259.4	11.5	245.4
56	No	Yes	16/05/2013	21:00	N/A	1.4	240.9	6.5	222.7
57	Yes	No	19/05/2013	2:26	N/A	0.5	29.6	6.1	326.9
58	No	Yes	19/05/2013	3:00	4:30	0.5–0.9	344.4–29.8	7.7–12.0	304.0–316.2
59	Yes	No	19/05/2013	5:56	N/A	0.7	14.6	12.8	300.1
60	Yes	Yes	20/05/2013	0:30	2:30	4.3–6.3	306.8–316.9	9.6–12.1	289.1–298.5
61	Yes	No	20/05/2013	4:46	N/A	1.6	349.9	9.9	323.0
62	Yes	No	20/05/2013	6:47	N/A	2.6	340.6	16.1	316.7
63	Yes	No	21/05/2013	7:28	N/A	1.2	48.8	6.5	349.8
64	Yes	No	21/05/2013	19:20	N/A	5.0	60.8	16.2	31.1
65	No	Yes	22/05/2013	3:00	4:00	3.5–4.3	90.7–99.9	6.7–8.3	63.9–72.6
66	Yes	No	22/05/2013	5:56	N/A	3.9	88.5	7.6	63
67	Yes	No	23/05/2013	1:54	N/A	5.1	155.8	12.7	128.3
68	Yes	No	23/05/2013	4:56	N/A	4.7	162.0	10.6	137.5
69	Yes	Yes	23/05/2013	6:00	7:30	3.0–4.4	149.2–165.3	10.3–12.9	117.6–130.1

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
70	Yes	No	23/05/2013	10:00	N/A	4.3	182.4	6.1	152.1
71	Yes	No	24/05/2013	0:00	N/A	2.1	184.9	8.0	150.7
72	Yes	No	24/05/2013	3:58	N/A	2.2	199.3	7.5	144.5
73	Yes	No	24/05/2013	5:56	N/A	0.9	166.5	6.7	140.3
74	Yes	No	24/05/2013	8:45	N/A	1.8	194.0	3.3	150.5
75	Yes	No	24/05/2013	10:35	N/A	2.8	197.4	2.9	166.3
76	Yes	No	24/05/2013	12:35	N/A	3.1	187.4	4.8	185.9
77	Yes	No	24/05/2013	18:10	N/A	1.9	201.3	4.3	205.5
78	Yes	No	25/05/2013	17:40	N/A	0.8	225.4	4.5	222.1
79	Yes	No	26/05/2013	5:56	N/A	1.1	178.9	2.5	176.8
80	Yes	No	26/05/2013	8:05	N/A	1.6	191.8	2.8	148.5
81	Yes	No	26/05/2013	17:30	N/A	1.9	140.6	4.8	122.9
82	Yes	No	26/05/2013	19:30	N/A	2.8	127.0	5.9	119.9
83	Yes	Yes	26/05/2013	21:00	22:30	3.3–5.3	125.7–138.4	6.8–10.9	110.4–132.4
84	Yes	No	27/05/2013	1:18	N/A	5.0	106.6	9.1	99
85	Yes	No	27/05/2013	5:56	N/A	4.8	79.3	7.8	55.6
86	Yes	No	27/05/2013	8:45	N/A	4.5	81.3	7.2	56.2
87	Yes	No	27/05/2013	12:45	N/A	4.1	79.5	5.1	46.4
88	Yes	No	27/05/2013	17:40	N/A	3.3	87.5	7.1	60.3
89	No	Yes	27/05/2013	20:30	22:15	1.8–3.1	76.1–106.2	5.8–8.7	51.9–79.3
90	No	Yes	28/05/2013	0:00	7:00	1.1–3.9	38.4–84.3	4.1–9.6	17.9–55.8
91	Yes	No	28/05/2013	17:40	N/A	2.1	70.3	5.7	43.4
92	No	Yes	28/05/2013	23:00	0:00	1.3–2.2	27.2–42.9	4.7–5.1	355.9–13.5
93	Yes	No	30/05/2013	5:56	N/A	1.2	35.7	7.8	326.6

No.	Resident	Neighbours	Date	Start time	End time	Wind			
						Local		Wind turbine generator	
						Speed, m/s	Direction, deg	Speed, m/s	Direction, deg
94	No	Yes	01/06/2013	4:00	6:30	3.1–6.3	306.3–326.1	13.3–17.8	296.6–307.7
95	No	Yes	01/06/2013	20:00	N/A	9.3	196.7	10.6	184.6
96	No	Yes	02/06/2013	20:00	N/A	1.3	181.6	5.9	183.2
97	No	Yes	05/06/2013	6:00	9:00	0.9–4.2	159.1–190.9	2.4–3.8	163.5–190.7
98	No	Yes	12/06/2013	17:30	N/A	5.3	199.8	9.7	193.6
99	No	Yes	14/06/2013	6:00	N/A	2.6	199.0	10.4	191.5
100	No	Yes	14/06/2013	21:00	N/A	1.2	180.7	5.4	178.3

Table 37 Summary of acoustic descriptors and audio record analysis for diary return entries, West site

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
1	24.7	45.3	15.8	0%	31.6	60.3	28.6	29.0	25.9	0%	Negative	Inside – no noise heard Outside – wind noise
2	23.2	44.3	15.2	100%	44.2	69.7	25.5	40.9	36.9	0%	Negative	Inside – no audio recording Outside – high wind noise
3	25.5–40.5	41.1–44.8	13.5–21.6	80%	39.8–67.5	57.9–69.9	2.4–24.0	30.3–40.3	26.1–39.2	0%	Negative	Inside and outside – dog barking
4	23.7	47.3	17.4	0%	47.8	75.7	27.9	42.8	42.3	0%	Negative	Inside – no audio recording Outside – wind noise
5	24.8	50.1	20.0	0%	47.5	75.8	28.3	43.1	42.3	0%	Negative	Inside – no noise heard Outside – high wind noise
6	27.4	52.5	23.0	0%	52.8	77.3	24.5	48.5	45.8	0%	50Hz peak inside	Inside – no noise heard Outside – wind noise
7	22.9	44.6	15.2	100%	45.7	68.9	23.2	43.1	34.9	0%	Negative	Inside – no noise heard Outside – wind noise
8	24.6	44.6	14.1	100%	24.1	46.4	22.4	22.1	14.8	100%	Negative	Inside and outside – no audio recordings
9	22.8	41.6	12.0	100%	31.7	61.7	30.0	28.7	26.2	0%	Negative	Inside and outside – no audio recordings
10	24.6	42.4	13.3	100%	29.6	53.0	3.3	37.0	24.3	0%	Negative	Inside – household noise Outside – wildlife noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
11	23.9	42.7	10.8	100%	34.3	49.5	15.3	23.5	19.5	100%	Negative	Inside – no audio recordings Outside – wind noise
12	27.0	48.5	18.9	100%	47.9	74.2	26.3	41.1	41.4	0%	Negative	Inside – no audio recordings Outside – high wind noise
13	23.6	43.0	13.8	100%	51.5	68.8	17.3	41.8	36.1	0%	Negative	Inside – no noise heard Outside – high wind noise
14	26.1	48.0	17.7	0%	44.4	74.6	30.2	38.2	39.9	0%	Negative	Inside – household noise Outside – high wind noise
15	25.9	50.4	20.5	0%	54.6	77.8	23.2	46.8	47.2	0%	Negative	Inside – Wind noise Outside – high wind noise
16	24.4–37.3	50.4–63.4	20.6–32.4	0%	46.1–68.1	73.8–87.8	19.6–27.5	43.3–60.7	40.7–59.2	0%	50Hz peak inside	Inside – no noise heard Outside – high wind noise
17	26.2	43.0	11.1	100%	32.7	48.9	16.1	26.1	20.7	100%	Negative	Inside – no noise heard Outside – machinery noise
18	22.8–34.0	39.4–60.7	9.3–29.9	10%	29.5–61.9	53.5–83.5	18.8–25.5	25.6–56.8	21.2–53.5	1%	50Hz peak inside	Inside – wind noise Outside – high wind noise
19	24.4–37.5	47.7–60.9	18.1–31.8	7%	46.1– 64.6	64.9–83.0	18.3–22.3	45.1– 59.6	33.2– 52.5	0%	Negative	Inside – wind noise Outside – high wind noise
20	39.6	51.0	24.3	0%	47.3	71.1	23.8	43.5	38.9	0%	Negative	Inside – no noise heard Outside – wind noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
21	22.6	38.8	9.1	100%	45.1	69.1	24.0	37.4	43.2	0%	100Hz peak outside	Inside – no noise heard Outside – wind noise
22	23.2	42.3	12.7	100%	49.9	72.9	23.0	42.9	47.8	0%	Negative	Inside – no noise heard Outside – high wind noise
23	25.1	44.2	13.0	100%	44.8	56.3	11.6	32.9	25.6	0%	Negative	Inside – no noise heard Outside – wildlife noise
24	26.1	44.5	14.4	100%	23.2	39.2	16.0	21.5	12.4	100%	Negative	Inside – household noise Outside – dog barking
25	24.1	39.7	12.3	100%	51.9	51.6	-0.3	34.5	19.2	100%	Negative	Inside – no audio recordings Outside – wildlife noise
26	24.2	33.7	7.0	100%	39.7	42.7	3.0	27.1	17.7	100%	Negative	Inside – no noise heard Outside – wildlife noise
27	24.3	47.1	17.4	100%	46.5	71.7	25.3	40.0	40.4	0%	Negative	Inside – no audio recordings Outside – wind noise
28	25.1	43.7	14.4	100%	54.2	58.3	4.1	31.8	26.5	0%	Negative	Inside – no audio recordings Outside – wind, wildlife noise
29	20.8	33.9	2.7	100%	29.4	58.3	28.9	21.8	26.4	0%	Negative	Inside and outside – no audio recordings

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
30	26.1	42.8	13.4	100%	57.8	56.8	-0.8	42.0	17.7	100%	Negative	Inside – no audio recordings Outside – wildlife noise
31	23.8–41.8	36.7–66.6	8.1–36.9	10%	27.7–70.3	51.9–87.9	16.2–31.1	26.7–65.8	22.1–58.8	2%	50Hz peak inside	Inside – no noise heard Outside – wind noise
32	31.1	56.7	26.0	0%	59.7	82.3	22.6	50.4	53.2	0%	Negative	Inside – wind noise Outside – High wind noise
33	29.4	46.7	16.7	100%	41.1	64.6	23.5	32.8	31.5	0%	Negative	Inside and outside – wind noise
34	28.7–36.8	53.1–60.7	23.4–31.4	0%	49.0–64.0	74.0–85.0	21.0–25.0	43.0–57.8	42.1–55.9	0%	Negative	Inside – no noise heard Outside – high wind noise
35	29.9	55.2	25.4	0%	55.6	78.3	22.7	50.5	47.4	0%	Negative	Inside – wind noise Outside – high wind noise
36	26.6	49.6	19.7	0%	47.4	71.2	23.8	41.2	38.4	0%	Negative	Inside – no audio recordings Outside – wind noise
37	28.3	52.8	23.6	0%	55.0	78.1	23.1	48.8	48.1	0%	Negative	Inside – no noise heard Outside – high wind noise
38	32.6	57.0	27.8	0%	60.6	81.9	21.3	55.2	52.7	0%	Negative	Inside – wind noise Outside – high wind noise
39	30.1	52.1	22.9	0%	54.2	76.3	22.0	49.4	46.1	0%	Negative	Inside – wind noise Outside – high wind noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
40	32.2	54.8	26.4	0%	58.8	80.2	21.5	53.1	50.8	0%	Negative	Inside – wind noise Outside – high wind noise
41	22.6	38.4	11.6	100%	42.7	67.4	24.7	33.8	35.9	0%	Negative	Inside –household noise Outside – wind Noise
42	32.1	38.0	5.9	100%	33.7	54.5	20.8	31.5	23.4	100%	Negative	Inside and outside – no audio recordings
43	21.0	37.6	6.4	100%	32.6	46.7	14.1	30.1	18.6	100%	Negative	Inside and outside – no audio recordings
44	26.1	43.0	14.2	100%	38.5	50.4	11.8	28.3	20.8	0%	Negative	Inside –household noise Outside – flyover noise, wildlife noise
45	40.2	51.8	30.3	0%	59.8	70.7	10.9	40.7	48.6	0%	Negative	Inside – household noise Outside – wind noise
46	23.7	44.5	15.0	100%	38.5	61.2	22.7	35.1	29.9	0%	Negative	Inside – household noise Outside – no audio recordings
47	23.2–34.4	40.0–47.6	10.5–18.6	60%	30.9–53.3	52.5–68.8	15.5–24.2	29.0–47.4	22.5–37.4	0%	50Hz peak inside	Inside – no noise heard Outside – wind noise
48	28.7	42.5	14.2	100%	42.9	54.3	11.4	39.2	26.9	0%	Negative	Inside – no audio recording Outside – truck noise
49	29.2	40.5	11.8	100%	40.5	63.7	23.2	37.0	32.1	0%	Negative	Inside and outside – no noise heard

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
50	24.3	42.8	13.4	100%	37.4	51.2	13.8	32.2	22.7	0%	Negative	Inside – no noise heard Outside – wind noise
51	22.7	38.2	8.8	100%	29.7	45.0	15.3	26.9	16.5	100%	Negative	Inside and outside – no audio recordings
52	23.7	42.5	13.6	100%	35.5	49.5	13.9	29.5	21.0	100%	Negative	Inside and outside – no audio recordings
53	23.4	45.2	14.8	100%	43.3	58.8	15.5	39.4	29.1	0%	Negative	Inside – no noise heard Outside – wind noise
54	23.0	38.8	10.4	100%	46.7	71.1	24.4	39.3	45.6	0%	Negative	Inside and outside – No noise heard
55	29.6	47.0	17.7	100%	51.7	74.6	22.9	43.5	49.9	0%	Negative	Inside and outside – No noise heard
56	27.4	38.4	13.0	100%	32.8	51.8	19.1	21.8	25.7	0%	Negative	Inside –household noise Outside – no audio recordings
57	23.0	38.4	8.3	100%	32.7	41.7	9.0	21.4	9.4	100%	Negative	Inside and outside – dog barking
58	20.7–24.6	32.1–38.1	2.4–9.4	100%	21.8–24.4	42.6–47.6	20.9–24.6	21.0–22.6	9.0–17.8	60%	Negative	Inside and outside – no audio recordings
59	22.3	40.8	12.8	100%	25.3	49.2	23.9	23.2	19.7	0%	Negative	Inside –household noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
60	28.4–39.6	46.7–52.5	18.2–27.0	62%	51.6–56.8	74.5–81.4	22.6–25.5	46.0–51.0	43.7–51.4	0%	Negative	Inside and outside – no audio recordings
61	20.8	34.6	4.0	100%	28.7	47.3	18.6	27.4	16.1	100%	Negative	Inside – household noise Outside – wind noise
62	24.4	41.7	12.3	100%	49.5	56.7	7.2	35.6	26.2	0%	Negative	Inside – no audio recordings Outside – wind, rain, wildlife noise
63	23.3	36.5	6.9	100%	44.3	46.1	1.8	29.9	16.3	100%	Negative	Inside – no audio recordings Outside – wildlife noise
64	29.8	50.5	21.5	0%	57.7	72.3	14.6	51.8	43.2	0%	Negative	Inside – no noise heard Outside – wind noise
65	23.5–26.6	42.7–48.2	13.3–18.1	100%	40.6–46.9	65.0–71.7	23.9–24.8	36.4–41.7	33.5–42.5	0%	Negative	Inside – no noise heard Outside – wind noise
66	24.4	44.6	15.4	100%	44.5	69.0	24.5	38.6	40.1	0%	Negative	Inside – no noise heard Outside – wind noise
67	28.3	52.1	22.5	0%	55.6	68.2	27.7	49.7	51.2	0%	50Hz peak inside	Inside – slight rumbling at very high amplification. Possible wind turbine generator noise. Outside – wind noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
68	27.8	51.6	22.0	0%	54.8	83.0	28.2	48.3	50.4	0%	50Hz peak inside	Inside – slight rumbling at very high amplification. Possible wind turbine generator noise. Outside – high wind noise
69	27.9–29.2	51.5–54.4	21.5–24.9	0%	48.1–55.1	70.6–79.6	15.5–29.1	40.5–45.4	37.4–47.7	0%	50Hz peak inside	Inside – slight rumbling/modulation at high amplification. Possible wind turbine generator noise. Outside – high wind noise
70	27.3	45.2	16.1	100%	52.7	77.4	24.7	43.0	41.4	0%	Negative	Inside – household noise Outside – wind noise
71	22.7	42.7	12.5	100%	28.7	54.6	25.8	27.8	23.3	0%	Negative	Inside – no noise heard Outside – no audio recordings
72	22.3	39.2	8.6	100%	26.5	50.9	24.4	25.7	20.4	100%	Negative	Inside – slight modulation at high amplification. Possible wind turbine generator noise. Outside – no audio recordings
73	23.0	42.5	11.1	100%	25.5	49.8	24.3	24.3	19.5	100%	Negative	Inside – slight modulation at high amplification. Possible wind turbine generator noise. Outside – wildlife noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
74	25.4	44.4	14.0	100%	46.1	53.5	7.3	31.2	22.2	100%	Negative	Inside – household noise Outside – wildlife noise
75	24.4	40.8	9.8	100%	47.6	61.8	14.2	34.4	25.5	0%	Negative	Inside – household noise Outside – wildlife noise
76	40.9	52.8	27.6	0%	43.6	68.7	25.0	32.6	31.6	0%	Negative	Inside – household noise Outside – wildlife, wind noise
77	30.0	46.7	17.3	100%	26.7	48.1	21.3	24.2	17.5	100%	Negative	Inside – household noise Outside – no audio recordings
78	32.4	50.5	29.8	0%	49.4	62.9	13.5	33.8	43.5	0%	63Hz peak Outside	Inside – mechanical noise. Outside – mechanical noise, sounds like a motor
79	20.8	28.2	-0.6	100%	36.4	38.1	1.7	20.8	4.5	100%	Negative	Inside – household noise Outside – wildlife noise
80	24.1	35.7	6.2	100%	47.8	49.2	1.4	34.1	15.1	100%	Negative	Inside – grinding sound Outside – wildlife noise
81	24.1	43.8	13.3	100%	37.8	57.8	20.0	25.9	24.2	0%	Negative	Inside – household noise Outside – wildlife noise
82	27.6	39.9	10.1	100%	34.8	61.8	26.9	29.8	28.5	0%	Negative	Inside – household noise Outside – no audio recordings

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
83	23.7–27.5	47.0–50.2	17.0–20.1	44%	44.9–54.5	72.3–79.2	24.6–27.4	40.4–50.4	39.1–48.2	0%	Negative	Inside – household noise Outside – wind noise
84	24.7	49.7	19.3	0%	46.5	71.9	25.4	43.1	38.9	0%	50Hz peak inside	Inside – slight modulation heard at high amplification. Possible wind turbine generator noise. Outside – wind noise
85	22.3	44.3	14.4	100%	42.9	68.4	25.4	38.4	36.3	0%	Negative	Inside – no noise heard Outside – wind noise
86	52.8	56.9	29.0	0%	47.3	59.8	22.6	37.8	37.8	0%	Negative	Inside – household noise Outside – wind noise
87	27.5	44.7	15.3	100%	53.1	65.7	12.6	36.6	33.2	0%	Negative	Inside – household noise Outside – wildlife, wind noise
88	27.4	43.2	13.0	100%	43.1	64.1	21.0	34.9	30.6	0%	Negative	Inside – household noise Outside – wildlife, wind noise
89	21.1–28.1	41.3–47.0	8.0–17.1	100%	26.2–37.1	48.2–62.1	17.4–25.7	24.6–31.5	18.5–24.6	73%	Negative	Inside – household noise Outside – flyover noise?
90	20.8–24.0	36.3–44.4	4.3–13.6	100%	27.6–46.2	46.3–63.5	2.0–25.6	26.0–35.9	17.1–31.2	71%	Negative	Inside – no noise heard Outside – wind noise
91	N/A	N/A	N/A	N/A	35.2	47.2	11.9	24.0	17.7	100%	Negative	Outside – wildlife noise
92	N/A	N/A	N/A	N/A	30.4–37.4	49.3–51.9	14.5–19.9	27.7–31.0	20.2–23.0	0%	Negative	Outside – wind noise

No.	Inside				Outside						Spectrum shape	Audio records (inside/outside where available)
	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{pA,LF} dB(A)	DEFRA	L _{Aeq} dB(A)	L _{Ceq} dB(C)	L _{Ceq} - L _{Aeq}	L _{AF,90}	L _{pA,LF} dB(A)	DEFRA		
93	N/A	N/A	N/A	N/A	35.9	42.4	6.5	24.7	14.5	100%	Negative	Outside – rain
94	N/A	N/A	N/A	N/A	47.9–60.7	67.1–82.7	18.7–22.5	43.7–54.4	38.1–56.5	0%	Negative	Outside – mostly high wind noise
95	N/A	N/A	N/A	N/A	64.0	90.8	26.8	58.6	59.2	0%	Negative	Outside – very high wind noise
96	N/A	N/A	N/A	N/A	25.4	48.5	23.1	24.4	20.8	100%	Negative	Outside – no audio recordings
97	N/A	N/A	N/A	N/A	31.8–50.4	47.8–63.0	1.0–31.2	23.6–39.2	15.5–26.3	61%	Negative	Outside – wildlife, wind noise
98	N/A	N/A	N/A	N/A	48.0	75.8	27.9	43.9	40.7	0%	Negative	Outside – wind noise
99	N/A	N/A	N/A	N/A	32.0	60.1	28.1	30.2	27.7	0%	Negative	Outside – wind noise
100	N/A	N/A	N/A	N/A	26.4	51.4	24.9	25.4	23.4	0%	Negative	Outside – no audio recordings